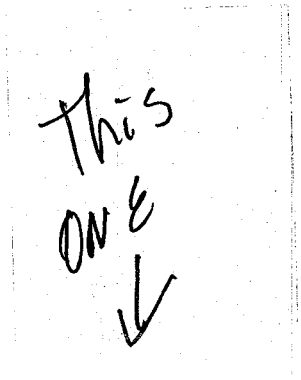
REDACTED VERSION

Highway Transport (Highway Transport - LaPorte)
Tank Cleaning

[redacted] DC assigned

EPAHO08801963

9543007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one

Customer Special Requests/Requirements

P.O. Required:	☐ Y	☐ N	Fuel Surcharge:	☐ Y	☐ N
4% City of Houston Fee:	☐ Y	☐ N	4-hr Minimum:	☐ Y	☐ N

Job Estimate

Item	CES Cost	Customer Charge
CREDIT MEMO - NO PARTIAL Billing	+44.60	-2282.12
INV# 52335		
	(2237.52)	

K. Billed again 1-26-09

Customer Special Requests/Requirements

P.O. Required:	☐ Y	☐ N	Fuel Surcharge:	☐ Y	☐ N
4% City of Houston Fee:	☐ Y	☐ N	4-hr Minimum:	☐ Y	☐ N

J

Job Estimate

	Item		CES Cost	Customer Charge	
6-20-07	Deliver Box 610	3.25 hr		224.25 T	(69.)
		20% FSC		44.85	
	Air Machine w/Oper	5.75		603.75	
		20% FSC		120.75	
	FS Utility Truck 103 w/ Equip.			100.00	
		20% FSC		20.00	
	HAZWOper Tech: 2 men	11.5		368.00	
	SSA: PPE 3 man			75.00 T	
	Flex Hose 100 ft			200.00 T	
	Confined Space			300.00	
	Pressure Washer			100.00	
6-21	TRANS to disposal	7 HR		483.00	(69.)
		20% FSC		96.60	
	Washout 610			275.00	
	Box Rental 6/20 - 6/21	2 days		100.00 T	
		Sales Tax 7.75%		46.44	
				3157.64	
11/26	Box delivery #276176 (R4R)	1.5 HR	94.84	103.50 T	
		FSC		27.95	
	Air Machine w/Oper #105	5.25		603.75	
		27% FSC		163.01	
	FS Utily w/Oper #107			100.00	
		27% FSC		27.00	
	Tech : 2	10.5		336.00	
	PPE : 3			90.00 T	
	Flex Hose 100ft			200.00 T	
	Confined Space			300.00	
	Pressure Washer			100.00	FSC 27.00
11/28	Trans to disposal	4.25		293.25	
		27% FSC		79.18	
	WASHout 276176			275.00	
12-1	Box Return	1.5		103.50 T	
		18% FSC		18.63	
	Box Rental 276176 11-26/12-1/08	6 days	194.85	300.00 T	
		Sales Tax	63.76	63.76	
		14% Compliance	32.12	32.12	
	Invoice 53607		385.57	3243.65	
			2858.08		

Customer Special Requests/Requirements
SALES TAX 7.75%

5%

P.O. Required:	☐ Y	☐ N		Fuel Surcharge:	☐ Y	☐ N	
4% City of Houston Fee:	☐ Y	☐ N		4-hr Minimum:	☐ Y	☐ N	

Job Estimate

	Item	CES Cost	Customer Charge
3-9-06	Deliver Box 618 1.75 HR		117.25 T
	14% Fuel		16.41
	Air Machine w/oper #104 5.5 HR		577.50
	14% Fuel		80.85
	HAZWOPER TECH 5.5 HR EA		352.00
	SGA-Supplies - PPE 3 men		75.00 T
	SGA-Supplies - 6" Flex Hose 100 FT		200.00 T
	Confined Space		300.00
3-13	TRANS-288 to BFI 4.5 HR		301.50
	14% Fuel		42.21
	WASHOUT Box 618		275.00
	Box Rental 618 3-9/3-13 5 days		250.00 T
	EB-5% - 131.87 SALES TAX 7.75%		49.77
			2637.49
4-28	Deliver Box 607 1.5 hr		100.50 T
	14% Fuel		14.07
	Air Machine w/Operator #104 5.5 hr		577.50
	14% Fuel		80.85
	HAZWOPER Tech - 2 11 HR		352.00
	PPE - 3 men		75.00 T
	Flex Hose 6" 100 FT		200.00 T
	Confined Space		300.00
5-1	TRANS - 281 to disposal 4.75 hr		318.25
	14% Fuel		44.56
	WASHOUT #607		275.00
	Box Rental 4-28/5-1 4 days		200.00 T
	Sales Tax 7.75%		44.60
			2582.33

CES Environmental Services, Inc.
Profit/Loss Sheet

Billing Information:

Name: HIGHWAY TRANSPORT
Contact: BARRY HALL
Address: 520 S. 16TH ST
LA PORTE, TX
77571
Phone:
Fax:

Salesperson: ERICA BROWN

Job Contact:
Phone:
Fax:

A/P Contact:
Phone:
Fax:

P.O. Required:	Y	N	Fuel Surcharge:	Y	N
4% City of Houston Fee:	Y	N	4-hr Minimum:	Y	N

Job Estimate

Item	Vendor	CES Cost	Customer Charge
LARGE AIR MACHINE			115.00/HR
DEL/RETURN OF VACUUM			69.00/HR
BOX RENTAL			50.00/DAY
HAZ TECH			32.00/HR
CONFINED SPACE			300.00/DAY
PPE			30/DAY/MAN
HOSE			2.00/FOOT
TRANS			69.00/HR
AIR MACHINE & BOX			295.00/BOX

Customer Special Requests/Requirements

UPDATE FOLDERS IMMEDIATELY WITH ANY CHANGES

Confidential

HIGHWAY TRANSPORT INC.
Logistics

RECEIVED
MAY 1 2 2008
BY:

P.O. Box 50068 / 1500 Amherst Rd.
Knoxville, TN 37950-0068
TEL: (865) 584-8631
http://www.hytt.com

To: Suppliers
Re: Diversification of Highway Transport, Inc.

This letter is to serve as written notification to suppliers that Highway Transport, Inc. will officially change its business structure and business mission throughout 2008. Highway Transport, Inc's ownership will form a full service logistics company, and it will create two new motor carriers, Highway Transport Chemical, LLC and Highway Transport Petroleum, LLC, to serve the markets formerly served by Highway Transport's operations. Highway Transport Chemical, LLC will be the core carrier used by the full service logistics company. Highway Transport Petroleum, LLC will operate with its own logistics, administrative and sales staff.

The two new motor carriers will have their own leadership. Gary Reagan will be president of Highway Transport Chemical, LLC. John Wilson will be president of Highway Transport Petroleum, LLC. Gary Reagan and John Wilson have each played pivotal roles in our success and have grown in influence on both strategy and operations. These new roles empower Gary and John to continue driving their respective businesses forward at an accelerated pace.

Highway Transport, Inc. will no longer be a for-hire motor carrier. Instead, Highway Transport, Inc will act as an equipment leasing company serving the needs of affiliates and expanding to serve third party opportunities.

Soon, you can expect to receive the following items that you may need for our business relationship moving forward:

- new legal company name, address and phone
- date of incorporation
- ICC number
- DOT number
- D&B number
- federal EIN number
- a letter stating any changes in our "Remit-To" address or accounting process
- credit references

NOTE: *For suppliers to our current chemical operations, these numbers will remain unchanged.*

In the coming months, we will be in contact with you to determine what issues need to be addressed to either establish supply arrangements for the two new motor carriers or alter the supply arrangements currently in place with Highway Transport.

Personally, I want to thank you for your commitment to Highway Transport, Inc. Through the years, our guiding principles have been rooted in our family-oriented philosophy. We appreciate your services and fully understand your vital role in the growth and success of our business.

Best regards,

Greg Watkins, chief operations officer
Highway Transport Logistics, Inc.

1948 · 2008

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
1/26/2009	53607

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	11/26/08			
1.5	Deliver Vacuum Box #276176 @ $69.00 per hour		69.00	103.50T
	27% Fuel Surcharge		27.95	27.95
5.25	Transportation services by CES Air Machine w/Operator @ $115.00 per hour		115.00	603.75
	27% Fuel Surcharge		163.01	163.01
1	Field Service Utility truck @ $100.00 per day		100.00	100.00
	27% Fuel Surcharge		27.00	27.00
10.5	Hazwoper Field Technician @ $32.00 per hour (5.25 hrs. ea)		32.00	336.00
3	Job Materials: PPE 3 men @ $30.00 per man / per day		30.00	90.00T
100	Job Materials: Flex Hose @ $2.00 per ft		2.00	200.00T
	Confined space entry kit		300.00	300.00
	Equipment use: Pressure washer @ $100.00 per day		100.00	100.00
	27% Fuel Surcharge		27.00	27.00

We appreciate your business!

Subtotal	
Sales Tax (8.0%)	
Total	

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

EPAHO088001970

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
1/26/2009	53607

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
4.25	Transportation services by CES to disposal site @ $69.00 per hour		69.00	293.25
	27% Fuel Surcharge		79.18	79.18
	Washout Vacuum box #276176		275.00	275.00
	12/1/08			
1.5	Return Vacuum Box #276176 (off rent) @ $69.00 per hour		69.00	103.50T
	18% Fuel Surcharge		18.63	18.63
6	Rental of Vacuum Box #276176 from 11/26 - 12/1/08 @ $50.00 per day		50.00	300.00T
	1% Compliance Fee		32.12	32.12
	CES Job#76477,76476,76743			

We appreciate your business!

Subtotal	$3,179.89
Sales Tax (8.0%)	$63.76
Total	$3,243.65

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

EPAHO088001971

CES Environmental Services, Inc.

4434 Griggs Road
Houston, TX 77021
Tel: (713) 678-1160
Fax: (713) 678-1676

Transportation Work Ticket

Profile ID : Highway Transport (Highway Transport-La Porte)
Yard Cleaning

Date : 11/20/2000 Manifest # :

Highway Transport

Client : Ticket : 75477

Phone : 2814708333 Consignee :

CES Environmental Services, Inc.

Transporter :

Signature x Barry Hall Signature

Leave CES Yard :	12:45	Arrive At Destination :	
Arrive At Customer :	1:45 pm	Begin Unloading :	
Begin Loading :	1:50 pm	Finish Unloading :	
Finish Loading :	5:30 pm	Leave Destination :	
Leave Customer :	6:00 pm	Arrive At CES Yard :	

Customer PO #:

Total Hours: 5.75

CES Unload.

Gross Weight :		Ending Odometer :	
Tare Weight :		Beginning Odometer :	
Net Weight :		Total Miles :	

Driver : Hernandez, Joe Tractor #: 105 Tote # :

Signature : J. Hernandez Trailer # : Box # : RFR 276176

Job Comments/Equipment: REMOVED SOLIDS FROM 2 TANKS AS DIRECTED FROM CUSTOMER. EQUIPMENT USED: 1 SEL 6" FLEX HOSE, 1 PRESSURE WASHER, VAC-TRUCK 105. VACUMED SOLIDS INTO RFR BOX #276176.

HERNANDEZ - LOADING

RAMIREZ

GIPSON

White (CES Office) Yellow (CES Office / Billing) Pink (CES ...) ...Golden Rod (Customer)

EPAHO088001972

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1678

Transportation Work Ticket

Folder ID : Highway Transport (Highway Transport-La Porte) Tank Cleaning

Date : 11/26/2009

Manifest # :

Client : Highway Transport

Ticket : 76475

Phone : 2[illegible]4708333

Consignee :

Transporter : CES Environmental Services, Inc.

Signature Jack G

Signature R Barry Hall

Leave CES Yard :	8:00am	Arrive At Destination	
Arrive At Customer :	8:00pm	Begin Unloading :	
Begin Loading :		Finish Unloading :	
Finish Loading :		Leave Destination :	~~6:00pm~~
Leave Customer :	6:00pm	Arrive At CES Yard :	

Customer PO #:

Total Hours: 10

CES Unload: ☐

Gross Weight :		Ending Odometer :	
Tare Weight :		Begining Odometer :	
Net Weight :		Total Miles :	

Driver : Gleason, Jack

Tractor # : 407

Tote # :

Signature : Jack G

Trailer # :

Box # :

Job Comments/Equipment : Clean 2 Sludge TANKS

White (CES Office) Yellow (CES Office / Eiling) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088001973

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Highway Transport (Highway Transport-La Porte) Tank Cleaning

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
CES Contact : () -

Driver : Gipson, Jack
Helper :
Date : 11/26/2008 Time : 3rd
Truck # 107 Trailer #

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

vac box will be delivered by rain for rent prior to your arrival

Take the following:
100 ft 6 inch. flex house
confined space entry kit

1) Remove sludge from wastewater tank as directed by Barry Hall or Floyd

2) fill box with sludge, leave on site

3) will pick box up for disposal on Friday

ID #: 76476

CUSTOMER INFORMATION

OPERATION HOURS:
Open :
Close:

SHIPPING/RECEIVING CONTACT:
Name:
Number:

AFTER HOURS CONTACT:
Name:
Number:

RECEIVING INFORMATION

OPERATION HOURS:
Open :
Close:

SHIPPING/RECEIVING CONTACT:
Name:
Number:

AFTER HOURS CONTACT:
Name:
Number:

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

Box # 276176
Nov 6 '07

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXD980872857	2. Page 1 of 1	3. Emergency Response Phone (281) 470-8333	4. Manifest Tracking Number 004254927 JJK

GENERATOR

5. Generator's Name and Mailing Address
Highway Transport State ID: 34376
Generator's Phone: (281) 470-8333

Generator's Site Address (if different than mailing address)
Highway Transport
520 South 16th Street
LaPorte, TX 77571
(281) 470-8333

6. Transporter 1 Company Name: CES Environmental Services, Inc. State ID 30900 | U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address: Gulf Coast Recycling State ID 39039
2601 Jenkins Rd
Anahuac TX, 77514
Facility's Phone: (409) 267-6666 | U.S. EPA ID Number: N/A

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non DOT regulated waste sludge	1	CM	12	Y	00074091
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID: Highway Transport (Highway Transport-La Porte) BFI # CES Job # - 76743
Tank Cleaning (NH Sludge)
1) Y62881 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: BARRY HALL | Signature: Barry Hall | Month 11 | Day 23 | Year 07

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Robert Hickman | Signature: Robert Hickman | Month 11 | Day 28 | Year 08
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

DESIGNATED FACILITY

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Pat Allison | Signature: Pat Allison | Month 11 | Day 28 | Year 07

GULF COAST RECYCLING 2601 JENKINS RD ANAHUAC, TX 77514 409-267-6666
RECEIVED NOV 28 2008 GULF COAST WASTE DISPOSAL AUTH. PERMIT #39039 ANAHUAC, TEXAS

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

EPAHO088001975

A 223154

GULF WEST LANDFILL
2601 S. JENKINS RD
ANAHUAC
TX

035540
HIGHWAY TRANSPORT CHEMICAL, LLC
P.O. BOX 50068

KNOXVILLE, TN 37950-0068
Contract: #Y62881-05

SITE	TICKET	GRID
55	162199	

WEIGHMASTER: PATRICIA E

DATE IN	TIME IN
28 November 2008	9:46 am

DATE OUT	TIME OUT
28 November 2008	10:44 am

VEHICLE	ROLL OFF
CES281	CES25N

REFERENCE	ORIGIN
	CLASS 1 -TX

01 Gross Weight 54,840.00 lb
Tare Weight 41,300.00 lb
Net Weight 13,540.00 lb 6.77 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
12.00	FT	SW-SOLIDIFICATION MAT	$55.00	$660.00	$40.62	$700.62
1.00	LD	ENVIRONMENTAL FEE	$7.50	$7.50	$0.00	$7.50
1.00	LD	FUEL RECOVERY FEE	$48.97	$48.97	$0.00	$48.97

004254927

NET AMOUNT
$0.00
TENDERED
CHANGE
CHECK NO.

SIGNATURE R. Hickman

EPAHO088001976

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Highway Transport (Highway Transport-La Porte) Tank Cleaning (NH Sludge)

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
CES Contact : () -

Driver : Hickman, Robert
Helper :
Date : 11/28/2008 Time : 0600
Truck # 281 Trailer # 253

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333 X205

1) Pick up box containing Non-Hazardous Sludge from Highway Transport

2) Haul box to BFI (Anahuac) and offload

3) Return box to CES yard

ID #: 76743

CUSTOMER INFORMATION

OPERATION HOURS:	SHIPPING/RECEIVING CONTACT:	AFTER HOURS CONTACT:
Open :	Name:	Name:
Close:	Number:	Number:

RECEIVING INFORMATION

OPERATION HOURS:	SHIPPING/RECEIVING CONTACT:	AFTER HOURS CONTACT:
Open :	Name:	Name:
Close:	Number:	Number:

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1876

Transportation Work Ticket

Folder ID : Highway Transport (Highway Transport-La Porte)
Tank Cleaning (NH Sludge)

Date : 11/28/2008

Manifest # : 004254927 JJK

Client : Highway Transport

Ticket : 78743

Phone : 2814708333

Consignee : BFI Gulfwest Landfill

Transporter : CES Environmental Services, Inc.

Signature B HALL

Signature

Leave CES Yard :	0745	Arrive At Destination	0945
Arrive At Customer :	0815	Begin Unloading :	1000
Begin Loading :	0830	Finish Unloading :	1035
Finish Loading :	0845	Leave Destination :	1050
Leave Customer :	0850	Arrive At CES Yard :	1200

Customer PO #:

Total Hours: 4.75

CES Unload: ☐

Gross Weight :	54840	Ending Odometer :	275602
Tare Weight :	41300	Begining Odometer :	275483
Net Weight :	13540	Total Miles :	169

Driver : Hickman, Robert

Tractor # : 281

Tote # :

Signature : Robert Hickman

Trailer # : 253

Box # : 276176

Job Comments/Equipment

Empty box # 276176 dropped & turned in too Tank wash at 1230 hrs.

ALLIED WASTE IND., INC.
GULF WEST LANDFILL
TDH PERMIT #39039
NOV 28 2008
2601 S. [illegible] ROAD
ANAHUAC, TEXAS 77514
409-267-6666

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088001978

CONFINED SPACE ENTRY PERMIT

(TO BE COMPLETED BY THE ENTRY SUPERVISOR)

SECTION A: GENERAL INFORMATION (PLEASE PRINT)

1. Description of the Confined Space: TANK ENTRY

2. Description of Work to be Performed: REMOVE SOLIDS FROM TANK

3. Date Issued: 11/26/09 4.Time Issued: 1 : 00 am /~~pm~~

5. Date Expires: 11/26/09 6.Time Expires: 1 : 00 ~~am~~ pm

7. Attendant: J. HERNANDEZ 8.Entry Supervisor: JOSEPH

SECTION B: CHECKLIST FOR ISOLATION AND UNAUTHORIZED ACCESS PREVENTION

(Circle the correct answer for each question).

1. Are external barriers in place? YES (NO) N/A
2. Has mechanical lockout/tagout been completed? (YES) NO N/A
3. Has electrical lockout/tagout been completed? YES NO (N/A)
4. Have other De-energizing steps been completed? YES NO (N/A)
   If so, describe:_____
5. Have lines/pipes been disconnected? (YES) NO N/A
6. Have lines/pipes been blocked? (YES) NO N/A
7. Have lines/pipes been capped? (YES) NO N/A
8. Have barricades been set up? YES NO (N/A)
9. Have warning signs been placed? YES NO (N/A)
10. Any possible overhead falling debris YES (NO) N/A

Report Unauthorized Entry to: J. HERNANDEZ

Phone: 832-226-1345

SECTION C: PRE-ENTRY CHECKLIST (Check or fill in the correct answers).

1. Purging: Were lines/pipes purged? [ ] YES [ ] NO [X] N/A

   If so, what method was used? [ ] Nitrogen [ ] Steam [ ] Water
   [ ] Other (Specify):_____

2. VENTILATION: Is forced ventilation being maintained? [X] YES [ ] NO [ ] N/A

3. ATMOSPHERIC GAS TESTS PERFORMED BY: HERNANDEZ

TESTER INFORMATION	ATMOSPHERIC HAZARD TESTED	ACCEPTABLE RANGE OF HAZARD	ACTUAL READING (Record)	ACCEPTABLE? (Circle One)
DATE: 11/26/08	Oxygen Content (% O2)	19.5% - 23.5%	20.9 %	YES NO
TIME: 9:15	Combustible Gas (% LEL)	0% - 10%	0 %	YES NO
SIGNATURE:	Other:(Specify):	PEL = ppm	8 ppm	YES NO

CAUTION: Toxic or flammable gases or vapors may stratify in the confined space. Be sure to test at various levels and locations within the confined space. Always check the oxygen content first.

4. SPECIFIC HAZARDOUS TASKS: Certain tasks performed in confined spaces greatly increase the risks to Entrants. Check all tasks to be performed.

[ ] Painting or Solvent-Cleaning [ ] Cleaning/Sweeping/Vacuuming
[X] Scraping/Removing Residue [ ] OTHER

(explain): RINSE DOWN TANK

5. RESCUE PROCEDURE:
CALL 911

RESCUE PERSONNEL:

Names:	Phone:
M. Moser	7-676-1460
S. Stalker	7-676-1460
R. Thomas	7-676-1460

OUTSIDE SOURCES & PHONE:
Fire Dept. 911
Ambulance 911
Hospital 911
Other: 911

6. SPECIAL EQUIPMENT NEEDED (Check):

[X] Air-Purifying Respirators
[ ] Air-Supplying Respirators
[ ] Air-Supplying Respirators with Escape Bottle
[ ] SCBA or Supplied Air (for rescue personnel)
[ ] Safety Harnesses
[ ] Lifelines
[ ] Hoisting Apparatus
[ ] Communications Equipment:
[ ] Temporary Lighting
[X] Non-Sparking Tools
[X] Protective Clothing:

Permit and Checklists Prepared By: HERNANDEZ
Approved By (Unit Supervisor): HERNANDEZ

PERIODIC ATMOSPHERIC GAS TEST RESULTS

Description of the Confined Space: Tank Entry

TESTER INFORMATION 11-26-08	ATMOSPHERIC HAZARD TESTED	ACCEPTABLE RANGE OF HAZARD	ACTUAL READING (RECORD)	ACCEPTABLE? (Check One) YES	NO
Date: [redacted]	Oxygen Content (% O2)	19.5%-23.5%	20.9 %	~~YES~~	NO
Time: 2:15	Combustible Gas (% LEL)	0%-10%	0 %	~~YES~~	NO
Signature: [redacted]	Other (Specify):	PEL = ppm	0 ppm	~~YES~~	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO

NOTE: RETAIN WITH THE CONFINED SPACE ENTRY PERMIT FOR A MINIMUM OF 5 YEARS.

RECORD MONITORING RESULTS AT LEAST EVERY TWO HOURS.

RETURN PERMIT TO SAFETY AT COMPLETION OF JOB.

CONFINED SPACE PERSONNEL ENTRY LOG
(PLEASE PRINT)

Description of the Confined Space: Tank Entry

Entry Supervisor: J. Hernandez **Date:** 11/26/08

Attendant(s): Rainer, Gipson

ENTRANT'S NAME	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
Hernandez						
Rainer						
Gipson						

CES Environmental Services

Container / Tank Cleaning Division
4904 Griggs Rd. • Houston, TX 77021
Phone: (713) 676-1460 • Fax: (713) 676-1676

TANK WASH WORK ORDER

22185

Highway Trns

PO # Highway Transport 16743	Customer: CES	Date: 11-28-08
Tractor 281	Address:	Time:
Trailer / Container Number 276176	Dropped By: Rob. Hickman	Need By:

CONTAINER TYPE: ☐ TOTE BIN ☐ ROLL DOOR BOX ☐ ISO CONTAINER ☐ DRY BULK ☐ TANK TRAILER ☐ ROLL TARP BOX ☑ VACUUM BOX ☐ FRAC TANK ☐ POLY TANK ☐ VACUUM TRUCK

Compartment #	Last Contained	Heel - Hazardous	Heel - Non-Haz	Drum / Rolloff
1	Reg. waste Sludge			
2				
3				
4				
5				

CLEANING CODES	WORK PERFORMED
1 Air Dry	
2 Quick Rinse	
3 Cold Water Rinse	
4 Hot Water Rinse	
5 Steam Only (Per Hour)	
6 Steam & Dry	
7 Rinse, Steam & Dry	/
8 Detergent Wash, Rinse & Dry	/
9 Caustic Wash & Dry	
10 Caustic Wash, Rinse & Dry	/
11 Waste Water Surcharge	/
12 Solvent Wash (Diesel # Hours)	
13 Solvent Wash (Stripper)	
14 Exterior Tractor Wash	
15 Exterior Trailer Wash (w/o Internal)	/
16 Exterior Trailer Wash (with Internal)	/
17 Exterior Acid Brite Wash	
18 Hand Labor (# Men / # Hours)	
19 Hydroblaster (# Hours)	
20 Solvent Wash (Green Stripper)	
21 Passivation	
Hose Cleaning	
Pump Cleaning	

TANK ENTRY PERMIT

Oxygen (19.5% -23.5%)	#1 21.0	#2	#3	#4	#5
LEL (<10%)	#1 0	#2	#3	#4	#5
CO^2 (<35 ppm)	#1 0	#2	#3	#4	#5
Toxic Vapor	#1 0	#2	#3	#4	#5

Signature: ST

Stripper Usage:

Comments:

Authorized Additional Services:

CES Environmental Services, Inc., Cleaning Division, makes no guarantees with respect to the thoroughness of the tank washing procedure or the total elimination of interior residues and/or moisture. Final inspection of the equipment remains the responsibility of the customer, and they hereby release CES Environmental Services, Inc., Cleaning Division, from any responsibility for claims arising from any allegations that the equipment was improperly cleaned, resulting in damage or loss.

CES Environmental Services, Inc., Cleaning Division, is in no manner responsible for any damages or losses of equipment and/or materials left in their yard.

Cleaned By: ST Date 11-28-08

Inspected By: _____ Date _____

Print Name: _____ Date _____

Signature: _____

EPAHO088001983

INVOICE

RAIN FOR RENT

HOUSTON
PO BOX 562
DEER PARK, TX 77536-9998
281-479-4500

RECEIVED
DEC 16 2008
BY:.....

INVOICE

BILL TO: CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON TX 770213208

SHIP TO: HIGHWAY TRANSPORT
520 SOUTH 16 STREET
LA PORTE TX 77571

INVOICE #: 017031201
Control #: R0126648
INVOICE DATE: 12/12/2008
PRINTED DATE: 12/15/2008
CONTRACT#: 017006153-001
DIVISION: 017
PO#: 76743

CUSTOMER: 171290
TEL: 713-676-1460
TERMS: NET 30
SALESMAN: 32367
PAGE: 1

BILLING FROM 11/26/08 THRU RETURN DATE OF 12/1/08 (6 DAYS)
********** COMPLETE RETURN **********

IT HAS BEEN A PLEASURE SERVING YOU!
WE APPRECIATE YOUR BUSINESS AND THE CONFIDENCE YOU HAVE
PLACED IN US. AGAIN, THANK YOU.

PRODUCT #	DESCRIPTION	DATE OUT	BILLED THRU	STATUS	QTY	UNIT PRICE		DIS	AMOUNT
276176	25 YD VACUUM BOX	NOV 26,2008	DEC 01,2008	RTD:	1	180.00	EA	194.85 *	180.00
	M140C-INSTALL LABOR	TIME AT SITE ON DEL OF 276176 ON 11/26/08			.25	85.00		*	21.25
	M110C-DELIVERY HAULG	DEL HAULING FOR 276176 ON 11/26/08			.75	85.00		*	63.75
	M696-FUEL SURCHARGE	ON DEL HAULING FOR 276176 ON 11/26/08			1	7.65		*	7.65

94.84

TOT RENTALS: 180.00 TOT SALES: .00 TOT SERVICES: 92.65

SUBTOTAL:	272.65
TX TAX	17.04
TOTAL:	289.69
BALANCE DUE:	289.69

POSTED
1-26-09

CUSTOMER, (RENTEE or BUYER as context requires), shall be deemed to accept all terms, conditions and provisions hereof upon execution of this agreement; ordering; or delivery of equipment to customer, whichever comes first.

SIGNATURE TITLE DATE

THIS IS AN AGREEMENT, READ BOTH SIDES BEFORE SIGNING.

CUSTOMER / ORIGINAL

EPAHO088001984

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Credit Memo

Date	Credit Memo #
12/12/2008	52440

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	Ref: Invoice 52335 11/26,28/08			
	Cannot split invoice - no partial billing			
	Transportation services by CES		551.25	-551.25
	Fuel Surcharge		148.84	-148.84
	Utility Truck		100.00	-100.00
	Fuel Surcharge		27.00	-27.00
	Hazwopper Technician		336.00	-336.00
	Job Materials: PPE		75.00	-75.00T
	Job Materials: Flex Hose		200.00	-200.00T
	Confined space		300.00	-300.00
	Pressure washer		100.00	-100.00
	Fuel Surcharge		27.00	-27.00
	Transportation services by CES		293.25	-293.25
	Fuel Surcharge		79.18	-79.18
	Compliance Fee		22.60	-22.60

Subtotal	$-2,260.12
Sales Tax (8.0%)	$-22.00
Total	$-2,282.12

Rebilled see Invoice # 53607

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
11/30/2008	52335

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	11/26/08			
5.25	Transportation services by CES Air Machine w/Operator @ ~~$105.00~~ 115.00 per hour		105.00	551.25
	27% Fuel Surcharge		148.84	148.84
1	Field Service Utility truck @ $100.00 per day		100.00	100.00
	27% Fuel Surcharge		27.00	27.00
10.5	Hazwoper Field Technician @ $32.00 per hour (5.25 hrs. ea)		32.00	336.00
3	Job Materials: PPE 3 men @ ~~$25.00~~ 30 per man / per day		25.00	75.00T
100	Job Materials: Flex Hose @ $2.00 per ft		2.00	200.00T
	Confined space entry kit		300.00	300.00
	Equipment use: Pressure washer @ $100.00 per day		100.00	100.00
	27% Fuel Surcharge		27.00	27.00
4.25	Transportation services by CES to disposal site @ $69.00 per hour		69.00	293.25

We appreciate your business!

Subtotal	
Sales Tax (8.0%)	
Total	

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
11/30/2008	52335

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	27% Fuel Surcharge		79.18	79.18
	1% Compliance Fee		22.60	22.60
	CES Job#76477,76476,76743			
	Partial Billing: Box delivery, washout and return will be billed separately			

We appreciate your business!

Subtotal	$2,260.12
Sales Tax (8.0%)	$22.00
Total	$2,282.12

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

COPY

Invoice

Date	Invoice #
6/30/2007	36386

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	6/20/07			
3.25	Delivery of Vacuum Box #610 @ $69.00 per hour		69.00	224.25T
	20% Fuel Surcharge		44.85	44.85
5.75	Air Machine w/Operator @ $105.00 per hour		105.00	603.75
	20% Fuel Surcharge		120.75	120.75
1	Field Service Utility Truck #103 @ $100.00 per day		100.00	100.00
	20% Fuel Surcharge		20.00	20.00
11.5	HAZWOPER Technicians: 2 men @ 5.75 hr each @ $32.00 per hour		32.00	368.00
3	Job materials: PPE 3 men @ $25.00 per man / per day		25.00	75.00T
100	Job materials: 6" Flex Hose @ $2.00 per ft.		2.00	200.00T
1	Equipment Use: Pressure Washer @ $100.00 per day		100.00	100.00
1	Confined Space Entry Kit		300.00	300.00

We appreciate your business!

Subtotal	
Sales Tax (7.75%)	
Total	

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 6%, unless otherwise stated in a formalized contract.

EPAHO088001988

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
6/30/2007	36386

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	6/21/07			
7	Transportation services by CES to disposal facility @ $69.00 per hour	2165576JJK	69.00	483.00
	20% Fuel Surcharge		96.60	96.60
1	Washout of Vacuum Box #610		275.00	275.00
2	Rental of Vacuum Box #610 from 6/20 - 6/21/07 @ $50.00 per day		50.00	100.00T
	CES job #43157, 43156, 43166, 43155			

We appreciate your business!

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 6%, unless otherwise stated in a formalized contract.

Subtotal	$3,111.20
Sales Tax (7.75%)	$46.44
Total	$3,157.64

EPAHO088001989

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Box Delivery

Date : 6/20/2007

Highway Transport

Manifest # :

Client :

Ticket : 43157

Phone : 2814708333

Consignee :

Transporter : CES Environmental Services, Inc.

Signature B HALL

Signature

Leave CES Yard :	6:00	Arrive At Destination	8:00
Arrive At Customer :	6:00	Begin Unloading :	8:00
Begin Loading :	6:00	Finish Unloading :	8:30
Finish Loading :	6:35	Leave Destination :	8:30
Leave Customer :	7:00	Arrive At CES Yard :	9:15

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	
Tare Weight :		Begining Odometer :	128816
Net Weight :		Total Miles :	

Driver : Campos, Guadalupe

Signature : [signature]

Tractor # : 287

Trailer # : 207

Tote # :

Box # : CES box # 610

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Box Delivery

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
CES Contact : Dana Carter (713) 748 - 9804

Driver : Campos, Guadalupe
Helper :
Date : 6/20/2007 Time : 0600
Truck # 287 Trailer # 207

Job Description :

Deliver box # 610 and drop where directed by Joe Carrillo

ID #: 43157

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Non Hazardous Sludge Removal

Date : 6/20/2007 **Manifest # :**

Client : Highway Transport **Ticket :** 43156

Phone : 2814708333 **Consignee :**

Transporter : CES Environmental Services, Inc.

Signature [signature] **Signature**

Leave CES Yard :	7:30 AM	Arrive At Destination	
Arrive At Customer :	8:15 AM	Begin Unloading :	
Begin Loading :	8:45 AM	Finish Unloading :	
Finish Loading :	12:00 AM	Leave Destination :	
Leave Customer :	12:30 PM	Arrive At CES Yard :	1:15 PM

Customer PO #:

Total Hours: 5.75

CES Unload: ☐

Gross Weight :		Ending Odometer :	207275
Tare Weight :		Begining Odometer :	207213
Net Weight :		Total Miles :	62

Driver : Carrillo, Joe **Tractor # :** 105 **Tote # :**

Signature : Carrillo Joe **Trailer # :** **Box # :** 610

Job Comments/Equipment : Took Jose H. and Joe H. to help Suck Out Sludge From Tank's #1-2 into Our Vacuum Box #610, We used Our Vacuum Truck #105, We used Our Pressure Washer to Brake up Sludge, Plus We used 100 Ft of 6" Flex Hose. 4 Tyvek Suits and 6 Pair of Gloves. This was + Pad Forced Space Job.

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088001992

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Non Hazardous Sludge Removal

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
CES Contact : Dana Carter (713) 748 - 9804

Driver : Carrillo, Joe
Helper :
Date : 6/20/2007 Time : 0600
Truck # 1057 Trailer #

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

Take the following:
100 ft 6 inch. flex house
confined space entry kit

1) Remove sludge from wastewater tank as directed by Barry Hall or Floyd

ID #: 43156

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1678

Transportation Work Ticket

Folder ID : Non Hazardous Sludge Removal

Date : 6/20/2007 **Manifest # :**

Highway Transport

Client : **Ticket :** 43166

Phone : 2814708333 **Consignee :**

CES Environmental Services, Inc.

Transporter :

Signature [signature] **Signature**

Leave CES Yard :	7:30 am	**Arrive At Destination**	
Arrive At Customer :	8:15 am	**Begin Unloading :**	
Begin Loading :	8:45 am	**Finish Unloading :**	
Finish Loading :	12:00 pm	**Leave Destination :**	
Leave Customer :	1:45 pm	**Arrive At CES Yard :**	

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		**Ending Odometer :**	
Tare Weight :		**Begining Odometer :**	216039
Net Weight :		**Total Miles :**	

Driver : Hernandez, Joe **Tractor # :** 103 105 **Tote # :**

Signature : [signature] **Trailer # :** **Box # :**

Job Comments/Equipment : REMOVED WASTE FROM BOTH TANKS AS DIRECTED. EQUIPMENT USED VAC TRUCK 105, 1 SEC. 6" FLEX HOSE, VACUME BOX 610 (LES) 1 JOHN DEER PRESSURE WASHER.

TECHS: J. HERNANDEZ LEADMAN: J. CARRILLO

J. RAMIREZ

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088001994

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Non Hazardous Sludge Removal

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
CES Contact : ( ) -

Driver : Hernandez, Joe
Helper : J. Ramirez
Date : 6/20/2007 Time : 0600
Truck # ~~103~~ 105 Trailer #

Job Description :

7:30 am

SITE CONTACT: Barry Hall at 281-470-8333

Take the following:
100 ft 6 inch. flex house
confined space entry kit

1) Remove sludge from wastewater tank as directed by Barry Hall or Floyd

ID #: 43166

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
N/A		(281) 470-9333	002165576 JJK

GENERATOR

5. Generator's Name and Mailing Address

Highway Transport

Generator's Phone: (281) 470-9333

Generator's Site Address (if different than mailing address)

Highway Transport
520 South 16th Street
LaPorte, TX 77571
(281) 470-9333

6. Transporter 1 Company Name

CES Environmental Services, Inc.

U.S. EPA ID Number

TXD055050161

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

BFI Gulf West Landfill
2601 Jenkins Rd
Anahuac, TX 77514
Facility's Phone: (409) 267-6666

U.S. EPA ID Number

N/A

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non DOT regulated waste sludge	1	DM	10	Y	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

Profile ID: Non-Hazardous Sludge ALLIED WASTE APPROVAL # 7201995

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
Darcy Hall	Darcy Hall			

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: U.S. EPA ID Number:

18b. Alternate Facility (or Generator)

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

ALLIED WASTE IND., INC.
GULF WEST LANDFILL
TDH PERMIT #39030
JUN 21 2007
2601 S. JENKINS ROAD
ANAHUAC, TEXAS 77514
409-267-6666

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

EPAHO088001996

A 197638

GULF WEST LANDFILL
2601 S. JENKINS RD
ANAHUAC
TX

035540
HIGHWAY TRANSPORT, INC
520 S.16TH ST

LA PORTE, TX 77572
Contract: #Y421995-05

SITE	TICKET	GRID
53	138512	

WEIGHMASTER: PATRICIA E

DATE IN	TIME IN
21 June 2007	11:22 am

DATE OUT	TIME OUT
21 June 2007	1:40 pm

VEHICLE	ROLL OFF
CES276	CES25N

REFERENCE	ORIGIN
CESJob#43155	CLASS 1 - TX

01 Gross Weight 71,220.00 lb
Tare Weight 43,480.00 lb
Net Weight 27,740.00 lb 13.87 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
10.00	FY	SW-SLUDGE	$37.00	$370.00	$33.22	$403.22
1.00	LD	ENVIRONMENTAL FEE	$5.00	$5.00	$0.00	$5.00
1.00	LD	FUEL RECOVERY FEE	$15.13	$15.13	$0.00	$15.13

0021655576

NET AMOUNT	
TENDERED	
CHANGE	
CHECK NO.	

SIGNATURE

EPAHO088001997

CES Environmental Services, Inc.

4804 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1676

Transportation Work Ticket

Folder ID : Non Hazardous Sludge

Date : 6/21/2007 **Manifest # :** 002165576

Highway Transport

Client : **Ticket :** 43155

Phone : 2814708333 BFI Gulfwest Landfill

Consignee :

CES Environmental Services, Inc.

Transporter :

Signature x Barry Hall **Signature**

Leave CES Yard :	8:00	**Arrive At Destination**	11:00
Arrive At Customer :	8:45	**Begin Unloading :**	11:30
Begin Loading :	9:15	**Finish Unloading :**	1:40
Finish Loading :	9:28	**Leave Destination :**	1:45
Leave Customer :	9:30	**Arrive At CES Yard :**	3:00

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		**Ending Odometer :**	263524
Tare Weight :		**Begining Odometer :**	263397
Net Weight :		**Total Miles :**	127

Driver : Espinal, Jose **Tractor # :** 276 **Tote # :**

Signature : **Trailer # :** 250 **Box # :** 610

Job Comments/Equipment : WAIT AT BFI TO Dump

Rinse OUT Box AT BFI

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088001998

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Non Hazardous Sludge

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
CES Contact : Dana Carter (713) 748 - 9804

Driver : Espinal, Jose
Helper :
Date : 6/21/2007 Time : 2nd
Truck # 276 Trailer # 250

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

1) Pick up box containing Non-Hazardous Sludge from Highway Transport

2) Haul box to BFI (Anahuac) and offload

3) Return box to CES yard Carrillo Deliver Box

ID #: 43155

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

COPY

Invoice

Date	Invoice #
5/30/2006	24520

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	4/28/06			
1.5	Delivery of Vacuum Box #607 @ $67.00 per hour		67.00	100.50T
	14% Fuel Surcharge		14.07	14.07
5.5	Air Machine #104 w/Operator @ $105.00 per hour		105.00	577.50
	14% Fuel Surcharge		80.85	80.85
11	HAZWOPER Technicians: 2 men @ $5.5 hr each @ $32.00 per hour		32.00	352.00
3	Job materials: PPE 3 men @ $25.00 per man / per day		25.00	75.00T
100	Job materials: 6" Flex Hose @ $2.00 per ft.		2.00	200.00T
1	Confined Space Entry Kit		300.00	300.00
	5/1/06			
4.75	Transportation services by CES to disposal facility @ $67.00 per hour	3782781	67.00	318.25
	14% Fuel Surcharge		44.56	44.56
1	Washout of Vacuum Box #607		275.00	275.00
4	Rental of Vacuum Box #607 from 4/28 - 5/1 @ $50.00 per day		50.00	200.00T

We appreciate your business!

Subtotal	$2,537.73
Sales Tax (7.75%)	$44.60
Total	$2,582.33

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 6%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4804 Griggs Road
Houston, TX 77021
Tel. (713) 678-1480
Fax. (713) 678-1676

Transportation Work Ticket

Date : 4/28/2006 Manifest # :

Highway Transport

Client : Ticket : 20748

Phone : 2814708333 Consignee :

CES Environmental Services, Inc.

Shipper :

Description Box Delivery

Signature Signature

Leave CES Yard : 7:30 Arrive At Destination 7:55

Arrive At Customer : Begin Unloading : 8:00

Begin Loading : Finish Unloading : 9:10

Finish Loading : Leave Destination : 8:15

Leave Customer : Arrive At CES Yard : 9:00

1.5 HR

CES Unload: ☐

Gross Weight : Ending Odometer : 012338

Tare Weight : Begining Odometer : 012291

Net Weight : Total Miles : 47

Driver : Candido Rosales Tractor # : 282 Tote # :

Signature : Trailer # : ~~[illegible]~~ 287 Box # : 607

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002001

CES Enviromental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Driver : Candido Rosales

Service Request Form

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
Contact : Barry Hall 2814708333
Called In By : Barry Hall 2814708333
CES Contact : Sean Easton (713) 416 - 4160

Date : 4/28/2006
Time : 0600 AT CES

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

1) Deliver CES vacuum box #607 and drop where directed

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Date : 4/28/2006

Manifest # :

Client : Highway Transport

Ticket : 20741

Phone : 2814708333

Consignee :

Shipper : CES Environmental Services, Inc.

Description Non Hazardous Sludge

Signature

Signature

Leave CES Yard : 7:15 AM

Arrive At Destination

Arrive At Customer : 8:00 AM

Begin Unloading :

Begin Loading : 8:30 AM

Finish Unloading :

Finish Loading : 11:30 AM

Leave Destination :

Leave Customer : 12:00 PM

Arrive At CES Yard : 12:45 PM

CES Unload: ☐

5.5 hr

Gross Weight :

Ending Odometer : 116720

Tare Weight :

Begining Odometer : 116666

Net Weight :

Total Miles : 54

Driver : Joe Carrillo

Tractor # : 104

Tote # :

Signature : Joe Carrillo

Trailer # :

Box # : 607

Job Comments/Equipment : Took Jose R. and A. Soto the Help Suck Out Sludge From Tank into Our Vacuum Box #607 We used Truck 104 to Suck. We used 100 Ft of 6" Flex Hose and 8 Pair of Tyvek Suits Plus. 12 Pair of Gloves and 6 Rolls of Tape We Firsh Job. This was A Confined Space Job.

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002003

CONFINED SPACE ENTRY PERMIT

(TO BE COMPLETED BY THE ENTRY SUPERVISOR)

SECTION A: GENERAL INFORMATION (PLEASE PRINT)

1. Description of the Confined Space: Tank

2. Description of Work to be Performed: Suck Out Sludge

3. Date Issued: 4/27/06 4.Time Issued: 8 : 00 (am) / pm

5. Date Expires: 4/27/06 6.Time Expires: 5 : 00 am / (pm)

7. Attendant: Joe R. 8.Entry Supervisor: Joe Carroll

SECTION B: CHECKLIST FOR ISOLATION AND UNAUTHORIZED ACCESS PREVENTION

(Circle the correct answer for each question).

1. Are external barriers in place? (YES) NO N/A
2. Has mechanical lockout/tagout been completed? (YES) NO N/A
3. Has electrical lockout/tagout been completed? (YES) NO N/A
4. Have other De-energizing steps been completed? (YES) NO N/A
   If so, describe: _____
5. Have lines/pipes been disconnected? (YES) NO N/A
6. Have lines/pipes been blocked? (YES) NO N/A
7. Have lines/pipes been capped? (YES) NO N/A
8. Have barricades been set up? (YES) NO N/A
9. Have warning signs been placed? (YES) NO N/A
10. Any possible overhead falling debris YES (NO) N/A

Report Unauthorized Entry to: MARLIN

Phone: 713-676-1460

SECTION C: PRE-ENTRY CHECKLIST (Check or fill in the correct answers).

1. Purging: Were lines/pipes purged? [ ] YES [X] NO [ ] N/A

   If so, what method was used? [ ] Nitrogen [ ] Steam [ ] Water
   [ ] Other (Specify): _____

2. VENTILATION: Is forced ventilation being maintained? [X] YES [ ] NO [ ] N/A

3. ATMOSPHERIC GAS TESTS PERFORMED BY: Joe Carroll

TESTER INFORMATION	ATMOSPHERIC HAZARD TESTED	ACCEPTABLE RANGE OF HAZARD	ACTUAL READING (Record)	ACCEPTABLE? (Circle One)
DATE: 4/27/06	Oxygen Content (% O2)	19.5% - 23.5%	20.9 %	YES NO
TIME: 9:00	Combustible Gas (% LEL)	0% - 10%	0 %	YES NO
SIGNATURE: [signature]	Other:(Specify):	PEL = ppm	0 ppm	YES NO

CAUTION: Toxic or flammable gases or vapors may stratify in the confined space. ~~Be sure~~ to test at various levels and locations within the confined space. Always check the oxygen content first.

4. SPECIFIC HAZARDOUS TASKS: Certain tasks performed in confined spaces greatly increase the risks to Entrants. Check all tasks to be performed.

[ ] Painting or Solvent-Cleaning [✓] Cleaning/Sweeping/Vacuuming
[ ] Scraping/Removing Residue [ ] OTHER

(explain): Sucking Out Sludge

5. RESCUE PROCEDURE: Call 911

RESCUE PERSONNEL:
Names: Phone: 713
Marlin 676-1460
Matt " "
Sean " "

OUTSIDE SOURCES & PHONE:
Fire Dept. 911
Ambulance 911
Hospital 911
Other: 713-676-1460

6. SPECIAL EQUIPMENT NEEDED (Check):

[✓] Air-Purifying Respirators
[ ] Air-Supplying Respirators
[ ] Air-Supplying Respirators with Escape Bottle
[ ] SCBA or Supplied Air (for rescue personnel)
[✓] Safety Harnesses
[✓] Lifelines
[ ] Hoisting Apparatus
[ ] Communications Equipment:
[ ] Temporary Lighting
[✓] Non-Sparking Tools
[✓] Protective Clothing:

Permit and Checklists Prepared By: Joe Carrillo
Approved By (Unit Supervisor):

CONFINED SPACE PERSONNEL ENTRY LOG
(PLEASE PRINT)

Description of the Confined Space: Tank

Entry Supervisor: Joe Barrilla **Date:** 4/27/06

Attendant(s):

ENTRANT'S NAME	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
Jose R.	9:30					
A. Soto	9:30					

PERIODIC ATMOSPHERIC GAS TEST RESULTS

Description of the Confined Space: Tank

TESTER INFORMATION	ATMOSPHERIC HAZARD TESTED	ACCEPTABLE RANGE OF HAZARD	ACTUAL READING (RECORD)	ACCEPTABLE? (Check One) YES	NO
Date: 4/27/06	Oxygen Content (% O2)	19.5%-23.5%	20.9 %	YES	NO
Time: 9:00	Combustible Gas (% LEL)	0%-10%	0 %	YES	NO
Signature: [signature]	Other (Specify):	PEL = ppm	0 ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO

NOTE: RETAIN WITH THE CONFINED SPACE ENTRY PERMIT FOR A MINIMUM OF 5 YEARS.

RECORD MONITORING RESULTS AT LEAST EVERY TWO HOURS.

RETURN PERMIT TO SAFETY AT COMPLETION OF JOB.

CES Enviromental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Driver : Joe Carrillo

Service Request Form

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
Contact : Barry Hall 2814708333
Called In By : Barry Hall 2814708333
CES Contact : Sean Easton (713) 416 - 4160

Date : 4/28/2006
Time : 0700 AT CES

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

1) Remove sludge from wastewater tank as directed by Barry Hall or Floyd

Take the following:
-100 ft of 6" Flex Hose
-50 ft of Water Hose with crows foot fitting
-100 ft Lanyard
-Harness
-Air Meter
-Confined Space Equipment
-Electrick blower with hose (100 ft extension cord)

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

281

Net
13-83

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. N/A	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
Highway Transport
520 South 16th Street
LaPorte , TX 77571
4. Generator's Phone ((281) 470-8333

A. State Manifest Document Number: 3782781
B. State Generator's ID: 34376

5. Transporter 1 Company Name: CES Environmental Services, Inc.
6. US EPA ID Number: TXD008950461
C. State Transporter's ID: 30900
D. Transporter's Phone: (713) 676-1460

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
BFI Gulfwest Landfill
2601 Jenkins Rd
Anahuac TX, 77514
10. US EPA ID Number: N/A
G. State Facility's ID: 39039
H. Facility's Phone: (409) 267-6666

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. Non-RCRA/Non DOT regulated waste sludge	1	CM	25	Y	00076091
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
BFI# CES Job # - 20812
11a) Y62881 11b) 11c) 11d)

K. Handling Codes for Wastes Listed Above
H132

15. Special Handling Instructions and Additional Information
Emergency Contact : Sean Easton at (713) 416-4160

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Floyd Moreau				

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month	Day	Year
Timothy Manning		05	01	06

18. Transporter 2 Acknowledgement of Receipt of Materials — Date

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Date

Printed/Typed Name	Signature	Month	Day	Year
Everett Stevens Jr				

BROWING FERRIS, INC.
GULF WEST LANDFILL
TDH PERMIT #39039
MAY 1 2006
2601 S. JENKINS ROAD
ANAHUAC, TEXAS 77514
409-267-6666

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

EPAHO088002009

Edit EI
Contract

A 181230

GULF WEST LANDFILL
2601 S. JENKINS RD
ANAHUAC
TX

035540
HIGHWAY TRANSPORT, INC
520 S. 6TH ST

LA PORTE, TX 77571
Contract: ~~#Y421995-05~~ Y62881

SITE 55	TICKET 122418	GRID
WEIGHMASTER ET00028 EVERADO T		
DATE IN 1 May 2006	TIME IN 1:55 pm	
DATE OUT	TIME OUT	
VEHICLE CES281	ROLL OFF CES25N	
REFERENCE	ORIGIN SOLDIFICATION PIT	

01 Gross Weight 76,520.00 lb
Tare Weight 48,860.00 lb
Net Weight 27,660.00 lb 13.83 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
25.00	FY	I9 SOL-WET SLUDGE	$57.00	$1,425.00	$0.00	$1,425.00
13.83	EA	H0 ITX-IN STATE FEE	$6.00	$82.98	$0.00	$82.98
1.00	LD	C) ENVIRONMENTAL FEE	$5.00	$5.00	$0.00	$5.00
1.00	LD	)1 FUEL RECOVERY FEE	$56.55	$56.55	$0.00	$56.55

NET AMOUNT
$1,569.55
TENDERED
$0.00
CHANGE
CHECK NO.

SIGNATURE [signature]

EPAHO088002010

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1678

Transportation Work Ticket

Date : 4/28/2006 Manifest # :

Highway Transport

Client : Ticket : 20759

Phone : 2814708333 Consignee :

CES Environmental Services, Inc.

Shipper :

Description Non Hazardous Sludge Removal

Signature Signature

Leave CES Yard : 7:30 Arrive At Destination

Arrive At Customer : 8:00 Begin Unloading :

Begin Loading : Finish Unloading :

Finish Loading : Leave Destination :

Leave Customer : 11:30 Arrive At CES Yard : 12:15

CES Unload: ☐

Gross Weight : Ending Odometer : 40772

Tare Weight : Begining Odometer : 40718

Net Weight : Total Miles : 50

Driver : Andre Soto Tractor # : 103 Tote # :

Signature : Andres Soto Trailer # : Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002011

CES Enviromental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Driver : Andre Soto

Service Request Form

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
Contact : Barry Hall 2814708333
Called In By : Barry Hall 2814708333
CES Contact : Sean Easton (713) 416 - 4160

Date : 4/28/2006
Time : 0600 AT CES

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

1) Remove sludge from wastewater tank as directed by Barry Hall or Floyd

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Date : 5/1/2006

Manifest # : 3782781

Client : Highway Transport

Ticket : 20812

Phone : 2814708333

Consignee : BFI Gulfwest Landfill

Shipper : CES Environmental Services, Inc.

Description Non Hazardous Sludge

Signature [signature]

Signature

Leave CES Yard :	12:15 PM	Arrive At Destination	1:50 PM
Arrive At Customer :	12:45 "	Begin Unloading :	2:20
Begin Loading :	12:47 "	Finish Unloading :	3:00
Finish Loading :	1:00 "	Leave Destination :	3:15
Leave Customer :	1:10 "	Arrive At CES Yard :	4:59

4.75 hr

CES Unload: ☐

Gross Weight :		Ending Odometer :	108561
Tare Weight :		Begining Odometer :	108263
Net Weight :		Total Miles :	303

Driver : ~~Peter Simion~~

Tractor # : ~~[illegible]~~ 281

Tote # :

Signature : [signature]

Trailer # : ~~[illegible]~~

Box # : 607

Job Comments/Equipment : Washout Box 607

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002013

CES Enviromental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Driver : Tim Manning [redacted]

Service Request Form

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
Contact : Barry Hall 2814708333
Called In By : Barry Hall 2814708333
CES Contact : Sean Easton (713) 416 - 4160

Date : 5/1/2006
Time : 2nd Job

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

1) Pick up box containing Non-Hazardous Sludge from Highway Transport — CES Box #6007
2) Haul box to BFI (Anahuac) and offload
3) Return box to CES yard

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

COPY

Invoice

Date	Invoice #
3/21/2006	22838

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	3/9/06			
1.75	Delivery of Vacuum Box #618 @ $67.00 per hour		67.00	117.25T
	14% Fuel Surcharge		16.41	16.41
	3/10/06			
5.5	Air Machine #104 w/Operator @ $105.00 per hour		105.00	577.50
	14% Fuel Surcharge		80.85	80.85
11	HAZWOPER Technicians: 2 men @ $5.5 hr each @ $32.00 per hour		32.00	352.00
3	Job materials: PPE 3 men @ $25.00 per man / per day		25.00	75.00T
100	Job materials: 6" Flex Hose @ $2.00 per ft.		2.00	200.00T
1	Confined Space Entry Kit		300.00	300.00
	3/13/06			
4.5	Transportation services by CES to disposal facility @ $67.00 per hour	3797170	67.00	301.50
	14% Fuel Surcharge		42.21	42.21

We appreciate your business!

Subtotal	
Sales Tax (7.75%)	
Total	

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 6%, unless otherwise stated in a formalized contract.

EPAHO088002015

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
3/21/2006	22838

Bill To: Highway Transport
Attn: Barry Hall
520 S. 16th St.
La Porte, TX 77571

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
1	Washout of Vacuum Box #618		275.00	275.00
5	Rental of Vacuum Box #618 from 3/9 - 3/15 @ $50.00 per day		50.00	250.00T

We appreciate your business!

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 6%, unless otherwise stated in a formalized contract.

Subtotal	$2,587.72
Sales Tax (7.75%)	$49.77
Total	$2,637.49

EPAHO088002016

CES Environmental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Transportation Work Ticket

Date : 3/9/2006 Manifest # :

Highway Transport

Client : Ticket : 19295

Phone : 2814708333 Consignee :

CES Environmental Services, Inc.

Shipper :

Description : Box Delivery

Signature : Signature : B HALL

Leave CES Yard : Arrive At Destination : 4:30 PM

Arrive At Customer : Begin Unloading : 4:40 PM

Begin Loading : 3:50 PM Finish Unloading : 4:50 PM

Finish Loading : 4:00 PM Leave Receiving Facility : 5:00 PM

Leave Customer : ~~5:00 PM~~ Arrive At CES Yard : 5:30 PM

Leave Ces- 4:05 PM

Gross Weight : Ending Odometer : 179675

Tare Weight : Begining Odometer : 179628

Net Weight : Total Miles : 47

Driver : Rolando Morales Tractor # : 282 Tote # :

Signature : Rolando Morales Trailer # : 218 Box # : 618

Job Comments :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002017

CES Enviromental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Driver : Rolando Morales

Service Request Form

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
Contact : Barry Hall 2814708333
Called In By : Barry Hall 2814708333
CES Contact : Erica Bogan (713) 292 - 3485

Date : 3/9/2006
Time :

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333 or FLloyd

1) Deliver CES vacuum box #607 and drop where directed

#1

CES Enviromental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Transportation Work Ticket

Date : 3/10/2006

Manifest # :

Client : Highway Transport

Ticket : 19294

Phone : 2814708333

Consignee :

Shipper : CES Environmental Services, Inc.

Description : Sludge Removal from Wastewater Tank

Signature :

Signature :

Leave CES Yard : 7:15 AM

Arrive At Destination :

Arrive At Customer : 8:00 AM

Begin Unloading :

Begin Loading : 8:45 AM

Finish Unloading :

Finish Loading : 11:30 AM

Leave Receiving Facility :

Leave Customer : 12:00 PM

Arrive At CES Yard : 12:45 PM

Gross Weight : 18 yards

Ending Odometer : 114126

Tare Weight :

Begining Odometer : 114080

Net Weight :

Total Miles : 46

Driver : Joe Carrillo

Tractor # : 104

Tote # :

Signature : Joe Carrillo

Trailer # :

Box # : 618

Job Comments : Took Jose R and Juan M. to Help Suck Out Sludge From Waste Water Tank. We used Truck 104 for Vacuum We used Vacuum Box 618. We used 100 ft of 6" Flex Hose, Three Tyvek Suit and 6 Pair of Gloves. And 3 Rolls of Tape

White (CES Office) Yellow (CES Office/Billing) Pink (CES Office/IFTA) Golden Rod (Customer)

EPAHO088002019

CONFINED SPACE ENTRY PERMIT

(TO BE COMPLETED BY THE ENTRY SUPERVISOR)

SECTION A: GENERAL INFORMATION (PLEASE PRINT)

1. Description of the Confined Space: TANK

2. Description of Work to be Performed: Suck Out Sludge

3. Date Issued: 3/10/06 4.Time Issued: 9 : 00 (am) / pm

5. Date Expires: 3/10/06 6.Time Expires: 5 : 00 am / (pm)

7. Attendant: JUAN / JOSE 8.Entry Supervisor: JE CARRILLO

SECTION B: CHECKLIST FOR ISOLATION AND UNAUTHORIZED ACCESS PREVENTION

(Circle the correct answer for each question).

1. Are external barriers in place? YES (NO) N/A
2. Has mechanical lockout/tagout been completed? YES (NO) N/A
3. Has electrical lockout/tagout been completed? YES (NO) N/A
4. Have other De-energizing steps been completed? YES (NO) N/A
   If so, describe:_____
5. Have lines/pipes been disconnected? (YES) NO N/A
6. Have lines/pipes been blocked? (YES) NO N/A
7. Have lines/pipes been capped? (YES) NO N/A
8. Have barricades been set up? YES (NO) N/A
9. Have warning signs been placed? YES (NO) N/A
10. Any possible overhead falling debris YES (NO) N/A

Report Unauthorized Entry to: MARLIN MOSER

Phone: 281-785-0764

SECTION C: PRE-ENTRY CHECKLIST (Check or fill in the correct answers).

1. Purging: Were lines/pipes purged? [ ] YES [X] NO [ ] N/A

   If so, what method was used? [ ] Nitrogen [ ] Steam [ ] Water
   [ ] Other (Specify):_____

2. VENTILATION: Is forced ventilation being maintained? [X] YES [ ] NO [ ] N/A

3. ATMOSPHERIC GAS TESTS PERFORMED BY: JOE CARRILLO

TESTER INFORMATION	ATMOSPHERIC HAZARD TESTED	ACCEPTABLE RANGE OF HAZARD	ACTUAL READING (Record)	ACCEPTABLE? (Circle One)
DATE: 3/10/06	Oxygen Content (% O2)	19.5% - 23.5%	21.0 %	(YES) NO
TIME: 8:45 AM	Combustible Gas (% LEL)	0% - 10%	0 %	(YES) NO
SIGNATURE: Joe Carrillo	Other:(Specify):	PEL = ppm	0 ppm	(YES) NO

CAUTION: Toxic or flammable gases or vapors may stratify in the confined space. Be sure to test at various levels and locations within the confined space. Always check the oxygen content first.

4. SPECIFIC HAZARDOUS TASKS: Certain tasks performed in confined spaces greatly increase the risks to Entrants. Check all tasks to be performed.

[ ] Painting or Solvent-Cleaning **[✓] Cleaning/Sweeping/Vacuuming**
[ ] Scraping/Removing Residue **[ ] OTHER**

(explain): Sucking Out Sludge into Vacuum Box #618

5. RESCUE PROCEDURE: Get man Out From Tank And Call 911

RESCUE PERSONNEL:

Names:	Phone:
MATT	713-676-1460
SAM	" "
MARLIN	281-785-0164

OUTSIDE SOURCES & PHONE:

Fire Dept. 911
Ambulance 911
Hospital 911
Other: 713-676-1460

6. SPECIAL EQUIPMENT NEEDED (Check):

[✓] Air-Purifying Respirators
[ ] Air-Supplying Respirators
[ ] Air-Supplying Respirators with Escape Bottle
[ ] SCBA or Supplied Air (for rescue personnel)
[✓] Safety Harnesses
[✓] Lifelines
[ ] Hoisting Apparatus
[✓] Communications Equipment: _____
[✓] Temporary Lighting
[✓] Non-Sparking Tools
[✓] Protective Clothing:

Permit and Checklists Prepared By: Joe Carrillo
Approved By (Unit Supervisor): BARRY HALL

CONFINED SPACE PERSONNEL ENTRY LOG
(PLEASE PRINT)

Description of the Confined Space: Tank

Entry Supervisor: JOE GARCIA **Date:** 3/10/06

Attendant(s): JOSE R, JUAN M.

ENTRANT'S NAME	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT
JOSE R.						
JUAN. M.						

PERIODIC ATMOSPHERIC GAS TEST RESULTS

Description of the Confined Space: Tank

TESTER INFORMATION	ATMOSPHERIC HAZARD TESTED	ACCEPTABLE RANGE OF HAZARD	ACTUAL READING (RECORD)	ACCEPTABLE? (Check One) YES	NO
Date: 3/10/04	Oxygen Content (% O2)	19.5%-23.5%	21.0 %	(YES)	NO
Time: 8:45	Combustible Gas (% LEL)	0%-10%	0 %	(YES)	NO
Signature:	Other (Specify):	PEL = ppm	0 ppm	(YES)	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO
Date: / /	Oxygen Content (% O2)	19.5%-23.5%	%	YES	NO
Time:	Combustible Gas (% LEL)	0%-10%	%	YES	NO
Signature:	Other (Specify):	PEL = ppm	ppm	YES	NO

NOTE: RETAIN WITH THE CONFINED SPACE ENTRY PERMIT FOR A MINIMUM OF 5 YEARS.

RECORD MONITORING RESULTS AT LEAST EVERY TWO HOURS.

RETURN PERMIT TO SAFETY AT COMPLETION OF JOB.

CES Enviromental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Driver : Joe Carrillo / Helper

Service Request Form

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
Contact : Barry Hall 2814708333
Called In By : Barry Hall 2814708333
CES Contact : Erica Bogan (713) 292 - 3485

Date : 3/10/2006
Time : 0600 at CES

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

1) Remove sludge from wastewater tank as directed by Barry Hall or Floyd

Take the following:
-100 ft of 6" Flex Hose
-50 ft of Water Hose with crows foot fitting
-100 ft Lanyard
-Harness
-Air Meter
-Confined Space Equipment
-Electrick blower with hose (100 ft extension cord)

TEXAS COMMISSION ON
ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
N/A			

3. Generator's Name and Mailing Address	A. State Manifest Document Number
Highway Transport 520 South 16th Street LaPorte , TX 77571 4. Generator's Phone ((281) 470-8333	3797170 B. State Generator's ID 34376
5. Transporter 1 Company Name: CES Environmental Services, Inc. — 6. US EPA ID Number: TXD008950461	C. State Transporter's ID 30900 D. Transporter's Phone (713) 676-1460
7. Transporter 2 Company Name — 8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address BFI Gulfwest Landfill 2601 Jenkins Rd Anahuac TX, 77514 — 10. US EPA ID Number: N/A	G. State Facility's ID 39039 H. Facility's Phone (409) 267-6666

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. Non-RCRA/Non DOT regulated waste sludge	1	CM	18	Y	00076091
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above	K. Handling Codes for Wastes Listed Above
BFI# CES Job # - 19352 11a) Y62881 11b) 11c) 11d)	H132

15. Special Handling Instructions and Additional Information

Emergency Contact : Erica Bogan at (713) 292-3485

BROWNING FERRIS, INC.
GULF WEST LANDFILL
TDH PERMIT #39039
MAR 1 2006
2601 S. JENKINS ROAD
ANAHUAC, TEXAS 77514
409-267-6666

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Barry Hall		2	13	06

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		Date		
Printed/Typed Name	Signature	Month	Day	Year
Chuck A. Rowles		2	13	06
18. Transporter 2 Acknowledgement of Receipt of Materials		Date		
Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
Jason Garrison		2	13	06

TCEQ-0311 (Rev. 09/01/02) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

EPAHO088002025

A 177320

GULF WEST LANDFILL
2601 S. JENKINS RD
ANAHUAC
TX

035540
HIGHWAY TRANSPORT, INC
520 S. 6TH ST

LA PORTE, TX 77571
Contract: #Y622681-05

SITE	TICKET	GRID
55	120639	

WEIGHMASTER: PELLISON PATRICIA E

DATE IN	TIME IN
13 March 2006	2:22 pm
DATE OUT	**TIME OUT**

VEHICLE	ROLL OFF
DE5288	DE5288N

REFERENCE	ORIGIN
	SOLIDIFICATION PIT

01 Gross Weight 72,200.00 lb Inbound - SCALE TICKET
Tare Weight 45,720.00 lb
Net Weight 26,480.00 lb 13.24 TN

QTY.	UNIT		DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.00	FY	I9	SOL-WET SLUDGE	$55.00	$990.00	$0.00	$990.00
13.24	EA	HO	ITX-IN STATE FEE	$6.00	$79.44	$0.00	$79.44
1.00	LD	CO	ENVIRONMENTAL FEE	$5.00	$5.00	$0.00	$5.00
1.00	LD	31	FUEL RECOVERY FEE	$38.71	$38.71	$0.00	$38.71

NET AMOUNT
$1,113.15
TENDERED
$0.00
CHANGE
CHECK NO.

3797170

SIGNATURE _____

EPAHO088002026

CES Environmental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Transportation Work Ticket

Date : 3/13/2006 Manifest # : 3797170

Highway Transport

Client : Ticket : 19352

Phone : 2814708333 BFI Gulfwest Landfill

Consignee :

CES Environmental Services, Inc.

Shipper :

Description : Non Hazardous Sludge

Signature : Signature : B HALL

Leave ~~CES~~ Yard : 12:20 Arrive At Destination : 2:15

Arrive At Customer : 12:45 Begin Unloading : 2:30

Begin Loading : 12:50 Finish Unloading : 3:20

Finish Loading : 1:05 Leave Receiving Facility : 3:25

Leave Customer : 1:08 Arrive At CES Yard : 4:50

Gross Weight : Ending Odometer : 007330

Tare Weight : Begining Odometer : 007218

Net Weight : Total Miles : 69

Driver : Candido Rosales Tractor # : 288 Tote # :

Signature : Trailer # : 214 Box # : 618

Job Comments :

Washout Box 618

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

HIGHWAY

100 FT HOSE

50 FT WATER HOSE W/ CROWS FOOT

100' FT LANYARD

1 HARNESS

1 AIR METER

1 C/S PERMIT

1 ELECTRIC BLOWER W/ HOSE 100 FT EXT CORD

- VAC OUT W/W TANK AS DIRECTED B LLOYD Barry Hall 281-470-8333

Highway Transport
520 S. 16th Street
LaPorte, TX 77571
281-470-8333

EPAHO088002029

CES Enviromental Services, Inc
4904 Griggs Rd.
Houston, TX 77021
Office: (713) 676-1460
Fax: (713) 676-1676

Driver : Candido Rosales

Service Request Form

Customer : Highway Transport
Address : 520 South 16th Street
City,State,Zip : LaPorte TX , 77571
Contact : Barry Hall 2814708333
Called In By : Barry Hall 2814708333
CES Contact : Erica Bogan (713) 292 - 3485

Date : 3/13/2006
Time : 2nd Job

Job Description :

SITE CONTACT: Barry Hall at 281-470-8333

1) Pick up CES Box #618 from Highway Transport
2) Haul box to BFI (Anahuac) and offload
3) Return box to ~~CES yard~~ DANA

CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

February 14, 2006

Barry Hall
Highway Transport Inc.
520 South 16th Street
La Porte, TX 77571

Dear Mr Barry Hall,

Thank you for your interest in CES Environmental Services, Inc. and our industrial cleaning and waste disposal services. The following are the time and material rates for the heel removal and transportation of your tank at your La Porte location:

• ** Large Air Machine w/ Operator:	$ 105.00/hour
• **Delivery/Return of Vacuum Box:	$ 67.00/hour
• Vacuum Box Rental:	$ 50.00/day
• HAZWOPER Technicians (1):	$ 32.00/hour/each
• Confined Space Kit (if necessary):	$ 300.00/day
• PPE:	$ 25.00/day/man
• Hose:	$ 2.00/foot

• **Waste Transportation Services:	$ 67.00/hour
• Large Air Machine Cleaning:	$ 275.00/box

** *All motorized equipment is subject to a 14% fuel subject charge*

Estimated Cost (based on a 10 hour day):

7 Hours of Large Air Machine w/ Operator	735.00
HAZWOPER Technician (6 Hours)	192.00
Confined Space Kit	300.00
PPE (2 Men)	50.00
Hose (20 Ft)	40.00
Waste Transportation Service (10 Hours, to deliver Air Machine and vacuum box, to dispose of the heel in vacuum box, and bring vacuum box and air machine back to CES)	670.00
Fuel Surcharge (Based on 5 Hours)	93.80
Vacuum Box Cleaning	275.00
Vacuum Box Rental (2 days)	100.00
Estimated Cost	2,455.80

** *This cost estimate is based on removing one vacuum box (approximately 17 yards) of material.*

Thanks for your interest in CES Environmental Services, Inc. If you have any questions or need additional assistance, feel free to contact me at (713) 292-3458

Sincerely,

Erica Bogan

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET

Requested Disposal Facility: GULF WEST
an Allied Waste Company

Waste Profile #
X62881
AWI Sales Rep:
Date: 2-28-2006

I. Generator Information

Generator Name: Highway Transport Inc.			
Generator Site Address: 520 South 16TH Street			
City: LaPorte	County: Harris	State: TX	Zip: 77571
State ID/Reg No: 34376	State Approval/Waste Code: 00076091 (If applicable)		SIC Code: 4213
Generator Mailing Address (if different): 520 South 16th Street			
City: LaPorte	County: Harris	State: TX	Zip: 77571
Generator Contact Name: Barry Hall			
Phone Number: 281-470-8333		Fax Number: 281-470-1971	

IIa. Transporter Information

Transporter Name: Bealine Service		Contact Name: Kathy	
Transporter Address: 9717 Chemical Road			
City: Pasadena	County: Harris	State: TX	Zip: 77507
Phone Number: 281-474-7772	Fax Number: 281-474-9506	State Transportation Number: 40421	

IIb. Billing Information

Bill To: Highway Transport Inc.		Contact Name: Barry Hall	
Billing Address: 520 South 16th Street			
City: LaPorte	State: TX	Zip: 77571	Phone Number: 281-470-8333

III. Waste Stream Information

Name of Waste: Tank bottom/sump sludge (contains traces of non hazardous materials such as latex, polymers, etc)
Process Generating Waste: Sludge generated from settlement in storage tank during transportation equipment cleaning.
Type of Waste ☒ INDUSTRIAL PROCESS WASTE or ☐ POLLUTION CONTROL WASTE
Physical State: ☐ SOLID ☒ SEMI-SOLID ☐ POWDER ☐ LIQUID ☐ OTHER: ____
Method of Shipment: ☒ BULK ☐ DRUM ☐ BAGGED ☐ OTHER: ____
Estimated Annual Volume: ☒ CUBIC YARDS: 18-25 ☐ TONS: ____ ☐ GALLONS ____ ☐ OTHER: ____
Frequency: ☐ ONE TIME ☐ DAILY ☐ WEEKLY ☐ MONTHLY ☒ OTHER: Bi-annually
Special Handling Instructions: none

IV. Representative Sample Certification

☐ NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	☒ YES or ☐ NO
Sample Date: 2-14-06	Type of Sample: ☐ COMPOSITE SAMPLE ☒ GRAB SAMPLE
Laboratory: Environ Express Laboratories	Sample ID Numbers: 60164.01
Sampler's Employer: Highway Transport Inc.	
Sampler's Name (printed): Barry Hall	Signature: Barry Hall

© Allied Waste, February 2001

ALLIED WASTE

GENERATOR WASTE PROFILE SHEET (continued)

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)
1. see attached analysis	
2. sludge	95
3. free liquid	5
4.	
5.	

Color	Odor (describe)	Free Liquids ☒ YES or ☐ NO	% Solids	pH:	Flash Point	Phenol
off white-black	earthy odor	Content 5%	95	5-8	≥160 ☐F	.04ppm

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and it epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	☐ Yes or ☒ No
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in 40 CFR 261.23?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	☐ Yes or ☒ No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCCD), or any other dioxin as defined in 40 CFR 261.31?	☐ Yes or ☒ No
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	☐ Yes or ☒ No
Is this waste generated at a Federal Superfund Clean Up Site?	☐ Yes or ☒ No

VI. Generator Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue. I further certify that the company has not altered the form or content of this profile sheet as provided by Allied Waste.

BARRY HALL
Authorized Representative Name And Title (Printed)

HIGHWAY TRANSPORT INC.
Company Name

Barry Hall
Authorized Representative Signature

2-28-06
Date

VII. Allied Waste Decision

☐ Approved ☐ Rejected Expiration: _____

Conditions:

_____ _____ _____
Name, Title Signature Date

© Allied Waste, February 2001

[redacted]

Hobas Pipe (Houston)
Pit Cleaning + Disposal

Don Bowman district

EPAHO088002035

CES # 12/3
4249023
(4254937)
CES 4249024
(4254941)
12/3
$520
7.8

Land field
Rate ~~high solid~~ .45¢/gm
~~no process material~~
for these two load
high solid for non processable material
charge by
gallon

18 yd
12 yd

~~reduced~~ reduced fee 2 boxes → ~~80~~ 5hr X 70.00

EPAHO088002037

Customer Special Requests/Requirements

P.O. Required:	☒ Y	☐ N	Fuel Surcharge:	☒ Y	☐ N
4% City of Houston Fee:	☒ Y	☐ N	4-hr Minimum:	☐ Y	☐ N

Job Estimate

	Item	CES Cost	Customer Charge	
	Completion for inv# 52281			
	Analysis	625.00	887.50	
12/4	Washout # 276370		150.00	
12/8	Washout # 276530		150.00	
12/5	Tears - returned Vac box # 276370	151.82	150.00 (+)	
	18% FSC		27.00	
12/8	Tears - returned Vac box # 276530	149.52	150.00 (+)	
	18% FSC		27.00	
	Rental # 276370 - 11/26 - 12/5 - 10 days	324.75	350.00 (+)	35
	Rental # 276530 - 11/26 - 12/8 - 13 days	422.18	455.00 (+)	35
	Sales tax	91.16	91.16	
	1% compliance fee 24.38	~~15.51~~	~~15.51~~ 24.38	
		~~1154.94~~	~~1565.67~~	
	Invoice # 52777			
		~~410.73~~		
	Job cost against inv# 52281 (didn't have redirect charge)			
	4254937 10.97 tons	570.44		
	4254941 10.45 tons	543.40		totals
	energy fee	86.88		
	2989.52	~~2355.66~~	~~1565.67~~ 2462.04	
		~~789.99~~		
		527.48		

Adjustment +896.37

Dr $61.55

EPAHO088002038

Customer Special Requests/Requirements

P.O. Required:	☑ Y	☐ N	Fuel Surcharge:	☑ Y	☐ N
4% City of Houston Fee:	☑ Y	☐ N	4-hr Minimum:	☐ Y	☐ N

Job Estimate

Item	CES Cost	Customer Charge	
PO# MO8112609			
11/26 deliver vac box # 279370 + 276530		300.00 (T)	
27% FSC		81.00	
11/28 TERS- Air Machine w/oper 10.75hr		1021.25	95
27% FSC		275.74	
Supervisor- 11.25hrs		731.25	65
Field Tech- 3 men 33.75hrs		1181.25	35
PPE- 4 men		80.00 (T)	
Hex hose 200ft @ 2in		266.00 (T)	
Hex hose 100ft @ 3in		150.00 (T)	
Pressure Washer		125.00	
Utility Truck		100.00 (T)	
27% FSC		21.00	
TERS- (4 loads) 15.75hrs		1086.75	
27% FSC		293.43	
DISPOSAL- CES 4254931 3000		990.00	
4254926- 1800		594.00	.33 Sludge
4254928- 5500		1815.00	
4254923 5000		1650.00	
11/29 TERS- (2 loads) 7hrs		483.00	
27% FSC		130.41	
DISPOSAL- CES 4254937- (3636) 18yds		1636.20	
4254941 18yds		1636.20	
Redirect fee to outside disposal facility 5hrs		350.00	
27% FSC		94.50	
1% Compliance fee	151.72	151.72	
Sales tax	73.92	73.92	
Commission- Jon-Dustin	878.96	—	
INV# 52281	1104.60	15323.62	
(Partial Bill)	14219.02		
grd send			
$710.95			

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Quotation

For:
Hobas Pipe USA, Inc.
Attn: John Kilgore
Phone: 281-385-0882
Fax: 281-576-0007

Date: December 4, 2003

* Charge out Vac Box loads as Sludge

Description of Work to be Performed:

Transportation, labor, equipment, and disposal of non-hazardous waste water and sludge from a sump and holding tanks at the Hobas Pipe facility in Houston, TX.

Estimated Costs for Completion of Work:

Utility truck 100 w/day

Transportation/Labor/Disposal Transportation

Super Sucker w/operator Rolando @ $95/hr (Estimated 10 hrs)	$ 950.00
Brent/Andre Vacuum and Roll-Off Trucks w/Operators @ $65/hr (2 at 10 hrs =20hrs)	$1,300.00
Roll-off box delivery @ $150/each (2)	$ 300.00
steve @ $65/hr = 12 hrs. Field Service Technician @ $35/hr (1 @ 10 hrs)	$ 350.00

Materials

Vacuum Box Rental @ $35/day/box (2 boxes/2 days)	$ 140.00
Flex Hose @ $1.33/foot → charge for 2 (Estimated 200 foot/ 2 rolls)	$ 266.00
Pressure Washer w/ Boiler @ $125/day	$ 125.00
PPE @ $20/day/man → oops had 5 (4 men/1 day) Please charge only →	$ 80.00

Disposal

Disposal of class 1 Non-Hazardous sump Liquids @ .27/gallon (Estimated 17,000 gals) 5000 5000 6000 } GAL	$4,590.00 — 3 LOADS
Disposal of class 1 Non-Hazardous Mixed Liquid and Sludge @ .33/gallon → 3 loads 3500 4500 LES 5000 LES	

EPAHO088002040

(Estimated 10,000 gallons)	$3,300.00
Vacuum Box Wash Out At project completion @ $150/wash (2)	$ 300.00
Estimated Total	**$11,701.00**

***This quote is based on estimated time and quantities (based on last year's clean out).
***This quote assumes that the analysis is a representation of waste received.
****Thank you for your interest in CES Environmental Services.

Thank You,

4% COH fee on TRANS. 2668.90

Dan Bowman

$ 106.72 (4% fee)

Acceptance Signature_____

Date_____

Sales Tax $ 40.10

CES Environmental Services
Container / Tank Cleaning Division
4904 Griggs Rd. • Houston, TX 77021
Phone: (713) 676-1460 • Fax: (713) 676-1676

HOBAS? pe

TANK WASH WORK ORDER

22214

PO #	Customer:	Date:
77149	CES	12.03.08
Tractor	**Address:**	**Time:**
280		1:38 p
Trailer / Container Number	**Dropped By:**	**Need By:**
276530	Matt Taylor	

CONTAINER TYPE: ☐ TOTE BIN ☐ ROLL DOOR BOX ☐ ISO CONTAINER ☐ DRY BULK
☑ TANK TRAILER ☐ ROLL TARP BOX ☑ VACUUM BOX ☐ FRAC TANK ☐ POLY TANK ☐ VACUUM TRUCK

Compartment #	Last Contained	Heel - Hazardous	Heel - Non-Haz	Drum / Rolloff
1	NH Solids			
2				
3				
4				
5				

CLEANING CODES	WORK PERFORMED
1 Air Dry	
2 Quick Rinse	
3 Cold Water Rinse	
4 Hot Water Rinse	
5 Steam Only (Per Hour)	
6 Steam & Dry	
7 Rinse, Steam & Dry	✓
8 Detergent Wash, Rinse & Dry	
9 Caustic Wash & Dry	✓
10 Caustic Wash, Rinse & Dry	
11 Waste Water Surcharge	✓
12 Solvent Wash (Diesel # Hours)	
13 Solvent Wash (Stripper)	
14 Exterior Tractor Wash	
15 Exterior Trailer Wash (w/o Internal)	✓
16 Exterior Trailer Wash (with Internal)	
17 Exterior Acid Brite Wash	
18 Hand Labor (# Men / # Hours)	
19 Hydroblaster (# Hours)	
20 Solvent Wash (Green Stripper)	
21 Passivation	
Hose Cleaning	
Pump Cleaning	

TANK ENTRY PERMIT

Oxygen (19.5% -23.5%)	#1 20.8	#2	#3	#4	#5
LEL (<10%)	#1 0	#2	#3	#4	#5
CO^2 (<35 ppm)	#1 0	#2	#3	#4	#5
Toxic Vapor	#1 0	#2	#3	#4	#5

Signature: JR

Stripper Usage:

Comments:

Authorized Additional Services:

CES Environmental Services, Inc., Cleaning Division, makes no guarantees with respect to the thoroughness of the tank washing procedure or the total elimination of interior residues and/or moisture. Final inspection of the equipment remains the responsibility of the customer, and they hereby release CES Environmental Services, Inc., Cleaning Division, from any responsibility for claims arising from any allegations that the equipment was improperly cleaned, resulting in damage or loss.

CES Environmental Services, Inc., Cleaning Division, is in no manner responsible for any damages or losses of equipment and/or materials left in their yard.

Cleaned By: J.R. Date 12-8-08

Inspected By:_____ Date_____

Print Name:_____ Date_____

Signature:_____

EPAHO088002042

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
12/23/2008	52777

Bill To: Hobas Pipe USA, Inc.
1413 Richey Road
Houston, TX 77073
Attn: John Kilgore

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	*****Completion of job reference with invoice #52281******			
1	Fee for sampling, delivery, and analyticals of (liquid - pit cleaning)		887.50	887.50
	Cleaning of Vacuum Box #276370 on 12/04/08			
1	Detergent Wash, Rinse & Dry	22212	150.00	150.00
	12/05/08			
1	Returned Vacuum box #276370 to R4R @ $150.00 trip fee		150.00	150.00T
	18% Fuel Surcharge		27.00	27.00
	Cleaning of Vacuum Box #276530 on 12/08/08			
1	Detergent Wash, Rinse & Dry	22214	150.00	150.00
	12/08/08			
1	Returned Vacuum box #276530 to R4R @ $150.00 trip fee		150.00	150.00T
	18% Fuel Surcharge		27.00	27.00
10	Rental of Vacuum Box #276370 from 11/26/08-12/05/08 @ $35.00 per day		35.00	350.00T

We appreciate your business!

Subtotal	
Sales Tax (8.25%)	
Total	

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

EPAHO088002043

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
12/23/2008	52777

Bill To: Hobas Pipe USA, Inc.
1413 Richey Road
Houston, TX 77073
Attn: John Kilgore

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
13	Rental of Vacuum Box #276530 from 11/26/08-12/08/08 @ $35.00 per day		35.00	455.00T
	1% Compliance Fee		24.38	24.38

We appreciate your business!

Subtotal	$2,370.88
Sales Tax (8.25%)	$91.16
Total	$2,462.04

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

EPAHO088002044

CABRLEZE ENVIROMENTAL LANDFILL
REPUBLIC WASTE SERVICES OF TEXAS
P.O. BOX 567 ANGLETON, TX. 77516
(979)864-4442

Ticket: 598335
Date: 12/3/2008
Time In: 09:14:20
Time Out: 11:14:38

Truck: CES1
Customer: 1-96984/CES Enviromental Service
4904 Griggs Rd.
Houston, TX 77021-

Gross:	72500	lb	In	Manual Wt M
Tare:	51600	lb	Out	Scale 3
Net:	20900	lb		
Net Tons:	10.45		Cuyds:	18.00

Profile: 06-0002/CES/CLASS 1 NON HAZ

Comment: MANIFEST 004249023 JJK

Origin	Materials & Services	Quantity	Unit
NA/NON APP	100% of 0152/C1 SLUDGE WET-TON	10.45	Tons
NA/NON APP	FUELSUR/FUEL FEE	0.00	%

Driver: _____

Deputy Weighmaster: _____
AURELIA JUAREZ

Manifest # 425494 11

10.45 tons
X 52.00
543.40

543.40
X 7.80/0
42.39

$585.79

SEABI :E ENVIROMENTAL LANDFILL
REPUB . WASTE SERVICES OF TEXAS
P.O. BO. 567 ANGLETON, TX. 77516
(979)864-4442

Ticket: 598373
Date: 12/3/2008
Time In: 09:47:11
Time Out: 12:34:25

Truck: CES2
Customer: 1-96984/CES Enviromental Service
4904 Griggs Rd.
Houston, TX 77021-

Gross:	64280	lb	In	Scale 1
Tare:	42340	lb	Out	Scale 3
Net:	21940	lb		
Net Tons:	10.97		Cuyds:	20.00

Profile: 06-0002/CES/CLASS 1 NON HAZ

Comment: MANIFEST 004249024 JJK

Origin	Materials & Services	Quantity	Unit
NA/NON APP	100% of 0152/C1 SLUDGE WET-TON	10.97	Tons
NA/NON APP	FUELSUR/FUEL FEE	0.00	%

Driver: _____

Deputy Weighmaster: _____
AURELIA JUAREZ

Manifest # 4254937

10.97 tons
X 52.00
570.44

570.44
X 7.8%
4450

$614.94

Hobbs Pipe

CES Environmental Services

Container / Tank Cleaning Division
4904 Griggs Rd. • Houston, TX 77021
Phone: (713) 676-1460 • Fax: (713) 676-1676

TANK WASH WORK ORDER

22212

PO #	Customer:	Date:
71148	CES	12-03-08
Tractor 281	**Address:**	**Time:** 12:35p
Trailer / Container Number 276390	**Dropped By:** Robert Hickman	**Need By:**

CONTAINER TYPE: ☐ TOTE BIN ☐ ROLL DOOR BOX ☐ ISO CONTAINER ☐ DRY BULK
☐ TANK TRAILER ☐ ROLL TARP BOX ☑ VACUUM BOX ☐ FRAC TANK ☐ POLY TANK ☐ VACUUM TRUCK

Compartment #	Last Contained	Heel - Hazardous	Heel - Non-Haz	Drum / Rolloff
1	n/h solids			
2				
3				
4				
5				

CLEANING CODES	WORK PERFORMED
1 Air Dry	
2 Quick Rinse	
3 Cold Water Rinse	
4 Hot Water Rinse	
5 Steam Only (Per Hour)	
6 Steam & Dry	
7 Rinse, Steam & Dry	
8 Detergent Wash, Rinse & Dry	✓
9 Caustic Wash & Dry	
10 Caustic Wash, Rinse & Dry	
11 Waste Water Surcharge	✓
12 Solvent Wash (Diesel # Hours)	
13 Solvent Wash (Stripper)	
14 Exterior Tractor Wash	
15 Exterior Trailer Wash (w/o Internal)	✓
16 Exterior Trailer Wash (with Internal)	✓
17 Exterior Acid Brite Wash	
18 Hand Labor (# Men / # Hours)	
19 Hydroblaster (# Hours)	
20 Solvent Wash (Green Stripper)	
21 Passivation	
Hose Cleaning	
Pump Cleaning	

TANK ENTRY PERMIT

Oxygen (19.5% -23.5%) #1____ #2____ #3____ #4____ #5____
LEL (<10%) #1____ #2____ #3____ #4____ #5____
CO^2 (<35 ppm) #1____ #2____ #3____ #4____ #5____
Toxic Vapor #1____ #2____ #3____ #4____ #5____
Signature:_____

Stripper Usage:

Comments:

Authorized Additional Services:

CES Environmental Services, Inc., Cleaning Division, makes no guarantees with respect to the thoroughness of the tank washing procedure or the total elimination of interior residues and/or moisture. Final inspection of the equipment remains the responsibility of the customer, and they hereby release CES Environmental Services, Inc., Cleaning Division, from any responsibility for claims arising from any allegations that the equipment was improperly cleaned, resulting in damage or loss.

CES Environmental Services, Inc., Cleaning Division, is in no manner responsible for any damages or losses of equipment and/or materials left in their yard.

Cleaned By: S.T. Date 12-4-08

Inspected By:_____ Date_____

Print Name:_____ Date_____

Signature:_____

EPAHO088002047

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD008950461	1	(713) 676-1460	004249023 JJK

GENERATOR

5. Generator's Name and Mailing Address
CES Environmental Services, Inc. (TSDF) State ID 30931
4904 Gregg Road
Houston, Tx 77026
Generator's Phone: (713) 676-1460

Generator's Site Address (if different than mailing address)
CES Environmental Services, Inc. (TSDF)
4904 Gregg Road
Houston, Tx 77026
(713) 676-1460

6. Transporter 1 Company Name
CES Environmental Services, Inc. State ID 30931 U.S. EPA ID Number TXD008950461

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
Republic Waste Services of Texas, LTD State ID 41535
10330 FM 529
Angleton, Tx 77515
Facility's Phone: (979) 849-7334 U.S. EPA ID Number N/A

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non-DOT regulated waste sludge	1	TT	6	Y	D008/D010
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Profile ID: Class I Sludge (TSDF) CES Pit # 3 Cell 1 & 2

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: J. Ray Robinson Signature: [signature] Month: 12 Day: 03 Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robert Hickman Signature: [signature] Month: 12 Day: 03 Year: 08

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Richard Wilcox Signature: [signature] Month: 12 Day: 03 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

EPAHO088002048

Hubas Pipe

CES Environmental Services

Container / Tank Cleaning Division
4904 Griggs Rd. • Houston, TX 77021
Phone: (713) 676-1460 • Fax: (713) 676-1676

TANK WASH WORK ORDER

22214

PO #	Customer:	Date:
77149	CES	12.03.08
Tractor	**Address:**	**Time:**
280		1:38 p
Trailer / Container Number	**Dropped By:**	**Need By:**
276530	Matt Taylor	

CONTAINER TYPE: ☐ TOTE BIN ☐ ROLL DOOR BOX ☐ ISO CONTAINER ☐ DRY BULK
☐ TANK TRAILER ☐ ROLL TARP BOX ☑ VACUUM BOX ☐ FRAC TANK ☐ POLY TANK ☐ VACUUM TRUCK

Compartment #	Last Contained	Heel - Hazardous	Heel - Non-Haz	Drum / Rolloff
1	Nlh Solids			
2				
3				
4				
5				

CLEANING CODES	WORK PERFORMED
1 Air Dry	
2 Quick Rinse	
3 Cold Water Rinse	
4 Hot Water Rinse	
5 Steam Only (Per Hour)	
6 Steam & Dry	
7 Rinse, Steam & Dry	
8 Detergent Wash, Rinse & Dry	✓
9 Caustic Wash & Dry	
10 Caustic Wash, Rinse & Dry	
11 Waste Water Surcharge	✓
12 Solvent Wash (Diesel # Hours)	
13 Solvent Wash (Stripper)	
14 Exterior Tractor Wash	
15 Exterior Trailer Wash (w/o Internal)	✓
16 Exterior Trailer Wash (with Internal)	✓
17 Exterior Acid Brite Wash	
18 Hand Labor (# Men / # Hours)	
19 Hydroblaster (# Hours)	
20 Solvent Wash (Green Stripper)	
21 Passivation	
Hose Cleaning	
Pump Cleaning	

TANK ENTRY PERMIT

Oxygen (19.5% -23.5%)	#1 20.0	#2	#3	#4	#5
LEL (<10%)	#1 0	#2	#3	#4	#5
CO^2 (<35 ppm)	#1 0	#2	#3	#4	#5
Toxic Vapor	#1 0	#2	#3	#4	#5

Signature: JR

Stripper Usage:

Comments:

Authorized Additional Services:

CES Environmental Services, Inc., Cleaning Division, makes no guarantees with respect to the thoroughness of the tank washing procedure or the total elimination of interior residues and/or moisture. Final inspection of the equipment remains the responsibility of the customer, and they hereby release CES Environmental Services, Inc., Cleaning Division, from any responsibility for claims arising from any allegations that the equipment was improperly cleaned, resulting in damage or loss.

CES Environmental Services, Inc., Cleaning Division, is in no manner responsible for any damages or losses of equipment and/or materials left in their yard.

Cleaned By: JR Date 12-8-08

Inspected By: _____ Date _____

Print Name: _____ Date _____

Signature: _____

EPAHO088002049

2165530

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Class I Sludge [TSDF]

Customer : CES Environmental Services, Inc. (TSDF)
Address : 4904 Griggs Road
City,State,Zip : Houston TX , 77021
CES Contact : () -

Driver : Taylor, Matthew
Helper :
Date : 12/3/2008 Time : 0600
Truck # 280 Trailer # 251

Job Description :

1. Haul Hobas pipe box class 1 sludge from CES to Republic and offload

Get with process facility for location of box.

ID #: 77149

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	07:00 AM	Name:	CES	Name:	CES
Close:	05:00 PM	Number:	(713) 676-1460	Number:	(713) 676-1460

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	07:00 AM	Name:	Republic	Name:	Republic
Close:	05:30 PM	Number:	(866) 669-7834	Number:	(866) 669-7834

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? Hard Hat, Safety Glasses

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

A & B Environmental Services, Inc.

Invoice

10100 East Freeway, Suite 100
Houston, TX 77029
(713) 453-6060

DATE	INVOICE #
12/11/2008	113541

RECEIVED
DEC 1 0 2008
BY:

BILL TO	CUSTOMER PROJECT AND NO.
CES Environmental Services, Inc Attn: Accounts Payable 4904 Griggs Road Houston, TX 77021	Hobas Pipe Sample: 12/02/08 Morgan McCartey Pit Cleaning

P.O. NUMBER	TERMS	DUE DATE	DATE REC.	ACCT. NO.	SAMPLE ID NO.
1208-09	Due on receipt	12/11/2008	12/2/2008		08120041.01

QUANTITY	ITEM CODE	DESCRIPTION	PRICE EACH	AMOUNT
1	RCI	RCI	95.00	95.00
1	TCLP- 8 ...	TCLP Metals - Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver, & Mercury	120.00	120.00
1	VOC-(G...	Volatile Organic Compounds	120.00	120.00
1	BNA (GC...	Semi-Volatile Organic Compounds	240.00	240.00
1	TPH-1005	TPH by Method 1005	50.00	50.00

POSTED
12/24/08

Thank you for your business.

Total $625.00

Laboratory Analysis Report

Total Number of Pages: 25

Job ID : 08120041

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
1208-09 / Hobas Pipe

Report To :	Client Name:	CES Environmental	P.O.#.: 1208-09
	Attn:	Morgan McCarley	Sample Collected By: Durim T.
	Client Address:	4904 Griggs Rd	Date Collected: 12/02/08
	City, State, Zip:	Houston, Texas, 77021	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
1208-09 Vac Box 276370	Liquid	08120041.01

Released By: Sonia West
Title: Senior Project Manager
Date: 12/11/2008

This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

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Date Received : 12/02/2008 14:15

EPAHO088002052

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 08120041

Date: 12/11/2008

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	surr	Surrogate
MS	Matrix Spike	T	Time
MSD	Matrix Spike Duplicate	TNTC	Too numerous to count
MW	Molecular Weight		

Qualifier Definition

D1	Sample required dilution due to matrix effects.
D2	Sample required dilution due to high concentration of target analyte.
M1	Matrix Spike/Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference.
M2	Matrix Spike/Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference.
S5	Target compounds caused elevation of baseline. Surrogate not calculated
V1	CCV recovery is above acceptance limits. This target analyte was not detected in the sample.
V6	CCV recovery is above the control limit for this analyte, however the average %difference for all the analytes meets method criteria.
V7	CCV recovery is below the control limit for this analyte, however the average %difference for all the analytes meets method criteria.

EPAHO088002053

LABORATORY TEST RESULTS

Job ID : 08120041

Date 12/11/2008

Client Name: CES Environmental — Attn: Morgan McCarley

Project Name: 1208-09 / Hobas Pipe

Client Sample ID: 1208-09 Vac Box 276370
Date Collected: 12/02/08
Time Collected: 11:30
Other Information:

Job Sample ID: 08120041.01
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 1010	Ignitability (Flash Point)								
	Ignitability	>150	°F	1				12/04/08 08:00	SG
SW-846 6010C	TCLP Metals								
	Arsenic	BRL	mg/L	2	0.08	5.0	D1	12/04/08 16:12	SS
	Barium	0.116	mg/L	2	0.08	100.0		12/04/08 16:12	SS
	Cadmium	BRL	mg/L	2	0.08	1.0	D1	12/04/08 16:12	SS
	Chromium	BRL	mg/L	2	0.08	5.0	D1	12/04/08 16:12	SS
	Lead	BRL	mg/L	2	0.08	5.0	D1	12/04/08 16:12	SS
	Selenium	BRL	mg/L	2	0.2	1.0	D1	12/04/08 16:12	SS
	Silver	BRL	mg/L	2	0.08	5.0	D1	12/04/08 16:12	SS
SW-846 7.3	Reactive Cyanide								
	Reactive Cyanide	BRL	mg/L	1	25			12/04/08 10:00	SG
SW-846 7.3	Reactive Sulfide								
	Reactive Sulfide	BRL	mg/L	1	25			12/04/08 10:35	SG
SW-846 7470A	TCLP Metals, Mercury								
	Mercury	BRL	mg/L	1	0.0005	0.2		12/04/08 14:30	TK
SW-846 8260B	Volatile Organic Compounds								
	1,1,1,2-Tetrachloroethane	BRL	mg/L	5	0.025		D2	12/03/08 19:35	HW
	1,1,1-Trichloroethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,1,2,2-Tetrachloroethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,1,2-Trichloroethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,1-Dichloroethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,1-Dichloroethylene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,1-Dichloropropene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,2,3-trichlorobenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,2,3-Trichloropropane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,2,4-Trichlorobenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,2,4-Trimethylbenzene	0.034	mg/L	5	0.025			12/03/08 19:35	HW
	1,2-Dibromo-3-chloropropane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,2-Dibromoethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,2-Dichlorobenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,2-Dichloroethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,2-Dichloropropane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,3,5-Trimethylbenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,3-Dichlorobenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,3-Dichloropropane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	1,4-Dichlorobenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	2,2-Dichloropropane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	2-Chlorotoluene	BRL	mg/L	5	0.025			12/03/08 19:35	HW

EPAHO088002054

LABORATORY TEST RESULTS

Job ID : 08120041

Date 12/11/2008

Client Name: CES Environmental
Attn: Morgan McCarley
Project Name: 1208-09 / Hobas Pipe

Client Sample ID: 1208-09 Vac Box 276370
Date Collected: 12/02/08
Time Collected: 11:30
Other Information:

Job Sample ID: 08120041.01
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8260B	Volatile Organic Compounds								
	4-Chlorotoluene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	4-Isopropyltoluene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Benzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Bromobenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Bromochloromethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Bromodichloromethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Bromoform	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Bromomethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Carbon tetrachloride	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Chlorobenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Chloroethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Chloroform	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Chloromethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	cis-1,2-Dichloroethylene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	cis-1,3-Dichloropropene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Dibromochloromethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Dibromomethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Dichlorodifluoromethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Ethylbenzene	1.89	mg/L	125	0.625			12/03/08 06:52	HW
	Isopropylbenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	m- & p-Xylenes	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	MEK	0.199	mg/L	5	0.025			12/03/08 19:35	HW
	Methylene chloride	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Naphthalene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	n-Butylbenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	n-Propylbenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	o-Xylene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	sec-Butylbenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Styrene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	t-butylbenzene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Tetrachloroethylene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Toluene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	trans-1,2-Dichloroethylene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	trans-1,3-Dichloropropene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Trichloroethylene	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Trichlorofluoromethane	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Vinyl Chloride	BRL	mg/L	5	0.025			12/03/08 19:35	HW
	Xylenes	BRL	mg/L	5	0.025			12/03/08 19:35	HW

EPAHO088002055

LABORATORY TEST RESULTS

Job ID : 08120041

Date 12/11/2008

Client Name: CES Environmental
Attn: Morgan McCarley
Project Name: 1208-09 / Hobas Pipe

Client Sample ID: 1208-09 Vac Box 276370
Date Collected: 12/02/08
Time Collected: 11:30
Other Information:

Job Sample ID: 08120041.01
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8260B	Volatile Organic Compounds								
	1,2-Dichloroethane-d4(surr)	87.9	%	5	70-130			12/03/08 19:35	HW
	Dibromofluoromethane(surr)	96.9	%	5	70-130			12/03/08 19:35	HW
	p-Bromofluorobenzene(surr)	106	%	5	70-130			12/03/08 19:35	HW
	Toluene-d8(surr)	95.5	%	5	70-130			12/03/08 19:35	HW
SW-846 8270D	Semivolatile Organic Compounds								
	1,2,4-Trichlorobenzene	BRL	mg/L	66.67	0.6667		D1	12/05/08 16:22	ML
	1,2-Dichlorobenzene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	1,3-Dichlorobenzene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	1,4-Dichlorobenzene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2,4,5-Trichlorophenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2,4,6-Trichlorophenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2,4-Dichlorophenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2,4-Dimethylphenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2,4-Dinitrophenol	BRL	mg/L	66.67	3.3335			12/05/08 16:22	ML
	2,4-Dinitrotoluene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2,6-Dinitrotoluene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2-Chloronaphthalene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2-Chlorophenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2-Methylnaphthalene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2-Methylphenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2-Nitroaniline	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	2-Nitrophenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	3- & 4-Methylphenols	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	3,3-Dichlorobenzidine	BRL	mg/L	66.67	3.3335			12/05/08 16:22	ML
	3-Nitroaniline	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	4,6-Dinitro-2-methylphenol	BRL	mg/L	66.67	1.60008			12/05/08 16:22	ML
	4-Bromophenyl phenyl ether	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	4-Chloro-3-methylphenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	4-Chloroaniline	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	4-Chlorophenyl pheny ether	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	4-Nitroaniline	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	4-Nitrophenol	BRL	mg/L	66.67	3.3335			12/05/08 16:22	ML
	Acenaphthene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Acenaphthylene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Aniline	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Anthracene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Azobenzene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Benzo(a)anthracene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML

EPAHO088002056

LABORATORY TEST RESULTS

Job ID : 08120041

Date 12/11/2008

Client Name: CES Environmental
Attn: Morgan McCarley
Project Name: 1208-09 / Hobas Pipe

Client Sample ID: 1208-09 Vac Box 276370
Date Collected: 12/02/08
Time Collected: 11:30
Other Information:

Job Sample ID: 08120041.01
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	Semivolatile Organic Compounds								
	Benzo(a)pyrene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Benzo(b)fluoranthene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Benzo(g,h,i)perylene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Benzo(k)fluoranthene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Benzoic acid	BRL	mg/L	66.67	3.3335			12/05/08 16:22	ML
	Benzyl alcohol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Bis(2-chloroethoxy) methane	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Bis(2-chloroethyl) ether	BRL	mg/L	66.67	1.3334			12/05/08 16:22	ML
	Bis(2-chloroisopropyl) ether	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Bis(2-ethylhexyl)phthalate	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Butyl benzyl phthalate	BRL	mg/L	66.67	3.3335			12/05/08 16:22	ML
	Carbazole	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Chrysene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Dibenzo(a,h)anthracene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Dibenzofuran	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Diethyl phthalate	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Dimethyl phthalate	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Di-n-butyl phthalate	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Di-n-octyl Phthalate	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Fluoranthene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Fluorene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Hexachlorobenzene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Hexachlorobutadiene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Hexachlorocyclopentadiene	BRL	mg/L	66.67	1.00005			12/05/08 16:22	ML
	Hexachloroethane	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Indeno(1,2,3-cd)pyrene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Isophorone	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Naphthalene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Nitrobenzene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	N-Nitrosodimethylamine	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	N-nitroso-di-n-propylamine	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	N-Nitrosodiphenylamine	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Pentachlorophenol	BRL	mg/L	66.67	3.3335			12/05/08 16:22	ML
	Phenanthrene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Phenol	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Pyrene	BRL	mg/L	66.67	0.6667			12/05/08 16:22	ML
	Pyridine	BRL	mg/L	66.67	1.00005			12/05/08 16:22	ML
	2,4,6-Tribromophenol(surr)	88.2	%	66.66666	19-122			12/05/08 16:22	ML

EPAHO088002057

LABORATORY TEST RESULTS

Job ID : 08120041

Date 12/11/2008

Client Name: CES Environmental — Attn: Morgan McCarley

Project Name: 1208-09 / Hobas Pipe

Client Sample ID: 1208-09 Vac Box 276370
Date Collected: 12/02/08
Time Collected: 11:30
Other Information:

Job Sample ID: 08120041.01
Sample Matrix Liquid

Test Method	Parameter/Test Description	Result	Units	DF	Rpt Limit	Reg Limit	Q	Date Time	Analyst
SW-846 8270D	Semivolatile Organic Compounds								
	2-Fluorobiphenyl(surr)	84.4	%	66.66666	30-115			12/05/08 16:22	ML
	2-Fluorophenol(surr)	44.6	%	66.66666	15-115			12/05/08 16:22	ML
	Nitrobenzene-d5(surr)	72.8	%	66.66666	23-120			12/05/08 16:22	ML
	Phenol-d6(surr)	34.6	%	66.66666	10-130			12/05/08 16:22	ML
	p-Terphenyl-d14(surr)	70	%	66.66666	18-137			12/05/08 16:22	ML
SW-846 9040C	Corrosivity, pH								
	pH	7.52	s.u.					12/05/08 15:00	SG
TX 1005	Total Petroleum Hydrocarbons								
	C6-C12	4.28	mg/L	1	1.25			12/03/08 15:14	WS
	>C12-C28	23	mg/L	1	1.72			12/03/08 15:14	WS
	>C28-C35	133	mg/L	2.5	4.575			12/03/08 17:55	WS
	Total C6-C35	160.28	mg/L	2.5				12/03/08 17:55	WS
	1-Chlorooctane(surr)	120	%	1	62-121			12/03/08 15:14	WS
	Chlorooctadecane(surr)	N/A	%	1	62-121		S5	12/03/08 15:14	WS

EPAHO088002058

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Volatile Organic Compounds **Method :** SW-846 8260B **Reporting Units :** mg/L

QC Batch ID : Qb08120407 **Created Date :** 12/02/08 **Created By :** Whuimei

Samples in This QC Batch : 08120041.01

Sample Preparation : PB08120317 **Prep Method :** SW-846 5030C **Prep Date :** 12/02/08 16:40 **Prep By :** Whuimei

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
1,1,1,2-Tetrachloroethane	630-20-6	BRL	mg/L	1	0.005	
1,1,1-Trichloroethane	71-55-6	BRL	mg/L	1	0.005	
1,1,2,2-Tetrachloroethane	79-34-5	BRL	mg/L	1	0.005	
1,1,2-Trichloroethane	79-00-5	BRL	mg/L	1	0.005	
1,1-Dichloroethane	75-34-3	BRL	mg/L	1	0.005	
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.005	
1,1-Dichloropropene	563-58-6	BRL	mg/L	1	0.005	
1,2,3-trichlorobenzene	87-61-6	BRL	mg/L	1	0.005	
1,2,3-Trichloropropane	96-18-4	BRL	mg/L	1	0.005	
1,2,4-Trichlorobenzene	120-82-1	BRL	mg/L	1	0.005	
1,2,4-Trimethylbenzene	95-63-6	BRL	mg/L	1	0.005	
1,2-Dibromo-3-chloropropa	96-12-8	BRL	mg/L	1	0.005	
1,2-Dibromoethane	106-93-4	BRL	mg/L	1	0.006	
1,2-Dichlorobenzene	95-50-1	BRL	mg/L	1	0.005	
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.005	
1,2-Dichloropropane	78-87-5	BRL	mg/L	1	0.006	
1,3,5-Trimethylbenzene	108-67-8	BRL	mg/L	1	0.005	
1,3-Dichlorobenzene	541-73-1	BRL	mg/L	1	0.005	
1,3-Dichloropropane	142-28-9	BRL	mg/L	1	0.005	
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.005	
2,2-Dichloropropane	594-20-7	BRL	mg/L	1	0.005	
2-Chlorotoluene	95-49-8	BRL	mg/L	1	0.005	
4-Chlorotoluene	106-43-4	BRL	mg/L	1	0.005	
4-Isopropyltoluene	99-87-6	BRL	mg/L	1	0.005	
Benzene	71-43-2	BRL	mg/L	1	0.005	
Bromobenzene	108-86-1	BRL	mg/L	1	0.005	
Bromochloromethane	74-97-5	BRL	mg/L	1	0.006	
Bromodichloromethane	75-27-4	BRL	mg/L	1	0.006	
Bromoform	75-25-2	BRL	mg/L	1	0.005	
Bromomethane	74-83-9	BRL	mg/L	1	0.005	
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.006	
Chlorobenzene	108-90-7	BRL	mg/L	1	0.005	
Chloroethane	75-00-3	BRL	mg/L	1	0.006	
Chloroform	67-66-3	BRL	mg/L	1	0.006	
Chloromethane	74-87-3	BRL	mg/L	1	0.005	
cis-1,2-Dichloroethylene	156-59-2	BRL	mg/L	1	0.005	
cis-1,3-Dichloropropene	10061-01-5	BRL	mg/L	1	0.006	
Dibromochloromethane	124-48-1	BRL	mg/L	1	0.005	
Dibromomethane	74-95-3	BRL	mg/L	1	0.005	
Dichlorodifluoromethane	75-71-8	BRL	mg/L	1	0.006	

Refer to the Definition page for terms.

EPAHO088002059

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Volatile Organic Compounds **Method : SW-846 8260B** **Reporting Units : mg/L**

QC Batch ID : Qb08120407 **Created Date :** 12/02/08 **Created By :** Whuimei

Samples in This QC Batch : 08120041.01

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Ethylbenzene	100-41-4	BRL	mg/L	1	0.005	
Isopropylbenzene	98-82-8	BRL	mg/L	1	0.005	
m- & p-Xylenes	108-38-3&106-42-3	BRL	mg/L	1	0.01	
MEK	78-93-3	BRL	mg/L	1	0.005	
Methylene chloride	75-09-2	BRL	mg/L	1	0.005	
Naphthalene	91-20-3	BRL	mg/L	1	0.005	
n-Butylbenzene	104-51-8	BRL	mg/L	1	0.005	
n-Propylbenzene	103-65-1	BRL	mg/L	1	0.005	
o-Xylene	95-47-6	BRL	mg/L	1	0.005	
sec-Butylbenzene	135-98-8	BRL	mg/L	1	0.005	
Styrene	100-42-5	BRL	mg/L	1	0.005	
t-butylbenzene	98-06-6	BRL	mg/L	1	0.005	
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.006	
Toluene	108-88-3	BRL	mg/L	1	0.005	
trans-1,2-Dichloroethylene	156-60-5	BRL	mg/L	1	0.005	
trans-1,3-Dichloropropene	10061-02-6	BRL	mg/L	1	0.005	
Trichloroethylene	79-01-6	BRL	mg/L	1	0.005	
Trichlorofluoromethane	75-69-4	BRL	mg/L	1	0.005	
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.005	
Xylenes		BRL	mg/L	1	0.005	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	0.02	0.02	100	0.02	0.02	100	0	35	76.3-118	
1,1,1-Trichloroethane	0.02	0.02	100	0.02	0.02	100	0	35	74.9-127	
1,1,2,2-Tetrachloroethane	0.02	0.019	95	0.02	0.02	100	5.13	35	72-126	
1,1,2-Trichloroethane	0.02	0.02	100	0.02	0.02	100	0	35	72.7-123	
1,1-Dichloroethane	0.02	0.019	95	0.02	0.019	95	0	35	83.6-122	
1,1-Dichloroethylene	0.02	0.019	95	0.02	0.019	95	0	35	78.5-120	
1,1-Dichloropropene	0.02	0.019	95	0.02	0.019	95	0	35	76.8-123	
1,2,3-trichlorobenzene	0.02	0.023	115	0.02	0.023	115	0	35	69.9-125	
1,2,3-Trichloropropane	0.02	0.02	100	0.02	0.019	95	5.12	35	64.5-135	
1,2,4-Trichlorobenzene	0.02	0.021	105	0.02	0.022	110	4.65	35	71.4-125	
1,2,4-Trimethylbenzene	0.02	0.02	100	0.02	0.02	100	0	35	78.6-120	
1,2-Dibromo-3-chloropropa	0.02	0.021	105	0.02	0.021	105	0	35	64.1-138	
1,2-Dibromoethane	0.02	0.019	95	0.02	0.021	105	10	35	72.3-124	
1,2-Dichlorobenzene	0.02	0.021	105	0.02	0.022	110	4.65	35	81-119	
1,2-Dichloroethane	0.02	0.023	115	0.02	0.022	110	4.44	35	78.4-130	
1,2-Dichloropropane	0.02	0.02	100	0.02	0.021	105	4.88	35	82.3-122	
1,3,5-Trimethylbenzene	0.02	0.02	100	0.02	0.02	100	0	35	77.5-121	

Refer to the Definition page for terms.

EPAHO088002060

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Volatile Organic Compounds **Method : SW-846 8260B** **Reporting Units : mg/L**

QC Batch ID : Qb08120407 **Created Date :** 12/02/08 **Created By :** Whuimei

Samples in This QC Batch : 08120041.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,3-Dichlorobenzene	0.02	0.02	100	0.02	0.02	100	0	35	81.2-121	
1,3-Dichloropropane	0.02	0.02	100	0.02	0.02	100	0	35	77.2-122	
1,4-Dichlorobenzene	0.02	0.02	100	0.02	0.021	105	4.88	35	74.1-124	
2,2-Dichloropropane	0.02	0.019	95	0.02	0.018	90	5.40	35	72-122	
2-Chlorotoluene	0.02	0.02	100	0.02	0.02	100	0	35	78.3-124	
4-Chlorotoluene	0.02	0.019	95	0.02	0.021	105	10	35	77.7-124	
4-Isopropyltoluene	0.02	0.02	100	0.02	0.02	100	0	35	77.3-120	
Benzene	0.02	0.02	100	0.02	0.02	100	0	35	85-119	
Bromobenzene	0.02	0.02	100	0.02	0.021	105	4.88	35	76.8-123	
Bromochloromethane	0.02	0.018	90	0.02	0.018	90	0	35	79.4-127	
Bromodichloromethane	0.02	0.022	110	0.02	0.021	105	4.65	35	85-117	
Bromoform	0.02	0.023	115	0.02	0.023	115	0	35	67.9-130	
Bromomethane	0.02	0.016	80	0.02	0.016	80	0	35	75.4-112	
Carbon tetrachloride	0.02	0.022	110	0.02	0.021	105	4.65	35	86.1-118	
Chlorobenzene	0.02	0.019	95	0.02	0.02	100	5.13	35	72.2-122	
Chloroethane	0.02	0.02	100	0.02	0.02	100	0	35	72.9-125	
Chloroform	0.02	0.019	95	0.02	0.02	100	5.13	35	80.3-122	
Chloromethane	0.02	0.016	80	0.02	0.017	85	6.06	35	74.5-120	
cis-1,2-Dichloroethylene	0.02	0.019	95	0.02	0.019	95	0	35	79.8-126	
cis-1,3-Dichloropropene	0.02	0.02	100	0.02	0.02	100	0	35	82.6-121	
Dibromochloromethane	0.02	0.02	100	0.02	0.022	110	9.52	35	82.1-114	
Dibromomethane	0.02	0.022	110	0.02	0.02	100	9.52	35	81.7-124	
Dichlorodifluoromethane	0.02	0.019	95	0.02	0.019	95	0	35	67.6-121	
Ethylbenzene	0.02	0.019	95	0.02	0.019	95	0	35	73.7-122	
Isopropylbenzene	0.02	0.02	100	0.02	0.02	100	0	35	74.3-120	
m- & p-Xylenes	0.04	0.038	95	0.04	0.04	100	5.13	35	75.2-121	
MEK	0.02	0.018	90	0.02	0.017	85	5.71	35	69.4-143	
Methylene chloride	0.02	0.017	85	0.02	0.017	85	0	35	65.3-133	
Naphthalene	0.02	0.023	115	0.02	0.023	115	0	35	64-128	
n-Butylbenzene	0.02	0.019	95	0.02	0.02	100	5.13	35	75.6-119	
n-Propylbenzene	0.02	0.019	95	0.02	0.02	100	5.13	35	76.8-123	
o-Xylene	0.02	0.02	100	0.02	0.021	105	4.88	35	77.1-121	
sec-Butylbenzene	0.02	0.02	100	0.02	0.02	100	0	35	76.8-123	
Styrene	0.02	0.019	95	0.02	0.019	95	0	35	69.7-125	
t-butylbenzene	0.02	0.02	100	0.02	0.021	105	4.88	35	76.7-119	
Tetrachloroethylene	0.02	0.02	100	0.02	0.02	100	0	35	69.5-125	
Toluene	0.02	0.018	90	0.02	0.019	95	5.41	35	73.6-118	
trans-1,2-Dichloroethylene	0.02	0.018	90	0.02	0.018	90	0	35	83-119	
trans-1,3-Dichloropropene	0.02	0.019	95	0.02	0.02	100	5.13	35	79-116	
Trichloroethylene	0.02	0.02	100	0.02	0.02	100	0	35	81.7-122	
Trichlorofluoromethane	0.02	0.019	95	0.02	0.02	100	5.13	35	77.3-119	
Vinyl Chloride	0.02	0.0161	80.5	0.02	0.019	95	17.1	35	80.4-122	

Refer to the Definition page for terms.

EPAHO088002061

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Volatile Organic Compounds **Method :** SW-846 8260B **Reporting Units :** mg/L

QC Batch ID : Qb08120407 **Created Date :** 12/02/08 **Created By :** Whuimei

Samples in This QC Batch : 08120041.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual

QC Type: MS and MSD
QC Sample ID: 08110652.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	0.02	0.021	105						72-139	
1,1,1-Trichloroethane	BRL	0.02	0.02	100						82-137	
1,1,2,2-Tetrachloroethane	BRL	0.02	0.021	105						55-149	
1,1,2-Trichloroethane	BRL	0.02	0.02	100						68-139	
1,1-Dichloroethane	BRL	0.02	0.019	95						78-134	
1,1-Dichloroethylene	BRL	0.02	0.02	100						65-141	
1,1-Dichloropropene	BRL	0.02	0.019	95						79-136	
1,2,3-trichlorobenzene	BRL	0.02	0.023	115						54-144	
1,2,3-Trichloropropane	BRL	0.02	0.023	115						58-156	
1,2,4-Trichlorobenzene	BRL	0.02	0.021	105						69-127	
1,2,4-Trimethylbenzene	BRL	0.02	0.02	100						80-131	
1,2-Dibromo-3-chloropropa	BRL	0.02	0.023	115						61-145	
1,2-Dibromoethane	BRL	0.02	0.021	105						68-140	
1,2-Dichlorobenzene	BRL	0.02	0.021	105						70-138	
1,2-Dichloroethane	BRL	0.02	0.022	110						67-152	
1,2-Dichloropropane	BRL	0.02	0.02	100						79-135	
1,3,5-Trimethylbenzene	BRL	0.02	0.019	95						79-133	
1,3-Dichlorobenzene	BRL	0.02	0.02	100						79-128	
1,3-Dichloropropane	BRL	0.02	0.021	105						70-147	
1,4-Dichlorobenzene	BRL	0.02	0.02	100						76-127	
2,2-Dichloropropane	BRL	0.02	0.018	90						60-129	
2-Chlorotoluene	BRL	0.02	0.02	100						83-130	
4-Chlorotoluene	BRL	0.02	0.02	100						82-129	
4-Isopropyltoluene	BRL	0.02	0.02	100						78-129	
Benzene	BRL	0.02	0.022	95						73-129	
Bromobenzene	BRL	0.02	0.021	105						76-132	
Bromochloromethane	BRL	0.02	0.02	100						76-135	
Bromodichloromethane	BRL	0.02	0.02	100						80-136	
Bromoform	BRL	0.02	0.021	105						65-139	
Bromomethane	BRL	0.02	0.017	85						65-150	
Carbon tetrachloride	BRL	0.02	0.02	100						86-137	
Chlorobenzene	BRL	0.02	0.02	100						69-123	
Chloroethane	BRL	0.02	0.019	95						74-145	
Chloroform	BRL	0.02	0.02	100						78-132	
Chloromethane	BRL	0.02	0.018	90						69-139	

Refer to the Definition page for terms.

EPAHO088002062

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Volatile Organic Compounds **Method :** SW-846 8260B **Reporting Units :** mg/L

QC Batch ID : Qb08120407 **Created Date :** 12/02/08 **Created By :** Whuimei

Samples in This QC Batch : 08120041.01

QC Type: MS and MSD
QC Sample ID: 08110652.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
cis-1,2-Dichloroethylene	BRL	0.02	0.02	100						71-134	
cis-1,3-Dichloropropene	BRL	0.02	0.019	95						74-128	
Dibromochloromethane	BRL	0.02	0.021	105						67-141	
Dibromomethane	BRL	0.02	0.021	105						75-135	
Dichlorodifluoromethane	BRL	0.02	0.019	95						62-146	
Ethylbenzene	BRL	0.02	0.021	96						80-132	
Isopropylbenzene	BRL	0.02	0.02	100						78-137	
m- & p-Xylenes	0.0052	0.04	0.045	99.5						73-127	
MEK	BRL	0.02	0.021	105						52-148	
Methylene chloride	BRL	0.02	0.02	100						68-131	
Naphthalene	BRL	0.02	0.025	125						61-116	M1
n-Butylbenzene	BRL	0.02	0.019	95						73-140	
n-Propylbenzene	BRL	0.02	0.02	100						75-127	
o-Xylene	BRL	0.02	0.021	99.5						74-126	
sec-Butylbenzene	BRL	0.02	0.02	100						75-129	
Styrene	BRL	0.02	0.02	94						77-123	
t-butylbenzene	BRL	0.02	0.02	100						75-126	
Tetrachloroethylene	BRL	0.02	0.021	105						71-122	
Toluene	BRL	0.02	0.02	85.5						72-121	
trans-1,2-Dichloroethylene	BRL	0.02	0.019	95						73-138	
trans-1,3-Dichloropropene	BRL	0.02	0.019	95						70-133	
Trichloroethylene	BRL	0.02	0.019	95						6-138	
Trichlorofluoromethane	BRL	0.02	0.02	100						67-148	
Vinyl Chloride	BRL	0.02	0.019	95						80-122	

Refer to the Definition page for terms.

EPAHO088002063

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : **Total Petroleum Hydrocarbons** **Method :** **TX 1005** **Reporting Units :** **mg/L**

QC Batch ID : Qb08120409 **Created Date :** 12/04/08 **Created By :** Dshen

Samples in This QC Batch : 08120041.01

Sample Preparation : PB08120408 **Prep Method :** TX 1005 **Prep Date :** 12/02/08 17:00 **Prep By :** Dshen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
C6-C12		BRL	mg/L	1	1.25		
>C12-C28		BRL	mg/L	1	1.72		
>C28-C35		BRL	mg/L	1	1.83		
Total C6-C35		BRL	mg/L	1			

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	43	49.8	116	43	50.8	118	1.99	20	75-125	
>C12-C28	43	50.4	117	43	48.7	113	3.43	20	75-125	
>C28-C35	43	44.4	103	43	37.9	88.1	15.7	20	75-125	

QC Type: MS and MSD
QC Sample ID: 08120054.04

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	43	42.4	97.6						75-125	
>C12-C28	BRL	43	42.6	96.4						75-125	
>C28-C35	BRL	43	37.6	85.2						75-125	

Refer to the Definition page for terms.

EPAHO088002064

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : TCLP Metals **Method : SW-846 6010C** **Reporting Units : mg/L**

QC Batch ID : Qb08120416 **Created Date :** 12/04/08 **Created By :** Ssrinivasan

Samples in This QC Batch : 08120041.01

Digestion : PB08120412 **Prep Method :** SW-846 3010A **Prep Date :** 12/04/08 08:00 **Prep By :** Ssrinivasan

TCLP Prep : PB08120332 **Prep Method :** SW-846 1311 **Prep Date :** 12/02/08 17:00 **Prep By :** Ksudha

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.04		
Barium	7440-39-3	BRL	mg/L	1	0.04		
Cadmium	7440-43-9	BRL	mg/L	1	0.04		
Chromium	7440-47-3	BRL	mg/L	1	0.04		
Lead	7439-92-1	BRL	mg/L	1	0.04		
Selenium	7782-49-2	BRL	mg/L	1	0.1		
Silver	7440-22-4	BRL	mg/L	1	0.04		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	2	2.16	108	2	2.08	104	3.77	20	80-120	
Barium	2	1.94	97	2	1.88	94	3.14	20	80-120	
Cadmium	2	2.00	100	2	1.94	97	3.05	20	80-120	
Chromium	2	2.00	100	2	1.93	96.5	3.56	20	80-120	
Lead	2	2.05	103	2	1.98	99	3.47	20	80-120	
Selenium	2	2.11	106	2	2.04	102	3.37	20	80-120	
Silver	2	2.08	104	2	2.01	101	3.42	20	80-120	

QC Type: MS and MSD
QC Sample ID: 08120002.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	BRL	2	2.10	105						45-138	
Barium	3.16	2	5.01	92.5						39-135	
Cadmium	BRL	2	1.92	96						56-125	
Chromium	BRL	2	1.91	95.2						52-125	
Lead	BRL	2	1.97	98.5						55-125	
Selenium	BRL	2	2.04	102						70-130	
Silver	BRL	2	2.01	101						26-148	

Refer to the Definition page for terms.

EPAHO088002065

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : TCLP Metals, Mercury **Method : SW-846 7470A** **Reporting Units : mg/L**

QC Batch ID : Qb08120417 **Created Date :** 12/05/08 **Created By :** Tkhuc

Samples in This QC Batch : 08120041.01

Digestion : PB08120413 **Prep Method :** SW-846 7470A **Prep Date :** 12/04/08 09:00 **Prep By :** Tkhuc

TCLP Prep : PB08120332 **Prep Method :** SW-846 1311 **Prep Date :** 12/02/08 17:00 **Prep By :** Ksudha

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.0045	89.8	0.005	0.0057	114	23.9	35	71-143	

QC Type: MS and MSD
QC Sample ID: 08110466.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	BRL	0.005	0.0051	103	0.005	0.0054	108	5.3	35	61-175	

Refer to the Definition page for terms.

EPAHO088002066

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Ignitability (Flash Point) **Method : SW-846 1010** **Reporting Units : °F**

QC Batch ID : Qb08120508 **Created Date :** 12/04/08 **Created By :** Sgarcia

Samples in This QC Batch : 08120041.01

QC Type: Duplicate

QC Sample ID: 08120005.05

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Ignitability	>150	>150	°F		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Ignitability	83	86	104	83	85	102	1.17	20	75-125	

Refer to the Definition page for terms.

EPAHO088002067

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Reactive Sulfide **Method : SW-846 7.3** **Reporting Units : mg/L**

QC Batch ID : Qb08120519 **Created Date :** 12/05/08 **Created By :** Sgarcia

Samples in This QC Batch : 08120041.01

Sample Preparation : PB08120512 **Prep Method :** SW-846 7.3 **Prep Date :** 12/04/08 10:30 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Sulfide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 08120053.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Sulfide	340	320	mg/L	6.06	20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Sulfide	1000	800	80	1000	840	84	4.88	20	40-110	

QC Type: MS and MSD

QC Sample ID: 08120053.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Reactive Sulfide	320	250	400	32						40-110	M2

Refer to the Definition page for terms.

EPAHO088002068

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Reactive Cyanide **Method : SW-846 7.3** **Reporting Units : mg/L**

QC Batch ID : Qb08120522 **Created Date :** 12/04/08 **Created By :** Sgarcia

Samples in This QC Batch : 08120041.01

Sample Preparation : PB08120515 **Prep Method :** SW-846 7.3 **Prep Date :** 12/04/08 08:30 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
Reactive Cyanide		BRL	mg/L	1	25		

QC Type: Duplicate

QC Sample ID: 08120041.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
Reactive Cyanide	BRL	BRL	mg/L		20		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Reactive Cyanide	5	2.04	40.8	5	2.12	42.4	3.85	20	40-110	

Refer to the Definition page for terms.

EPAHO088002069

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Corrosivity, pH **Method : SW-846 9040C** **Reporting Units : s.u.**

QC Batch ID : Qb08120525 **Created Date :** 12/05/08 **Created By :** Sgarcia

Samples in This QC Batch : 08120041.01

QC Type: Duplicate

QC Sample ID: 08120041.01

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
pH	7.51	7.52	s.u.	0.13	5		

QC Type: LCS and LCSD

Parameter	LCS Assigned	LCS Result		LCSD Assigned	LCSD Result		RPD	RPD CtrlLimit	Tolerance	Qual
pH	4.00	4.02							3.95-4.05	

Refer to the Definition page for terms.

EPAHO088002070

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Semivolatile Organic Compounds **Method :** SW-846 8270D **Reporting Units :** mg/L

QC Batch ID : Qb08120802 **Created Date :** 12/08/08 **Created By :** Mli

Samples in This QC Batch : 08120041.01

Extraction : PB08120502 **Prep Method :** SW-846 3510C **Prep Date :** 12/05/08 07:40 **Prep By :** Lwang

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
1,2,4-Trichlorobenzene	120-82-1	BRL	mg/L	1	0.01	
1,2-Dichlorobenzene	95-50-1	BRL	mg/L	1	0.01	
1,3-Dichlorobenzene	541-73-1	BRL	mg/L	1	0.01	
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.01	
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.01	
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.01	
2,4-Dichlorophenol	120-83-2	BRL	mg/L	1	0.01	
2,4-Dimethylphenol	105-67-9	BRL	mg/L	1	0.01	
2,4-Dinitrophenol	51-28-5	BRL	mg/L	1	0.05	
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.01	
2,6-Dinitrotoluene	606-20-2	BRL	mg/L	1	0.01	
2-Chloronaphthalene	91-58-7	BRL	mg/L	1	0.01	
2-Chlorophenol	95-57-8	BRL	mg/L	1	0.01	
2-Methylnaphthalene	91-57-6	BRL	mg/L	1	0.01	
2-Methylphenol	95-48-7	BRL	mg/L	1	0.01	
2-Nitroaniline	88-74-4	BRL	mg/L	1	0.01	
2-Nitrophenol	88-75-5	BRL	mg/L	1	0.01	
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.01	
3,3-Dichlorobenzidine	91-94-1	BRL	mg/L	1	0.05	
3-Nitroaniline	99-09-2	BRL	mg/L	1	0.01	
4,6-Dinitro-2-methylphenol	534-52-1	BRL	mg/L	1	0.05	
4-Bromophenyl phenyl ethe	101-55-3	BRL	mg/L	1	0.01	
4-Chloro-3-methylphenol	59-50-7	BRL	mg/L	1	0.01	
4-Chloroaniline	106-47-8	BRL	mg/L	1	0.01	
4-Chlorophenyl pheny ether	7005-72-3	BRL	mg/L	1	0.01	
4-Nitroaniline	100-01-6	BRL	mg/L	1	0.01	
4-Nitrophenol	100-02-7	BRL	mg/L	1	0.05	
Acenaphthene	83-32-9	BRL	mg/L	1	0.01	
Acenaphthylene	208-96-8	BRL	mg/L	1	0.01	
Aniline	62-53-3	BRL	mg/L	1	0.01	
Anthracene	120-12-7	BRL	mg/L	1	0.01	
Azobenzene	103-33-3	BRL	mg/L	1	0.01	
Benzo(a)anthracene	56-55-3	BRL	mg/L	1	0.01	
Benzo(a)pyrene	50-32-8	BRL	mg/L	1	0.01	
Benzo(b)fluoranthene	205-99-2	BRL	mg/L	1	0.01	
Benzo(g,h,i)perylene	191-24-2	BRL	mg/L	1	0.01	
Benzo(k)fluoranthene	207-08-9	BRL	mg/L	1	0.01	
Benzoic acid	65-85-0	BRL	mg/L	1	0.2	
Benzyl alcohol	100-51-6	BRL	mg/L	1	0.01	
Bis(2-chloroethoxy) methan	111-91-1	BRL	mg/L	1	0.01	

Refer to the Definition page for terms.

EPAHO088002071

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Semivolatile Organic Compounds **Method : SW-846 8270D** **Reporting Units : mg/L**

QC Batch ID : Qb08120802 **Created Date :** 12/08/08 **Created By :** Mli

Samples in This QC Batch : 08120041.01

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Bis(2-chloroethyl) ether	111-44-4	BRL	mg/L	1	0.02	
Bis(2-chloroisopropyl) ether	108-60-1	BRL	mg/L	1	0.05	
Bis(2-ethylhexyl)phthalate	117-81-7	BRL	mg/L	1	0.01	
Butyl benzyl phthalate	85-68-7	BRL	mg/L	1	0.05	
Carbazole	86-74-8	BRL	mg/L	1	0.01	
Chrysene	218-01-9	BRL	mg/L	1	0.01	
Dibenzo(a,h)anthracene	53-70-3	BRL	mg/L	1	0.01	
Dibenzofuran	132-64-9	BRL	mg/L	1	0.01	
Diethyl phthalate	84-66-2	BRL	mg/L	1	0.01	
Dimethyl phthalate	131-11-3	BRL	mg/L	1	0.01	
Di-n-butyl phthalate	84-74-2	BRL	mg/L	1	0.01	
Di-n-octyl Phthalate	117-84-0	BRL	mg/L	1	0.01	
Fluoranthene	206-44-0	BRL	mg/L	1	0.01	
Fluorene	86-73-7	BRL	mg/L	1	0.01	
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.01	
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.01	
Hexachlorocyclopentadiene	77-47-4	BRL	mg/L	1	0.05	
Hexachloroethane	67-72-1	BRL	mg/L	1	0.01	
Indeno(1,2,3-cd)pyrene	193-39-5	BRL	mg/L	1	0.01	
Isophorone	78-59-1	BRL	mg/L	1	0.01	
Naphthalene	91-20-3	BRL	mg/L	1	0.01	
Nitrobenzene	98-95-3	BRL	mg/L	1	0.01	
N-Nitrosodimethylamine	62-75-9	BRL	mg/L	1	0.01	
N-nitroso-di-n-propylamine	621-64-7	BRL	mg/L	1	0.01	
N-Nitrosodiphenylamine	86-30-6	BRL	mg/L	1	0.01	
Pentachlorophenol	87-86-5	BRL	mg/L	1	0.05	
Phenanthrene	85-01-8	BRL	mg/L	1	0.01	
Phenol	108-95-2	BRL	mg/L	1	0.01	
Pyrene	129-00-0	BRL	mg/L	1	0.01	
Pyridine	110-861	BRL	mg/L	1	0.05	

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2,4-Trichlorobenzene	0.05	0.026	52	0.05	0.026	52	0	35	6-126	
1,2-Dichlorobenzene	0.05	0.028	56	0.05	0.028	56	0	35	18-102	
1,3-Dichlorobenzene	0.05	0.024	48	0.05	0.025	50	4.08	35	18-100	
1,4-Dichlorobenzene	0.05	0.027	54	0.05	0.027	54	0	35	14-109	
2,4,5-Trichlorophenol	0.05	0.042	84	0.05	0.039	78	7.40	35	16-124	
2,4,6-Trichlorophenol	0.05	0.036	72	0.05	0.035	70	2.81	35	19-120	
2,4-Dichlorophenol	0.05	0.031	62	0.05	0.032	64	3.17	35	9-121	

Refer to the Definition page for terms.

EPAHO088002072

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Semivolatile Organic Compounds **Method :** SW-846 8270D **Reporting Units :** mg/L

QC Batch ID : Qb08120802 **Created Date :** 12/08/08 **Created By :** Mli

Samples in This QC Batch : 08120041.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
2,4-Dimethylphenol	0.05	0.028	56	0.05	0.029	58	3.51	35	D-121	
2,4-Dinitrophenol	0.05	0.03	60	0.05	0.031	62	3.28	35	20-110	
2,4-Dinitrotoluene	0.05	0.032	64	0.05	0.03	60	6.45	35	18-137	
2,6-Dinitrotoluene	0.05	0.03	60	0.05	0.031	62	3.28	35	26-122	
2-Chloronaphthalene	0.05	0.032	64	0.05	0.031	62	3.17	35	19-118	
2-Chlorophenol	0.05	0.026	52	0.05	0.026	52	0	35	18-102	
2-Methylnaphthalene	0.05	0.033	66	0.05	0.034	68	2.99	35	7-124	
2-Methylphenol	0.05	0.031	62	0.05	0.031	62	0	35	26-114	
2-Nitroaniline	0.05	0.033	66	0.05	0.032	64	3.07	35	20-110	
2-Nitrophenol	0.05	0.028	56	0.05	0.029	58	3.51	35	16-109	
3- & 4-Methylphenols	0.05	0.032	64	0.05	0.031	62	3.17	35	8-104	
3,3-Dichlorobenzidine	0.08	0.055	68.8	0.08	0.056	70	1.8	35	20-110	
3-Nitroaniline	0.05	0.039	78	0.05	0.04	80	2.53	35	20-110	
4,6-Dinitro-2-methylphenol	0.05	0.032	64	0.05	0.033	66	3.08	35	8-124	
4-Bromophenyl phenyl ethe	0.05	0.032	64	0.05	0.033	66	3.08	35	33-113	
4-Chloro-3-methylphenol	0.05	0.033	66	0.05	0.034	68	2.99	35	17-122	
4-Chloroaniline	0.05	0.042	84	0.05	0.043	86	2.35	35	20-110	
4-Chlorophenyl pheny ether	0.05	0.037	74	0.05	0.036	72	2.73	35	27-120	
4-Nitroaniline	0.05	0.034	68	0.05	0.034	68	0	35	20-110	
4-Nitrophenol	0.05	0.022	44	0.05	0.022	44	0	35	D-112	
Acenaphthene	0.05	0.037	74	0.05	0.036	72	2.73	35	23-131	
Acenaphthylene	0.05	0.034	68	0.05	0.033	66	2.98	35	24-117	
Aniline	0.05	0.035	70	0.05	0.036	72	2.82	35	28-107	
Anthracene	0.05	0.035	70	0.05	0.035	70	0	35	32-118	
Azobenzene	0.05	0.03	60	0.05	0.029	58	3.38	35	20-110	
Benzo(a)anthracene	0.05	0.033	66	0.05	0.033	66	0	35	36-115	
Benzo(a)pyrene	0.05	0.033	66	0.05	0.032	64	3.07	35	28-116	
Benzo(b)fluoranthene	0.05	0.029	58	0.05	0.029	58	0	35	27-121	
Benzo(g,h,i)perylene	0.05	0.028	56	0.05	0.03	60	6.9	35	18-123	
Benzo(k)fluoranthene	0.05	0.039	78	0.05	0.039	78	0	35	21-122	
Benzoic acid	0.09	0.015	16.7	0.09	0.015	16.7	0	35	D-129	
Benzyl alcohol	0.05	0.031	62	0.05	0.032	64	3.17	35	15-135	
Bis(2-chloroethoxy) methan	0.05	0.028	56	0.05	0.028	56	0	35	20-107	
Bis(2-chloroethyl) ether	0.05	0.024	48	0.05	0.026	52	8	35	23-95	
Bis(2-chloroisopropyl) ether	0.05	0.028	56	0.05	0.028	56	0	35	17-104	
Bis(2-ethylhexyl)phthalate	0.05	0.032	64	0.05	0.034	68	6.06	35	9-133	
Butyl benzyl phthalate	0.05	0.033	66	0.05	0.034	68	2.99	35	14-135	
Carbazole	0.05	0.036	72	0.05	0.036	72	0	35	28-120	
Chrysene	0.05	0.035	70	0.05	0.035	70	0	35	36-117	
Dibenzo(a,h)anthracene	0.05	0.029	58	0.05	0.03	60	3.39	35	26-118	
Dibenzofuran	0.05	0.039	78	0.05	0.039	78	0	35	22-122	
Diethyl phthalate	0.05	0.036	72	0.05	0.037	74	2.74	35	25-128	

Refer to the Definition page for terms.

EPAHO088002073

QUALITY CONTROL CERTIFICATE

Job ID : 08120041 **Date :** 12/11/2008

Analysis : Semivolatile Organic Compounds **Method : SW-846 8270D** **Reporting Units : mg/L**

QC Batch ID : Qb08120802 **Created Date :** 12/08/08 **Created By :** Mli

Samples in This QC Batch : 08120041.01

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Dimethyl phthalate	0.05	0.032	64	0.05	0.032	64	0	35	27-122	
Di-n-butyl phthalate	0.05	0.033	66	0.05	0.034	68	2.99	35	25-128	
Di-n-octyl Phthalate	0.05	0.031	62	0.05	0.034	68	9.23	35	18-128	
Fluoranthene	0.05	0.033	66	0.05	0.034	68	2.99	35	27-131	
Fluorene	0.05	0.04	80	0.05	0.037	74	7.79	35	26-126	
Hexachlorobenzene	0.05	0.035	70	0.05	0.035	70	0	35	30-130	
Hexachlorobutadiene	0.05	0.027	54	0.05	0.026	52	3.77	35	5-115	
Hexachlorocyclopentadiene	0.05	0.027	54	0.05	0.026	52	3.77	35	D-95	
Hexachloroethane	0.05	0.029	58	0.05	0.028	56	3.50	35	14-102	
Indeno(1,2,3-cd)pyrene	0.05	0.021	42	0.05	0.022	44	4.65	35	24-126	
Isophorone	0.05	0.028	56	0.05	0.03	60	6.9	35	15-114	
Naphthalene	0.05	0.031	62	0.05	0.03	60	3.27	35	19-112	
Nitrobenzene	0.05	0.027	54	0.05	0.026	52	3.77	35	20-109	
N-Nitrosodimethylamine	0.05	0.021	42	0.05	0.021	42	0	35	5-92	
N-nitroso-di-n-propylamine	0.05	0.033	66	0.05	0.034	68	2.99	35	24-114	
N-Nitrosodiphenylamine	0.05	0.034	68	0.05	0.034	68	0	35	35-135	
Pentachlorophenol	0.05	0.032	64	0.05	0.031	62	3.17	35	D-128	
Phenanthrene	0.05	0.034	68	0.05	0.034	68	0	35	31-119	
Phenol	0.05	0.021	42	0.05	0.021	42	0	35	D-111	
Pyrene	0.05	0.035	70	0.05	0.034	68	2.89	35	10-145	
Pyridine	0.05	0.022	44	0.05	0.022	44	0	35	D-129	

Refer to the Definition page for terms.

EPAHO088002074

A&B Labs — Chain of Custody

The Chain of Custody is a Legal Document

Page 1 of 1

12/2/08

A&B Labs
10100 East Fwy (I-10) Ste. 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 08120041

5. Project #

1. REPORT TO:
Company: CES Environmental
Address: 4904 Gardens Road
Houston, TX 77021
Contact: ~~Kim~~ Morgan McCarley
Phone: (713) 676-1460
Fax: ☒ (713) 676-1676
E-mail: ☒ mmccarley@cesenvironmental.

2. INVOICE TO:
Company: SAME
Address:
Contact:
Phone:
Fax: ☐
E-mail: ☐

3. PO # 1208-05

4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project Name/Location: Hobas Pipe

7. Reporting Requirement:
☐ TRRP Limits only ☐ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Durm Taylor / CES
Sampler's Signature & Date: 12/2

13. No. of Containers
14. Containers*
15. Preservatives**
16. PH-Lab Only
17. Analyses/Methods: TCLP & Metals; TPH; Volatiles; Semi-Volatiles; PCT

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	10. Sampling Time	11. Comp.	11. Grab	12. Matrix: Water	Soil	Sludge	Oil	Air	Other	18. REMARKS
01.A	1208-09 Vac Box 276370	12/2	11:30		X							X X X X X

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1	12/2	2:15			
2					
3			21. RECEIVED BY LABORATORY: Dorothy Wright	12/2/08	2:15

22. KNOWN HAZARDS/COMMENTS

Temperature: 21.9 °C
Intact: Y or N Initials: DW

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; P/O - Plastic/other

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $Na_2S_2O_3$; X - Other

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

LAB USE ONLY SAMPLING ____ RENTAL ____ P/U ____

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days
A&B reserves the right to return samples

EPAHO08002075

Sample Condition Checklist

Date : **12/11/08**

A&B JobID : **08120041**	Date Received : **12/02/2008**	Time Received : **2:15PM**
Client Name : **CES Environmental**		
Temperature : **21.9°C**	Sample pH : **N/A**	

	Check Points	Yes	No
1.	**Cooler seal present and signed.**	N/A	
2.	**Sample(s) in a cooler.**		X
3.	**If yes, ice in cooler.**		X
4.	**Sample(s) received with chain-of-custody.**	X	
5.	**C-O-C signed and dated.**	X	
6.	**Sample(s) received with signed sample custody seal.**	N/A	
7.	**Sample containers arrived intact. (If no comment).**	X	
8.	**Matrix :** **Water** ☐ **Soil** ☐ **Liquid** ☑ **Sludge** ☐ **Solid** ☐ **Cassette** ☐ **Tube** ☐ **Bulk** ☐ **Badge** ☐ **Food** ☐ **Other** ☐		
9.	**Sample(s) were received in appropriate container(s).**	X	
10.	**Sample(s) were received with proper preservative**		
11.	**All samples were logged or labeled.**	X	
12.	**Sample ID labels match C-O-C ID's**	X	
13.	**Bottle count on C-O-C matches bottles found.**	X	
14.	**Sample volume is sufficient for analyses requested.**	X	
15.	**Samples were received within the hold time.**	X	
16.	**VOA vials completely filled.**	N/A	
17.	**Sample accepted.**	X	

Comments : Include actions taken to resolve discrepancies/problem:

Received by : Dwright

Check in by/date : Dwright / 12/02/2008

EPAHO088002076

INVOICE

RAIN FOR RENT

HOUSTON
PO BOX 562
DEER PARK, TX 77536-9998
281-479-4500

RECEIVED
DEC 11 2008
BY:.....

INVOICE

BILL TO: CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON TX 770213208

SHIP TO: HOBAS PIPE
1413 RICHEY RD.
HOUSTON TX 77073

INVOICE #: 017031090
Control #: R0009999
INVOICE DATE: 12/08/2008
PRINTED DATE: 12/09/2008
CONTRACT#: 017006154-001
DIVISION: 017
PO#: HOBAS

CUSTOMER: 171290
TEL: 713-676-1460
TERMS: NET 30
SALESMAN: 32367
PAGE: 1

PARTIAL RETURN

IT HAS BEEN A PLEASURE SERVING YOU!
WE APPRECIATE YOUR BUSINESS AND THE CONFIDENCE YOU HAVE
PLACED IN US. AGAIN, THANK YOU.

PRODUCT #	DESCRIPTION	DATE OUT	BILLED THRU	STATUS	QTY	UNIT PRICE		DIS	AMOUNT
276370	25 YD VACUUM BOX	NOV 26,2008	DEC 05,2008	RTD:	1	300.00	EA	*	300.00
	BILLING FROM 11/26/08 THRU RETURN DATE OF 12/05/08 (10-DAYS)								
	M141C-REMOVAL LABOR				.25	85.00		*	21.25
	TIME AT SITE ON RTN OF 276370 ON 12/05/08								
	M108C-RETURN HAULING				1.25	85.00		*	106.25
	RTN HAULING FOR 276370 ON 12/05/08								
	M696-FUEL SURCHARGE				1	12.75		*	12.75
	ON RTN HAULING FOR 276370 ON 12/05/08								

TOT RENTALS: 300.00 TOT SALES: .00 TOT SERVICES: 140.25

SUBTOTAL:	440.25
TX TAX	36.32
TOTAL:	476.57
BALANCE DUE:	476.57

POSTED
12/23

CUSTOMER, (RENTEE or BUYER as context requires), shall be deemed to accept all terms, conditions and provisions hereof upon execution of this agreement; ordering; or delivery of equipment to customer, whichever comes first.

SIGNATURE TITLE DATE

THIS IS AN AGREEMENT, READ BOTH SIDES BEFORE SIGNING.

CUSTOMER / ORIGINAL

EPAHO088002077

INVOICE

RAIN FOR RENT

HOUSTON
PO BOX 562
DEER PARK, TX 77536-9998
281-479-4500

RECEIVED
DEC 12 2008

INVOICE

BILL TO: CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON TX 770213208

SHIP TO: HOBAS PIPE
1413 RICHEY RD.
HOUSTON TX 77073

INVOICE #: 017031163
Control #: R0009999
INVOICE DATE: 12/10/2008
PRINTED DATE: 12/11/2008
CONTRACT#: 017006154-002
DIVISION: 017
PO#: HOBAS

CUSTOMER: 171290
TEL: 713-676-1460
TERMS: NET 30
SALESMAN: 32367
PAGE: 1

BILLING FROM 11/26/08 THRU RETURN DATE OF 12/08/08 (13-DAYS)
********** COMPLETE RETURN **********

IT HAS BEEN A PLEASURE SERVING YOU!
WE APPRECIATE YOUR BUSINESS AND THE CONFIDENCE YOU HAVE
PLACED IN US. AGAIN, THANK YOU.

PRODUCT #	DESCRIPTION	DATE OUT	BILLED THRU	STATUS	QTY	UNIT PRICE		DIS	AMOUNT
276530	25 YD VACUUM BOX	NOV 26,2008	DEC 08,2008	RTD:	1	390.00	4/22.18	*	390.00
	M141C-REMOVAL LABOR				.25	85.00		*	21.25
		TIME AT SITE ON RTN OF 276530 ON 12/08/08							
	M108C-RETURN HAULING				1.25	85.00		*	106.25
		RTN HAULING FOR 276530 ON 12/08/08							
	M696-FUEL SURCHARGE				1	10.63		*	10.63
		ON RTN HAULING FOR 276530 ON 12/08/08							

149.50

TOT RENTALS: 390.00 TOT SALES: .00 TOT SERVICES: 138.13

SUBTOTAL:	528.13
TX TAX	43.57
TOTAL:	571.70
BALANCE DUE:	571.70

POSTED
12/23

CUSTOMER, (RENTEE or BUYER as context requires), shall be deemed to accept all terms, conditions and provisions hereof upon execution of this agreement; ordering; or delivery of equipment to customer, whichever comes first.

SIGNATURE TITLE DATE

THIS IS AN AGREEMENT, READ BOTH SIDES BEFORE SIGNING.

CUSTOMER / ORIGINAL

EPAHO088002078

912049

INVOICE

SOLD TO	**CES Environmental** **4904 Griggs Rd.**	SHIP TO	Hobas Pipe
ADDRESS	**Houston, TX 77021** **713-676-1460**	ADDRESS	
CITY, STATE, ZIP		CITY, STATE, ZIP	Pipe Cleaning + Disposal

CUSTOMER ORDER NO.	SOLD BY	TERMS	F.O.B.	DATE
	Jon Charles			11/28/08

ORDERED	SHIPPED	DESCRIPTION	PRICE	UNIT	AMOUNT
		Commission			878.96
		11/30/08			878.96

adams 5840

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
12/5/2008	52281

Bill To: Hobas Pipe USA, Inc.
1413 Richey Road
Houston, TX 77073
Attn: John Kilgore

P.O. No.	Terms	Project
M08112609	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	******* Partial Bill *******			
	11/26/08			
2	Delivered Vacuum box #279370 & 276530 @ $150.00 trip fee		150.00	300.00T
	27% Fuel Surcharge		81.00	81.00
	11/28/08			
10.75	Transportation services by CES (Air Machine w/Operator) @ $95.00 per hour		95.00	1,021.25
	27% Fuel Surcharge		275.74	275.74
1	Utility Truck @ $100.00 per day		100.00	100.00T
	27% Fuel Surcharge		27.00	27.00
11.25	Field Supervisor @ $65.00 per hour		65.00	731.25
33.75	Field Technician 3-Men @ $35.00 per man / per hour		35.00	1,181.25
4	PPE 4-Men @ $20.00 per man/ per day		20.00	80.00T
200	Flex Hose of 2" @ $1.33 per ft.		1.33	266.00T
100	Flex Hose of 3" @ $1.50 per ft.		1.50	150.00T
1	Pressure Washer @ $125.00 per day		125.00	125.00

We appreciate your business!

Subtotal	
Sales Tax (8.25%)	
Total	

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

EPAHO088002080

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
12/5/2008	52281

Bill To: Hobas Pipe USA, Inc.
1413 Richey Road
Houston, TX 77073
Attn: John Kilgore

P.O. No.	Terms	Project
M08112609	Net 30	

Quantity	Description	Manifest #	Rate	Amount
15.75	Transportation services by CES (4 loads) @ $69.00 per hour		69.00	1,086.75
	27% Fuel Surcharge		293.43	293.43
	Disposal of Non RCRA / Non DOT regulated wastewater @ $0.33 per gallon (had sludge)			
3,000	1st load	4254931JJK	0.33	990.00
1,800	2nd load	4254926JJK	0.33	594.00
5,500	3rd load	4254928JJK	0.33	1,815.00
5,000	4th load	4254923JJK	0.33	1,650.00
	11/29/08			
7	Transportation services by CES (2 loads) @ $69.00 per hour		69.00	483.00
	27% Fuel Surcharge		130.41	130.41
5	Redirect fee to outside disposal facility @ $70.00 per hour		70.00	350.00
	27% Fuel Surcharge		94.50	94.50
	Disposal of Non RCRA / Non DOT regulated wastewater @ $0.45 per gallon (high solids for processable material)			
3,636	1st load	4254937JJK	0.45	1,636.20
3,636	2nd load	4254941JJK	0.45	1,636.20
	1% Compliance Fee		151.72	151.72

We appreciate your business!

Subtotal	$15,249.70
Sales Tax (8.25%)	$73.92
Total	$15,323.62

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4804 Griggs Road
Houston, TX 77021
Tel (713) 678-1080
Fax (713) 678-1876

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/26/2008 Manifest # :

Hobas Pipe

Client : Ticket : 75757

Phone : 2817312113 Consignee :

CES Environmental Services, Inc.

Transporter :

X Signature Ace Smith X Signature

Leave CES Yard :	1145	Arrive At Destination	1350
Arrive At Customer :	1215	Begin Unloading :	1355
Begin Loading :	1220	Finish Unloading :	1405
Finish Loading :	1240	Leave Destination :	1410
Leave Customer :	1245	Arrive At CES Yard :	1445

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	179844
Tare Weight :		Beginning Odometer :	179790
Net Weight :		Total Miles :	54

Driver : Lawrence, Gregory Tractor # : 286 Tote # :

Signature : Trailer # : 286 Box # : 276370

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver : Lawrence, Gregory
Helper :
Date : 11/26/2008 Time : 2nd
Truck # 286 Trailer # 236

Job Description :

Call if there are any problems Dan 713-854-6150

BOX MUST BE DELIVERED BETWEEN NOON AND 13:00.

drop where directed by Ron

CONTACT WILL BE Ron @ (281) 731-2113

ID #: 76767

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	JOHN KILGORE	Name:	CELL PHONE
Close:	08:00 PM	Number:	(281) 821-2000	Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFTY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED: 150 FOR VAC. TRUCK

DRUM DOLLY NEEDED: ☐ YES ☑ NO

SIZE:	2"	**PALLET JACK NEEDED:**	☐ YES ☑ NO
LOADING FROM (i.e. Tank):	FS TRUCK	**CAN CUSTOMER LOAD WITH FORKLIFT**	☐ YES ☑ NO
SIZE OF FITTING:	2" OR FROM TOP		
TYPE OF FITTING:	2-3 ADAPTOR		

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☑ YES ☐ NO **IF YES, HOW MANY?** 2

EQUIPMENT NEEDED:

WXT. LADDER
2 PRESSURE WASHER
AIR MACHINE-FOR FIELD SERVICE WORK
5500GAL. VAC TRUCK FOR BULK SHIPMENT

EPAHO088002084

INVOICE

RAIN FOR RENT

HOUSTON
PO BOX 562
DEER PARK, TX 77536-9998
281-479-4500

DELIVERY TICKET

BILL TO: CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON TX 770213208

SHIP TO: HOBAS PIPE
1413 RICHEY RD.
HOUSTON TX 77073

DELIVERY# : 017006154-001
DATE 11/26/2008 04:00:00
ID: MORGAN MCCARLEY

DIVISION: 017
PO#: HOBAS

CUST # 171290
TEL: 713-676-1460

PAGE: 1 IV1

PRODUCT #	DESCRIPTION	PUMP HOURS	DATE OUT	QUANTITY	QTY SHIPPED
276370	25 YD VACUUM BOX SER#: 276370			1	1
276530	25 YD VACUUM BOX SER#: 276530			1	1

CUSTOMER'S SIGNATURE: _____ DELIVERY TIME: _____

CUSTOMER, (RENTEE or BUYER as context requires), shall be deemed to accept all terms, conditions and provisions hereof upon execution of this agreement; ordering; or delivery of equipment to customer, whichever comes first.

SIGNATURE TITLE DATE 11-26-08

THIS IS AN AGREEMENT, READ BOTH SIDES BEFORE SIGNING.

CUSTOMER / ORIGINAL

EPAHO088002085

DRIVER: OUTBOUND

QUALITY ASSURANCE AND SAFETY CHECKLIST

239845

BRANCH NO. 17 DATE 11/26/08 RENTAL / SALES ORDER NO. _____

- This unit has been inspected and is operationally "**fit for use**" within the scope and limitations of its intended use.
- Any relevant delivery concerns / condition(s) ***must be clearly documented*** in the "**COMMENTS**" SECTION.

-- **Damages beyond normal wear and tear will be billed to the renter.** Renter's Initials X G.L

- **PUMP UNITS: RENTOR IS ALSO RESPONSIBLE** TO CHECK ALL FLUID AND OIL LEVELS AND **CHANGE OIL FILTER EVERY 150-HOURS OF OPERATION.**
- **TANKS: CUSTOMER IS RESPONSIBLE** TO ASSURE PV VALVE IS NOT BLOCKED OFF OR MODIFIED AND **ONLY** MATERIALS AS SPECIFIED ON THE RENTAL AGREEMENT ARE STORED IN UNIT!
- **RENTOR IS RESPONSIBLE** TO ASSURE RENTAL UNIT IS **NOT MODIFIED** WHILE IN THEIR CUSTODIAL CARE.

CUSTOMER NAME: CES	RENTAL CUSTOMER'S NUMBER: 171290
DELIVERY ADDRESS/LOCATION: Hobas Pipe 1413 Richy rd	
UNIT MODEL: 25yd Vac Box	UNIT SERIAL NUMBER: 276370
ADDITIONAL DELIVERY COMMENTS:	

DELIVERED BY: ACE Firth A (PRINT NAME AND INITIAL)

RECEIVED BY: X Gregory Lawrence G.L (PRINT NAME AND INITIAL)

FORM No. 306 (REVISED 1/04/2005)

READY TO RENT: INSPECTED BY: _____ CERTIFIED BY: Jorge DATE: 11/13/08

✔ CHECKED BOX INDICATES SPECIFIED ITEM AND RELATED ACCESSORIES HAVE BEEN INSPECTED AND ARE IN 'READY TO RENT' CONDITION - **DETAILS ON BACKSIDE.**

MECHANIC

- **ALL UNITS [AS APPLICABLE]**

☐ PAINT, CONDITION ☐ Exterior Structural Condition ☑ INTERIOR STRUCTURAL CONDITION ☐ Electrical Components ☐ Mechanical Components
☐ Rolling Chassis and/or Trailer Assembly ☑ LADDERS & SAFETY RAILS/CHAINS ☐ VALVES, HANDLES, FLANGES & SEATS
☐ ALWAYS ENSURE THAT ALL HATCHES, LADDERS AND RAILS ARE SECURELY FASTENED DOWN BEFORE MOVING UNIT!

- **PUMP UNITS:**

☐ Fuel Level: OUT [Delivery] _____ IN [Return] _____ ☐ Operating time [HR Meter OUT [Delivery] _____ IN [Return] _____
☐ Vacuum [hg]: OUT [Delivery] _____ IN [Return] _____ ☐ Mechanical Seal Oil [Color]: OUT [Delivery] _____ IN [Return] _____
☐ Wear Plate Clearance: OUT [Delivery] _____ IN [Return] _____ ☐ Pump End ☐ Power & Compressor Units ☐ Belts & Hoses ☐ Battery & Starter

- **TANK AND BOX UNITS [AS APPLICABLE]** ☐ Doors & Gaskets ☑ Top Lids / Tarps & Accessories
- **SRD FILTRATION UNITS:** ☐ Filter Media ☐ Vessel Lids, O-Rings & Gaskets ☐ Pressure Gauges ☐ Back-flush Controller ☐ Filter Pressure Sustaining Valve

Comment(s): _____

YOUR FEEDBACK IS IMPORTANT TO US! "HELP US BETTER SERVE YOUR NEEDS & EXPECTATIONS" BY RESPONDING TO THIS SURVEY

- **RAIN FOR RENT: 1 - 800 - 742 - 7246**

239845

	YES	NEED FOR IMPROVEMENT
OUR PERSONNEL		
PERSONNEL WERE **COURTEOUS** AND **NEAT** IN **APPEARANCE**	___	___
PERSONNEL WERE **KNOWLEDGEABLE** RESPONDING TO ALL YOUR QUESTIONS AND CONCERNS IN A **HIGHLY PROFESSIONAL** AND **TIMELY** MANNER.	___	___
RAIN FOR RENT EQUIPMENT		
THE **RIGHT** *EQUIPMENT* WAS DELIVERED TO THE **RIGHT** LOCATION **ON TIME**	___	___
EQUIPMENT CONDITION **MET** OR EXCEEDED **YOUR NEEDS** AND EXPECTATIONS	___	___
EQUIPMENT PERFORMANCE **MET** OR EXCEEDED **YOUR NEEDS** AND EXPECTATIONS	___	___

WE COULD SERVE YOU BETTER BY:

_____

_____

NAME _____ **TITLE** _____

COMPANY _____ **ADDRESS** _____

PHONE (___) - _____ - _____ **EXT.** ____ **CITY** _____ **STATE** ___ **ZIP** _____

FAX (_____) - _____ - _____ **RENTAL / SALES ORDER NO.** _____

Thank YOU for your business! Service Branch # 17 Delivered By: ACE Firth

VISIT our WEBSITE http://www.rainforrent.com for solutions to your temporary liquid handling and filtration challenges!

EPAHO088002086

DRIVER: OUTBOUND

QUALITY ASSURANCE AND SAFETY CHECKLIST

239836

BRANCH NO. 17 **DATE** 11/26/08 **RENTAL / SALES ORDER NO.** _____

- This unit has been inspected and is operationally "**fit for use**" within the scope and limitations of its intended use.
- Any relevant delivery concerns / condition(s) ***must be clearly documented*** in the "**COMMENTS**" SECTION.

-- **Damages beyond normal wear and tear will be billed to the renter.** Renter's Initials X G.L

- **PUMP UNITS: RENTOR IS ALSO RESPONSIBLE** TO CHECK ALL FLUID AND OIL LEVELS AND **CHANGE OIL FILTER EVERY 150-HOURS OF OPERATION.**
- **TANKS: CUSTOMER IS RESPONSIBLE** TO ASSURE PV VALVE IS NOT BLOCKED OFF OR MODIFIED AND **ONLY** MATERIALS AS SPECIFIED ON THE RENTAL AGREEMENT ARE STORED IN UNIT!
- **RENTOR IS RESPONSIBLE** TO ASSURE RENTAL UNIT IS **NOT MODIFIED** WHILE IN THEIR CUSTODIAL CARE.

CUSTOMER NAME: CES	RENTAL CUSTOMER'S NUMBER: 171290
DELIVERY ADDRESS/LOCATION: Hobas Pipe 1413 Ridley rd	
UNIT MODEL: 25yd Vac Box	UNIT SERIAL NUMBER: 276530
ADDITIONAL DELIVERY COMMENTS:	

DELIVERED BY:: ACE Firth AF (PRINT NAME AND INITIAL)

RECEIVED BY: X Gregory Lawrence G.L (PRINT NAME AND INITIAL)

FORM No. 306 (REVISED 1/04/2005)

READY TO RENT: INSPECTED BY: _____ CERTIFIED BY: Jorge DATE: 11/13/08

✔ CHECKED BOX INDICATES SPECIFIED ITEM AND RELATED ACCESSORIES HAVE BEEN INSPECTED AND ARE IN 'READY TO RENT' CONDITION - **DETAILS ON BACKSIDE.**

MECHANIC

- **ALL UNITS [AS APPLICABLE]**

☑ PAINT, CONDITION ☑ Exterior Structural Condition ☐ INTERIOR STRUCTURAL CONDITION ☐ Electrical Components ☐ Mechanical Components
☐ Rolling Chassis and/or Trailer Assembly ☐ LADDERS & SAFETY RAILS/CHAINS ☐ VALVES, HANDLES, FLANGES & SEATS
☐ ALWAYS ENSURE THAT ALL HATCHES, LADDERS AND RAILS ARE SECURELY FASTENED DOWN BEFORE MOVING UNIT!

- **PUMP UNITS:**

☐ Fuel Level: OUT [Delivery] _____ IN [Return] _____ ☐ Operating time [HR Meter OUT [Delivery] _____ IN [Return] _____
☐ Vacuum [hg]: OUT [Delivery] _____ IN [Return] _____ ☐ Mechanical Seal Oil [Color]: OUT [Delivery] _____ IN [Return] _____
☐ Wear Plate Clearance: OUT [Delivery] _____ IN [Return] _____ ☐ Pump End ☐ Power & Compressor Units ☐ Belts & Hoses ☐ Battery & Starter

- **TANK AND BOX UNITS [AS APPLICABLE]** ☐ Doors & Gaskets ☑ Top Lids / Tarps & Accessories
- **SRD FILTRATION UNITS:** ☐ Filter Media ☐ Vessel Lids, O-Rings & Gaskets ☐ Pressure Gauges ☐ Back-flush Controller ☐ Filter Pressure Sustaining Valve

Comment(s): _____

YOUR FEEDBACK IS IMPORTANT TO US! "HELP US BETTER SERVE YOUR NEEDS & EXPECTATIONS" BY RESPONDING TO THIS SURVEY

- **RAIN FOR RENT: 1 - 800 - 742 - 7246**

	YES	NEED FOR IMPROVEMENT
OUR PERSONNEL		
PERSONNEL WERE **COURTEOUS** AND **NEAT** IN **APPEARANCE**	___	___
PERSONNEL WERE **KNOWLEDGEABLE** RESPONDING TO ALL YOUR QUESTIONS AND CONCERNS IN A **HIGHLY PROFESSIONAL** AND **TIMELY** MANNER.	___	___
RAIN FOR RENT EQUIPMENT		
THE **RIGHT** *EQUIPMENT* WAS DELIVERED TO THE **RIGHT** LOCATION **ON TIME**	___	___
EQUIPMENT CONDITION **MET** OR EXCEEDED **YOUR NEEDS** AND EXPECTATIONS	___	___
EQUIPMENT PERFORMANCE **MET** OR EXCEEDED **YOUR NEEDS** AND EXPECTATIONS	___	___

239836

WE COULD SERVE YOU BETTER BY:

_____

_____

NAME _____ **TITLE** _____

COMPANY _____ **ADDRESS** _____

PHONE (___) - _____ - _____ **EXT.**____ **CITY** _____ **STATE** ___ **ZIP** _____

FAX (_____) - _____ - _____ **RENTAL / SALES ORDER NO.** _____

Thank YOU for your business! Service Branch # 17 Delivered By: ACE Firth

VISIT our WEBSITE http://www.rainforrent.com for solutions to your temporary liquid handling and filtration challenges!

EPAHO088002087

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel: (713) 678-1483
Fax: (713) 678-1678

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/26/2008 Manifest # :

Client : Hobas Pipe Ticket : 78768

Phone : 2817312113 Consignee :

Transporter : CES Environmental Services, Inc.

X Signature Ace Smith X Signature

Leave CES Yard :	1445	Arrive At Destination	1610
Arrive At Customer :	1510	Begin Unloading :	1620
Begin Loading :	1515	Finish Unloading :	1630
Finish Loading :	1520	Leave Destination :	1636
Leave Customer :	1525	Arrive At CES Yard :	1730

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	179958
Tare Weight :		Beginning Odometer :	179844
Net Weight :		Total Miles :	114

Driver : Lawrence, Gregory Tractor # : 236 Tote # :

Signature : Trailer # : 236 Box # : 276530

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver : Lawrence, Gregory
Helper :
Date : 11/26/2008 Time : 3rd
Truck # 286 Trailer # 236

Job Description :

Call if there are any problems Dan 713-854-6150

BOX MUST BE DELIVERED BETWEEN NOON AND 13:00.

drop where directed by Ron

CONTACT WILL BE Ron @ (281) 731-2113

ID #: 76766

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	JOHN KILGORE	Name:	CELL PHONE
Close:	08:00 PM	Number:	(281) 821-2000	Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFTY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED: 150 FOR VAC. TRUCK

DRUM DOLLY NEEDED: ☐ YES ☑ NO

SIZE:	2"
LOADING FROM (i.e. Tank):	FS TRUCK
SIZE OF FITTING:	2" OR FROM TOP
TYPE OF FITTING:	2-3 ADAPTOR

PALLET JACK NEEDED: ☐ YES ☑ NO

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☑ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☑ YES ☐ NO **IF YES, HOW MANY?** 2

EQUIPMENT NEEDED:

WXT. LADDER
2 PRESSURE WASHER
AIR MACHINE-FOR FIELD SERVICE WORK
5500GAL. VAC TRUCK FOR BULK SHIPMENT

EPAHO088002090

CES Environmental Services, Inc.

4804 Griggs Road
Houston, TX 77021
Tel: (713) 676-1400
Fax: (713) 676-1676

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/26/2008 Manifest # :

Hobas Pipe

Client : Ticket : 76770

Phone : 2817312743 Consignee : CES Environmental Services, Inc.

CES Environmental Services, Inc.

Transporter :

Signature X Signature

Leave CES Yard :	6:00 AM	Arrive At Destination :	
Arrive At Customer :	6:45 AM	Begin Unloading :	
Begin Loading :	7:00 AM	Finish Unloading :	
Finish Loading :	4:00 PM	Leave Destination :	
Leave Customer :	4:30 PM	Arrive At CES Yard :	515

Customer PO #:

Total Hours: 1125

CES Unload: ☐

Gross Weight :		Ending Odometer :	
Tare Weight :		Beginning Odometer :	
Net Weight :		Total Miles :	

Driver : Hernandez, Joe Tractor # : 108 Tote # :

Signature : J. Hernandez Trailer # : Box # :

Job Comments/Equipment : REMOVED FIBER GLASS SLUDGE AS DIRECTED FROM 2 TANK, 1 SUMP & INSIDE WAREHOSE. FILLED REX BOXES 276370, 276530. EQUIPMENT USED: 1 SEC OF 6" FLEX HOSE, 2 SEC. OF 4" REX HOSE 1 PRESSURE WASHER. TRK 108, TRK 105, TRK 103.

HERNANDEZ — LEADMAN
RAMIREZ
SOTO
GIBSON
MILTON

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002091

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver : Hernandez, Joe
Helper :
Date : 11/28/2008 Time : 0600
Truck # 108 Trailer #

Job Description :

Sludge removal as directed

Use CES boxes already on site

CONTACT WILL BE John 832-473-1628

NEED:
air machine
vac boxes (on site already)
pressure washers
300' of 4" flex hose
PPE -eye, fall, foot, hand, head, and body(clothing) protection
100' of hose
extension ladder

ID #: 76770

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	JOHN KILGORE	Name:	CELL PHONE
Close:	08:00 PM	Number:	(281) 821-2000	Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFTY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO **CUSTOMER OWNS BOX:** ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO **CUSTOMER RENTED BOX:** ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED: 150 FOR VAC. TRUCK

SIZE: 2"

DRUM DOLLY NEEDED: ☐ YES ☑ NO

PALLET JACK NEEDED: ☐ YES ☑ NO

LOADING FROM (i.e. Tank):

SIZE OF FITTING: 2" OR FROM TOP

TYPE OF FITTING: 2-3 ADAPTOR

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☑ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☑ YES ☐ NO **IF YES, HOW MANY?** 2

EQUIPMENT NEEDED:

EPAHO088002093

CES Environmental Services, Inc.

Transportation Work Ticket

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1380
Fax. (713) 678-1679

Folder No.: Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/19/2008 Manifest # :

Client : Hobas Pipe Ticket : 75757

Phone : 2817312111 Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature Pablo Gonzalez Signature Jack Gipson

Leave CES Yard :	6:00 AM	Arrive At Destination :	
Arrive At Customer :	6:45 AM	Begin Unloading :	
Begin Loading :	7:00 AM	Finish Unloading :	
Finish Loading :	4:00 pm	Leave Destination :	
Leave Customer :	4:30 pm	Arrive At CES Yard :	515

Customer PO #:

Total Hours: 11.25

CES Unload: ☐

Gross Weight :		Ending Odometer :	
Tare Weight :		Begining Odometer :	
Net Weight :		Total Miles :	

Driver : JACK Gipson Tractor # : 107 Tote # :

Signature : Jack Gipson Trailer # : Box # :

Job Comments/Equipment : Clean TANKS and sumps with pressure Washer

Hernandez

Soto

Ramirez Milton

Gipson

White (CES Office) Yellow (CES Office / billing) Pink (CES Office / IPTA) Golden Rod (Customer)

EPAHO088002094

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver Gipson Sacle
Helper : J. Ramirez , Milton
Date : 11/28/2008 Time : 0600
Truck # 107 Trailer #

Job Description :

Sludge removal as directed

Use CES boxes already on site

CONTACT WILL BE John 832-473-1628

NEED:
air machine
vac boxes (on site already)
pressure washers
300' of 4" flex hose
PPE -eye, fall, foot, hand, head, and body(clothing) protection
100' of hose
extension ladder

ID #: 76769

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	JOHN KILGORE	Name:	CELL PHONE
Close:	08:00 PM	Number:	(281) 821-2000	Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFTY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1676

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/29/2000

Manifest # :

Client : Hobas Pipe

Ticket : 76768

Phone : 2817312143

Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature Pablo Granell

Signature

Leave CES Yard :	6:15 AM	Arrive At Destination :	
Arrive At Customer :	7:00 AM	Begin Unloading :	
Begin Loading :	7:05 AM	Finish Unloading :	
Finish Loading :	4:00 PM	Leave Destination :	
Leave Customer :	4:30 PM	Arrive At CES Yard :	5:05 PM

Customer PO #:

Total Hours: 1075

CES Unload: ☐

Gross Weight :		Ending Odometer :	250169
Tare Weight :		Begining Odometer :	250120
Net Weight :		Total Miles :	49

Driver : Gipson, Jack

Tractor # : 105

Tote # :

Signature : Andres Soto

Trailer # :

Box # :

Job Comments/Equipment :

Cleaning 2 Tanks and The SUMP
1 pressure wahers – 200 FT. 4 hose – 100 FT 6 hose
Helpers – Milton – Gipson – Ramirez – Hernandes

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / FTA) Golden Rod (Customer)

EPAHO088002096

TZ 205

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD987973047	1	(281) 731-2113	004254931 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
Generator's Phone: (281) 731-2113
State ID: 20236

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston , TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc. State ID 30900 U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
Facility's Phone: (713) 676-1460
State ID 30900
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non DOT regulated wastewater	1	TT	3,000	G	00061191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal
CES Job # - 76777
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dr Philip Rich Signature: Month 11 Day 28 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Sergio Sanchezppo Signature: Month 11 Day 28 Year 08
Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H135			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Sam Brown Signature: Month 11 Day 28 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPAHO088002097

TZ 205

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD987973047	1	(281) 731-2113	004254931 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
Generator's Phone: (281) 731-2113
State ID 20236

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston, TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc. State ID 30900 U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
Facility's Phone: (713) 676-1460
State ID 30900
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	Non-RCRA/Non DOT regulated wastewater	1	TT	3900	G	D006 7191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal
CES Job # - 76777
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Philip Rich Signature: [signature] Month: 11 Day: 28 Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Sergio Sanchez Signature: [signature] Month: 11 Day: 28 Year: 08
Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H135			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Sam Brown Signature: [signature] Month: 11 Day: 28 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

EPAHO088002098

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/28/2008

Manifest # : 004254931

Client : Hobas Pipe & Philip Rick

Ticket : 76777

Phone : 2817312113

Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature : Sergio Sanfilippo

Signature :

Leave CES Yard :	0540	Arrive At Destination	
Arrive At Customer :	0644	Begin Unloading :	
Begin Loading :	0731	Finish Unloading :	945
Finish Loading :	0759	Leave Destination :	
Leave Customer :	0825	Arrive At CES Yard :	0843

Customer PO #:

Total Hours: 4.00

CES Unload: ☐

Gross Weight :		Ending Odometer :	152927
Tare Weight :		Begining Odometer :	152871
Net Weight :		Total Miles :	56

Driver : Sanfilippo, Sergio

Tractor # : 288

Tote # :

Signature :

Trailer # : 205

Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver : Sanfilippo, Sergio
Helper :
Date : 11/28/2008 Time : 0500
Truck # 288 Trailer # 205

Job Description :

Sludge removal as directed by Joe Hernandez

CONTACT WILL BE John 832-473-1628

Vac out pit as directed by john

NEED;
100' of hose

Haul load to CES

Note******* should be getting 2 loads total

ID #: 76777

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	JOHN KILGORE	Name:	CELL PHONE
Close:	08:00 PM	Number:	(281) 821-2000	Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFTY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 76777

Type of Material: Waste Water

Job Date: 11/28/2008

Bill of Lading #: 76777

Customer: Hobas Pipe

Gross Weight:

Tare Weight: **OR** **Total Gallons Shipped:** 3000

Net Weight:

Shipping Information

Carrier: CES Environmental Services, Inc.

Truck Number: 288

Trailer Number: 205

CES Laboratory Use Only

Specific Gravity:

Pounds per Gallon:

Temperature:

Total Gross Gallons: 3000

% Water 95%

% Solids 0

Total Net Gallons:

(minus water and solids)

Misc Notes:

load had sludge
total $.33/gal

Sample Analyst:

(signature)

Sample Analyst: Sam Brown **Date:** 11/28/2008

(206)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXD987973047
2. Page 1 of 1
3. Emergency Response Phone: (281) 731-2113
4. Manifest Tracking Number: 004254926 JJK

5. Generator's Name and Mailing Address: Hobas Pipe, 1413 Richey Road, Houston, TX 77073 — State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address): Hobas Pipe, 1413 Richey Road, Houston, TX 77073 — (281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc. — State ID 30900 — U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: CES Environmental Services, Inc., 4904 Griggs Rd., Houston TX, 77021 — State ID 30900 — U.S. EPA ID Number: TXD008950461
Facility's Phone: (713) 676-1460

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1 Non-RCRA/Non DOT regulated wastewater	1	TT	1800	G	00062191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID: Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal — CES Job # - 76776
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's Offeror's Printed/Typed Name: x Pablo Garamillo — Signature: x Pablo Garamillo — Month 11 Day 28 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Albert Hall — Signature: Albert Hall — Month 11 Day 28 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H135 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Sam Brown — Signature: [signature] — Month 11 Day 28 Year 08

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPAHO088002102

(206)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD987973047	1	(281) 731-2113	004254926 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston, TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc. State ID 30900 — U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
State ID 30900
Facility's Phone: (713) 676-1460
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non DOT regulated wastewater	1	TT	1800	G	0006 2191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal
CES Job # - 76776
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [signature] Signature: [signature] Month 11 Day 25 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Albert Hall Signature: [signature] Month 11 Day 28 Year 08

Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H135			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Sam Braden Signature: [signature] Month 11 Day 24 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

EPAHO088002103

CES Environmental Services, Inc.

6330 Griggs Road
Houston, TX 77021
Tel: (713) 678-4600
Fax: (713) 678-1678

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/29/2010 Manifest # :

Client : Hobas Pipe Ticket : 76776

Phone : 2817312443 Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature Pablo Paramillo Signature

Leave CES Yard :	0839	Arrive At Destination :	01050
Arrive At Customer :	0902	Begin Unloading :	01108
Begin Loading :	0904	Finish Unloading :	1150
Finish Loading :	0943	Leave Destination :	
Leave Customer :	01005	Arrive At CES Yard :	

Customer PO #:

Total Hours: 325

CES Unmast.

Gross Weight :		Ending Odometer :	96538
Tare Weight :		Beginning Odometer :	~~134183~~ 96475
Net Weight :		Total Miles :	

Driver : Hall, Albert Tractor # : 298 Tote # :

Signature : Al Hall Trailer # : 208 Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 76776

Type of Material: Waste Water

Job Date: 11/28/2008

Bill of Lading #: 76776

Customer: Hobas Pipe

Gross Weight:

Tare Weight:

Net Weight:

OR **Total Gallons Shipped:** 1800

Shipping Information

Carrier: CES Environmental Services, Inc.

Truck Number: 299

Trailer Number: 206

CES Laboratory Use Only

Specific Gravity:

Pounds per Gallon:

Temperature:

Total Gross Gallons: 1800

% Water 96%

% Solids 4%

Total Net Gallons:

(minus water and solids)

Misc Notes:

load had sludge
total $.33/gal

Sample Analyst: _____

(signature)

Sample Analyst: Sam Brown **Date:** 11/28/2008

#243

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXD987973047
2. Page 1 of: 1
3. Emergency Response Phone: (281) 731-2113
4. Manifest Tracking Number: 004254928 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston , TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc.
State ID 30900
U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
Facility's Phone: (713) 676-1460
State ID 30900
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non DOT regulated wastewater	1	TT	5,500	G	0006 2191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Profile ID: Hobas Pipe (Hobas Pipe Houston)
CES Job # - 75774
Pit Cleaning and Disposal
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Pablo Saramillo
Signature: X Pablo Saramillo
Month: 11 Day: 28 Year: 8

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Omar Sanchez
Signature: Sanchez
Month: 11 Day: 28 Year: 05

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H135			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SAM BROWN
Signature
Month: 11 Day: 28 Year: 05

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPAHO088002106

243

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD987973047	1	(281) 731-2113	004254928 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston, TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc. State ID 30900 U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4504 Griggs Rd.
Houston TX, 77021
Facility's Phone: (713) 676-1460
State ID 30900 U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	Non-RCRA/Non DOT regulated wastewater	1	TT	5,500	G	D006 2191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Hobas ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal
CES Job # - 76774
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Pablo Jaramillo Signature: X Pablo Jaramillo Month: 11 Day: 22 Year: 7

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Omar Sanchez Signature: O Sanchez Month: 11 Day: 22 Year: 07

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H135			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SAM Brown Signature: Sam R Month: 11 Day: 22 Year: 07

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

EPAHO088002107

CES Environmental Services, Inc.

9804 Griggs Road
Houston, TX 77021
Tel: (713) 678-1180
Fax: (713) 678-1678

Decontamination Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/22/2008 Manifest # : 4254928

Hobas Pipe

Client : Ticket : 35774

Phone : 2817922113 Consignee : CES Environmental Services, Inc.

CES Environmental Services, Inc.

Transporter :

Signature +Pablo Jaramillo Signature

Leave CES Yard :	6:30	Arrive At Destination :	1
Arrive At Customer :	7:05	Begin Unloading :	
Begin Loading :	8:30	Finish Unloading :	1100
Finish Loading :	9:00	Leave Destination :	
Leave Customer :	9:05	Arrive At CES Yard :	10:00

Customer PO #:

Total Hours: 4.50

CES Unload. ☐

Gross Weight :		Ending Odometer :	81534
Tare Weight :		Beginning Odometer :	88469
Net Weight :		Total Miles :	65

Driver : Sanchez, Omar Tractor # : 2000 Tote # :

Signature : Sanchez Trailer # : 243 Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Goldenrod (Customer)

EPAHO088002108

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver : Sanchez, Omar
Helper :
Date : 11/28/2008 Time : 0530
Truck # 2000 Trailer # 243

Job Description :

Sludge removal as directed by Joe Hernandez

CONTACT WILL BE John 832-473-1628

Vac out pit as directed by Ron

NEED;
100' of hose

Haul load to CES

Note******* should be getting 2 loads total

ID #: 76774

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	JOHN KILGORE	Name:	CELL PHONE
Close:	08:00 PM	Number:	(281) 821-2000	Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFTY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 76774

Type of Material: Waste Water

Job Date: 11/28/2008

Bill of Lading #: 76774

Customer: Hobas Pipe

Gross Weight:

Tare Weight: **OR** **Total Gallons Shipped:** 5500

Net Weight:

Shipping Information

Carrier: CES Environmental Services, Inc.

Truck Number: 2000

Trailer Number: 243

CES Laboratory Use Only

Specific Gravity:

Pounds per Gallon:

Temperature:

Total Gross Gallons: 5500

% Water 96%

% Solids 4%

Total Net Gallons:

(minus water and solids)

Misc Notes:

load had sludge
total $.33/gal

Sample Analyst:

(signature)

Sample Analyst: Sam Brown **Date:** 11/28/2008

#271

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXD987973047
2. Page 1 of 1
3. Emergency Response Phone: (281) 731-2113
4. Manifest Tracking Number: 004254923 JJK

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston, TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc. State ID 30900 U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
State ID 30900
Facility's Phone: (713) 676-1460
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1 Non-RCRA/Non DOT regulated wastewater	1	TT	5000	G	00062191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID: Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal
CES Job # - 76775
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Pablo Jaramillo Signature: X Pablo Jaramillo Month 11 Day 28 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: N. Berry Signature: N. Berry Month 11 Day 28 Year 08
Transporter 2 Printed/Typed Name: Signature: Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H135 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: SAM BROWN Signature: [signature] Month 11 Day 28 Year 08

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPAHO088002111

#271

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD987973047	1	(281) 731-2113	004254923 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston, TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc. State ID 30900 U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd
Houston TX, 77021
State ID 30900
Facility's Phone: (713) 676-1460
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	Non-RCRA/Non DOT regulated wastewater	1	TT	5000	G	0006 7191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID : Hobas Pipe (Hobas Pipe-Houston) CES Job # - 76775
Pit Cleaning and Disposal
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Jack Iannello Signature: [signature] Month 11 Day 27 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: D. Bell Signature: [signature] Month 11 Day 28 Year 08

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H135			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SAM BROWN Signature: [signature] Month 11 Day 28 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

EPAHO088002112

CES Environmental Services, Inc.

4804 Griggs Road
Houston, TX 77021
Tel: (713) 678-1160
Fax: (713) 678-1676

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/28/2008 Manifest # : 004234923

Hobas Pipe

Client : Ticket : 78775

Phone : 2817312713 Consignee : CES Environmental Services, Inc.

CES Environmental Services, Inc.

Transporter :

Signature : x Pablo Saramillo Signature

Leave CES Yard :	6:00	Arrive At Destination :	
Arrive At Customer :	6:45	Begin Unloading :	
Begin Loading :	7:30	Finish Unloading :	1000
Finish Loading :	8:00	Leave Destination :	
Leave Customer :	8:15	Arrive At CES Yard :	9:00

Customer PO #:

Total Hours: 4.00

CES Unload: ☐

Gross Weight :		Ending Odometer :	234276
Tare Weight :		Beginning Odometer :	234211
Net Weight :		Total Miles :	

Driver : Barry, Nash Tractor # : 287 Tote # :

Signature : B. Nash Trailer # : 271 Box # :

Job Comments/Equipment

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002113

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver : Berry, Noah
Helper :
Date : 11/28/2008 Time : 0500
Truck # 287 Trailer # 271

Job Description :

Sludge removal as directed by Joe Hernandez

CONTACT WILL BE John 832-473-1628

Vac out pit as directed by john

NEED;
100' of hose

Haul load to CES

Note******* should be getting 2 loads total

ID #: 76775

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	JOHN KILGORE	Name:	CELL PHONE
Close:	08:00 PM	Number:	(281) 821-2000	Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFTY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 76775

Type of Material: Waste Water

Job Date: 11/28/2008

Bill of Lading #: 76775

Customer: Hobas Pipe

Gross Weight:

Tare Weight: **OR** **Total Gallons Shipped:** 5000

Net Weight:

Shipping Information

Carrier: CES Environmental Services, Inc.

Truck Number: 287

Trailer Number: 271

CES Laboratory Use Only

Specific Gravity:

Pounds per Gallon:

Temperature:

Total Gross Gallons: 5000

% Water 94%

% Solids

Total Net Gallons:

(minus water and solids)

Misc Notes:

load had sludge
total $.33/gal

Sample Analyst:

(signature)

Sample Analyst: Sam Brown **Date:** 11/28/2008

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD987973047	1	(281) 731-2113	004254937 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston , TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc — State ID 30900 — U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
Facility's Phone: (713) 676-1460
State ID 30900
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non DOT regulated wastewater	1	TT	18	Y	0006 1191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal
CES Job # - 76772
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Jon Quarles for John Kilgore — Signature: X for J Kilgore — Month 11 Day 29 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jose Espinal — Signature — Month 11 Day 29 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SAM Brown — Signature — Month 11 Day 29 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPAHO088002116

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD987973047	1	(281) 731-2113	004254937 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston, TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc — State ID 30900 — U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
Facility's Phone: (713) 676-1460
State ID 30900 — U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Non-RCRA/Non DOT regulated wastewater	1	TT	18	Y	D006 2131
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Folder ID: Hobas Pipe (Hobas Pipe-Houston) — CES Job #: 76772
Pit Cleaning and Disposal
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Jon Quarles for John Kilgore — Signature: X Jon Quarles for J. Kilgore — Month 11 Day 29 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jose Espinal — Signature — Month 11 Day 29 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SAM Brown — Signature — Month 11 Day 29 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

EPAHO088002117

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel: (713) 678-1480
Fax: (713) 678-1618

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal

Date : 11/20/2009

Manifest # : 004254937

Client : Hobas Pipe
X Jon Quarles for John Kilgore

Ticket : 76772

Phone : 2817922143

Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc

Signature

Signature

Leave CES Yard :	1030	Arrive At Destination :	1:30
Arrive At Customer :	11:45	Begin Unloading :	
Begin Loading :	12:05	Finish Unloading :	
Finish Loading :	12:27	Leave Destination :	2:00
Leave Customer :	12:30	Arrive At CES Yard :	

Customer PO #:
M0611260S

Total Hours:
3.50

CES Unload: ☐

Gross Weight :		Ending Odometer :	334680
Tare Weight :		Beginning Odometer :	334609
Net Weight :		Total Miles :	71

Driver : Espinal, Jose

Tractor # : 276

Tote # : 33

Signature : Jose Espinal

Trailer # : 251

Box # : 276530

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002118

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver : Espinal, Jose
Helper :
Date : 11/29/2008 Time : 2nd
Truck # 276 Trailer # 251

Job Description :

1) p/u loaded box

2)Haul load to CES

Hobas contact is Pablo Jaramillo 281-900-2910

69
71
140

ID #: 76772

CUSTOMER INFORMATION

OPERATION HOURS:

Open :	08:00 AM
Close:	08:00 PM

SHIPPING/RECEIVING CONTACT:

Name:	Ron Gibbons
Number:	(281) 821-2000

AFTER HOURS CONTACT:

Name:	CELL PHONE
Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:

Open :	
Close:	

SHIPPING/RECEIVING CONTACT:

Name:	
Number:	

AFTER HOURS CONTACT:

Name:	
Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFETY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED: 150 FOR VAC. TRUCK

SIZE: 2"

DRUM DOLLY NEEDED: ☐ YES ☑ NO

PALLET JACK NEEDED: ☐ YES ☑ NO

LOADING FROM (i.e. Tank):

SIZE OF FITTING: 2" OR FROM TOP

TYPE OF FITTING: 2-3 ADAPTOR

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☑ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☑ YES ☐ NO **IF YES, HOW MANY?** 2

EQUIPMENT NEEDED:

EPAHO088002120

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 76772

Type of Material: wastewater

Job Date: 11/29/2008

Bill of Lading #:

Customer: Hobas Pipe

Gross Weight:

Tare Weight: **OR** **Total Gallons Shipped:** 3636

Net Weight:

Shipping Information

Carrier: CES Environmental Services, Inc.

Truck Number:

Trailer Number:

CES Laboratory Use Only

Specific Gravity:

Pounds per Gallon:

Temperature:

Total Gross Gallons:

% Water

% Solids

Total Net Gallons:

(minus water and solids)

Misc Notes:

High solids for non processable material
charge $0.45 per gallon

Sample Analyst:

(signature)

Sample Analyst: **Date:**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
TXD987973047	1	(281) 731-2113	004254941 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston , TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc — State ID 30900 — U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
Facility's Phone: (713) 676-1460
State ID 30900
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1 Non-RCRA/Non DOT regulated wastewater	1	TT	18	Y	00062131	
	2.						
	3.						
	4.						

14. Special Handling Instructions and Additional Information
Folder ID : Hobas Pipe (Hobas Pipe-Houston)
Pit Cleaning and Disposal
CES Job # - 76771
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Philip Rich — Signature: X [signature] — Month 11 Day 29 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jose E Espinal — Signature: [signature] — Month 11 Day 29 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: SAM Brown — Signature: [signature] — Month 11 Day 29 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

EPAHO088002122

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXD987973047
2. Page 1 of: 1
3. Emergency Response Phone: (281) 731-2113
4. Manifest Tracking Number: 004254941 JJK

GENERATOR

5. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
State ID: 20236
Generator's Phone: (281) 731-2113

Generator's Site Address (if different than mailing address)
Hobas Pipe
1413 Richey Road
Houston, TX 77073
(281) 731-2113

6. Transporter 1 Company Name: CES Environmental Services, Inc.
State ID 30900
U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston TX, 77021
State ID 30900
Facility's Phone: (713) 676-1460
U.S. EPA ID Number: TXD008950461

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	Non-RCRA/Non DOT regulated wastewater	1	TT	18	Y	D006 2191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Faker ID: Hobas Pipe (Hobas Pipe-Houston)
CES Job # - 76771
Pit Cleaning and Disposal
1) HOU-1982 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Philip Rick
Signature: X
Month: 11 Day: 29 Year: 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jose E Spinoza
Signature:
Month: 11 Day: 29 Year: 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Sam Brown
Signature:
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

EPAHO088002123

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 678-1480
Fax. (713) 678-1676

Transportation Work Ticket

Folder ID : Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Date : 11/29/2000

Manifest # : 004254941

Client : Hobas Pipe X Phil-Tice

Ticket : 75771

Phone : 2817312113

Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc

Signature

Signature

Leave CES Yard :	7:00	Arrive At Destination	9:30
Arrive At Customer :	8:15	Begin Unloading :	
Begin Loading :	8:22	Finish Unloading :	1030
Finish Loading :	8:27	Leave Destination :	
Leave Customer :	8:30	Arrive At CES Yard :	

Customer PO #: M08112609

Total Hours: 350

CES Unload: ☐

Gross Weight :		Ending Odometer :	334609
Tare Weight :		Begining Odometer :	334540
Net Weight :		Total Miles :	69

Driver : Espinal, Jose

Tractor # : 276

Tote # :

Signature : Jose Espinal

Trailer # : 251

Box # : 276370

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002124

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Hobas Pipe (Hobas Pipe-Houston) Pit Cleaning and Disposal

Customer : Hobas Pipe
Address : 1413 Richey Road
City,State,Zip : Houston TX , 77073
CES Contact : () -

Driver : Espinal, Jose
Helper :
Date : 11/29/2008 Time : 0600
Truck # 276 Trailer # 251

Job Description :

1) p/u loaded box

2)Haul load to CES

Hobas contact is Pablo Jaramillo 281-900-2910

ID #: 76771

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	Ron Gibbons	Name:	CELL PHONE
Close:	08:00 PM	Number:	(281) 821-2000	Number:	(281) 813-8449

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? FACE SHIELD,SAFETY GLASSES,HARD HAT,BOOTS, GOVES,TYVEC.

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☑ YES ☐ NO

ROPPER PUMP: ☐ YES ☑ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☑ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED: 150 FOR VAC. TRUCK

SIZE: 2"

DRUM DOLLY NEEDED: ☐ YES ☑ NO

PALLET JACK NEEDED: ☐ YES ☑ NO

LOADING FROM (i.e. Tank):

SIZE OF FITTING: 2" OR FROM TOP

TYPE OF FITTING: 2-3 ADAPTOR

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☑ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☑ YES ☐ NO **IF YES, HOW MANY?** 2

EQUIPMENT NEEDED:

EPAHO088002126

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Inbound Load Report

Job Number : 76771

Type of Material: wastewater

Job Date: 11/29/2008

Bill of Lading #:

Customer: Hobas Pipe

Gross Weight:

Tare Weight: **OR** **Total Gallons Shipped:** 3636

Net Weight:

Shipping Information

Carrier: CES Environmental Services, Inc.

Truck Number:

Trailer Number:

CES Laboratory Use Only

Specific Gravity:

Pounds per Gallon:

Temperature:

Total Gross Gallons:

% Water

% Solids

Total Net Gallons:

(minus water and solids)

Misc Notes:

High solids for non processable material
charge $0.45 per gallon

Sample Analyst:

(signature)

Sample Analyst: **Date:**

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713 676-1676

Fax Transmittal

Total Number of Pages (Including cover sheet): 25

Date: 12/12/03

To: John Kilgore
Ron Givens
281-821-7715

From: **Dan Bowman**
CES Environmental Services, Inc.
Mobile Phone: (713) 854-6150

Notes: Here is the info. you requested.
Please call me w/ any questions.

P.S. I will see you guys next Wednesday at ~ 10:00 A.M.
I would like to take you guys to lunch if you are open after the meeting.

Thanks

Dan Bowman

PPS I will see to it you get originals this time

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD987973047 | Manifest Document No. | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
HOBAS PIPE
1413 RICHEY RD
HOUSTON TX 77073
4. Generator's Phone (281) 781-2113

A. State Manifest Document Number: 02713134
B. State Generator's ID: 20236
C. State Transporter's ID: 305000-1460
D. Transporter's Phone: 713

5. Transporter 1 Company Name: CES ENVIRONMENTAL | 6. US EPA ID Number: TXD008952461
7. Transporter 2 Company Name | 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
U.S. LIQUIDS
230 GELITORN
HOUSTON, TX 77013
10. US EPA ID Number: N/A
G. State Facility's ID: H-2234
H. Facility's Phone: 713-675-2775

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. NON HAZARDOUS NON DOT WASTE WATER	1	TT	2000		00061991
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
021025

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Charles King | Signature | Month 10 | Day 11 | Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Steve Stricker | Signature | Month 10 | Day 11 | Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name | Signature | Month | Day | Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Scott Kim | Signature | Date Month 10 | Day 11 | Year 02

TNRCC-0311 (Rev. 07/01/97) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

EPAHO088002129

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD987973047 | Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073

4. Generator's Phone ( ) 281-731-2113

A. State Manifest Document Number: 02898208

B. State Generator's ID: 20236

5. Transporter 1 Company Name: CES Environmental Services, Inc.

6. US EPA ID Number: TXD008950461

C. State Transporter's ID: 30900

D. Transporter's Phone: 713-676-1460

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
US Liquids
250 Gellhorn Ave
Houston, TX 77013

10. US EPA ID Number: N/A

G. State Facility's ID: H2234

H. Facility's Phone: 713-673-2996

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. Non Hazardous, Not DOT Regulated Waste Water	1	CM	4500	G	00061191
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
Approval Number: 021025

K. Handling Codes for Wastes Listed Above: M091

15. Special Handling Instructions and Additional Information
Emergency Contact: Dan BOwman (713) 676-1460
TRUCK # 273 TRAILER # 207

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [illegible] | Signature: [signature] | Month Day Year: 1 4 1 2 02

17. Transporter 1 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: Joe Carrillo | Signature: [signature] | Month Day Year: 1 0 1 2 02

18. Transporter 2 Acknowledgement of Receipt of Materials | Date
Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | Date
Printed/Typed Name: Anthony Cutaia | Signature: [signature] | Month Day Year: 1 0 1 2 02

GENERATOR / TRANSPORTER / FACILITY

TNRCC-0311 (Rev. 07/01/97) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

EPAHO088002130

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TX0082073047 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Rd
Houston TX
4. Generator's Phone (281) 731-2113

A. State Manifest Document Number: 02713132
B. State Generator's ID: 20236

5. Transporter 1 Company Name: CES Environmental, Ser. | 6. US EPA ID Number: TXD008050461 | C. State Transporter's ID: 30900 | D. Transporter's Phone: 713-674-1460

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
U.S. Liquids
250 Bellhon Ave
Houston, TX 77013
10. US EPA ID Number: N/A

G. State Facility's ID: H2234
H. Facility's Phone: 713-673-2996

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. NON HAZARDOUS, NOT D.O.T. Regulated Waste Water	001	C/M	4500	G	D006191
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: APPROVAL # 021025

K. Handling Codes for Wastes Listed Above: M091

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR — Printed/Typed Name: Charles King | Signature | Month 10 Day 12 Year 02

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Joe Carrillo | Signature | Date: Month 10 Day 12 Year 02
18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name | Signature | Date: Month Day Year

FACILITY
19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Anthony Cuata | Signature | Date: Month 10 Day 12 Year 02

TNRCC-0311 (Rev. 07/01/97) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

EPAHO088002131

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD987973047 — Manifest Document No.

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073
4. Generator's Phone ( ) 281-731-2113

A. State Manifest Document Number: 02898196
B. State Generator's ID: 30235
C. State Transporter's ID: 30303
D. Transporter's Phone: 713-676-1460
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: H2254
H. Facility's Phone: 713-673-0096

5. Transporter 1 Company Name: CES Environmental Services, Inc
6. US EPA ID Number: TXD008050461
7. Transporter 2 Company Name:
8. US EPA ID Number:
9. Designated Facility Name and Site Address
US Liquids
250 Gellhorn Ave
Houston, TX 77013
10. US EPA ID Number: N/A

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. Non Hazardous, Not DOT Regulated Waste Water	1	C/M	4500	G	0006191
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
Approval Number: 021025

K. Handling Codes for Wastes Listed Above
M031

15. Special Handling Instructions and Additional Information
Emergency Contact: Dan Bowman (713) 675-1460
TRUCK # 273 TRAILER # 207

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Michael Simmons	Michael Simmons	10	15	02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year
Joe Carrillo	Joe Carrillo	10	15	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date: Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Date: Month	Day	Year
Adrienne Irish	Adrienne Irish	10	15	02

TNRCC-0311 (Rev. 07/01/97) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

EPAHO088002132

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD987973047 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
[redacted] Pipe
1413 Richey Road
Houston, TX 77073
4. Generator's Phone ( ) 281-731-2113

A. State Manifest Document Number: 02898193
B. State Generator's ID: 20236
C. State Transporter's ID: [redacted]
D. Transporter's Phone: 713-676-1460
E. State Transporter's ID:
F. Transporter's Phone:
G. State Facility's ID: [redacted] A85607
H. Facility's Phone: [redacted] 281-479-4210

5. Transporter 1 Company Name: CES Environmental Services, Inc. | 6. US EPA ID Number: TXD008950461
7. Transporter 2 Company Name | 8. US EPA ID Number

9. Designated Facility Name and Site Address | 10. US EPA ID Number
[redacted] InterguIF
[redacted] 10020 Bay Port Blvd TXR000031286
[redacted] Pasadena, TX 77507

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. Non Hazardous, Not DOT Regulated Waste Water	1	T/T	5400	G	00062191
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above: Approval Number:
K. Handling Codes for Wastes Listed Above: M091

15. Special Handling Instructions and Additional Information
Emergency Contact: Dan Bowman (713) 676-1460
TRUCK # 273 TRAILER # 206

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name: Charles King | Signature | Month 10 Day 10 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Joe Carrillo | Signature | Date: Month 10 Day 10 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Roberto Gomez | Signature | Date: Month 10 Day 10 Year 02

TNRCC-0311 (Rev. 07/01/97) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

EPAHO088002133

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: TXD987973047
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Hobas Pipe
1413 Richey Road
Houston, TX 77073

4. Generator's Phone ( ) 281-731-2113

A. State Manifest Document Number: 02898194
B. State Generator's ID: 20236

5. Transporter 1 Company Name: CES Environmental Services, Inc.
6. US EPA ID Number: TXD008950461
C. State Transporter's ID: 30900
D. Transporter's Phone: 713-676-1460

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
INTERGULF
10.02 Bayport BL.
PASADENA, TX 77507
10. US EPA ID Number: TXR000031286
G. State Facility's ID: A85602
H. Facility's Phone: 281-474-4210

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. Non Hazardous, Not DOT Regulated Waste Water	1	T/T	5400	G	0061191
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
Approval Number:

K. Handling Codes for Wastes Listed Above
M091

15. Special Handling Instructions and Additional Information
Emergency Contact: Dan BOwman (713) 676-1460
TRUCK # 273 TRAILER # 205

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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Printed/Typed Name: Charles Kins
Signature:
Month 10 Day 10 Year 02

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Joe Caprillo
Signature:
Date: Month 10 Day 10 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Jaime Quintanilla
Signature:
Date: Month 10 Day 10 Year 02

GENERATOR / TRANSPORTER / FACILITY

TNRCC-0311 (Rev. 07/01/97) White - original Pink-TSD Facility Yellow-Transporter Green-Generator's first copy

EPAHO088002134

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
P.O. Box 13087
Austin, Texas 78711-3087

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. TXD987973047 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Hobbs Pipe
1413 Richey Road
Houston, TX 77073
4. Generator's Phone ( ) 281-731-2113

A. State Manifest Document Number: 02898204
B. State Generator's ID: 20236

5. Transporter 1 Company Name: CES Environmental Services, Inc.
6. US EPA ID Number: TXD008950481
C. State Transporter's ID: 30900
D. Transporter's Phone: 713-676-1460

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Intergulf
10020 Bay Port Blvd.
Pasadena, TX 77507
10. US EPA ID Number: TXR000031286
G. State Facility's ID: AB5002
H. Facility's Phone: 281-474-4210

11A. HM	11. US DOT Description (including Proper Shipping Name, Hazard Class, ID Number and Packing Group)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
	a. Non Hazardous, Not DOT Regulated Waste Water	1	T/T	5400	G	D006/D011
	b.					
	c.					
	d.					

J. Additional Descriptions for Materials Listed Above
Approval Number

K. Handling Codes for Wastes Listed Above
M031

15. Special Handling Instructions and Additional Information
Emergency Contact: Dan BOwman (713) 676-1460
TRUCK # 273 TRAILER # 205

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packaged, marked, and labelled/placarded, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations.
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GENERATOR

Printed/Typed Name | Signature | Month 10 Day 11 Year 02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Joe Parra II | Signature | Date: Month 10 Day 11 Year 02

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: James Quintanilla | Signature | Date: Month 10 Day 11 Year 02

TNRCC-0311 (Rev. 07/01/97) White - original Pink - TSD Facility Yellow - Transporter Green - Generator's first copy

EPAHO088002135

SAFETY MEETING ROSTER

DATE: 9/26/03 TIME: 5:15 / 6:30

PRINT YOUR NAME & DEPARTMENT		ESCRIBA SU NOMBRE Y DEPARTAMENTO MANUSC	
Armando Rodriguez	DEPT Tank wash	25.	DEPT
Ramiro Jaquez	DEPT " "	26.	DEPT
Raymundo Jarabo	DEPT " "	27.	DEPT
Carlos Alberto Aguilar	DEPT " "	28.	DEPT
Jesus Lara	DEPT " "	29.	DEPT
Third Coyt	DEPT " "	30.	DEPT
SEAN EASTON	DEPT Sales	31.	DEPT
Matt Bowman	DEPT Sales	32.	DEPT
Paul Bowman	DEPT All	33.	DEPT
JOE CARRILLO	DEPT Shop.	34.	DEPT
David Vanderbeek	DEPT Driver	35.	DEPT
Brent Sitteg	DEPT Driver	36.	DEPT
JUAN MENDOZA	DEPT DRIVER	37.	DEPT
LOREN THOMAS	DEPT DRIVER	38.	DEPT
James Pharris	DEPT washrack	39.	DEPT
Bobby Bosford	DEPT Washrack	40.	DEPT
PETER SEMIEN	DEPT DRIVER	41.	DEPT
Cal Crawford	DEPT Driver	42.	DEPT
ADAN PADRON	DEPT	43.	DEPT
ROLANDO MORALES	DEPT DRIVER	44.	DEPT
[illegible]	DEPT Operator	45.	DEPT
	DEPT	46.	DEPT
	DEPT	47.	DEPT
	DEPT	48.	DEPT

E OF MEETING: TOOL BOX ( ) SUPERVISORY ( ) COMBINED ( )

DUCTED BY: Dan Bowman INTERPRETER: Jessie Lara

MENTS/RECOMMENDATIONS:

)OUT(S): Confined Space Entry Entrant Attendant, Supervisory rescue

D(S): Keller Confind Space Entry / Test

SAFETY MTG'S ON IN EXCEL

EPAHO088002136

SAFETY MEETING ROSTER

ATE: 5/9/03 TIME: 6:00 P.M.

PRINT YOUR NAME & DEPARTMENT		ESCRIBA SU NOMBRE Y DEPARTAMENTO MANUSCRIT	
Joe Cabrera	DEPT	25.	DEPT
Irwin Woodard	DEPT	26.	DEPT
LOREN THOMAS	DEPT	27.	DEPT
Juan Mendoza	DEPT	28.	DEPT
David Vandenberg	DEPT	29.	DEPT
Steve Stricker	DEPT	30.	DEPT
ROLANDO MORALES	DEPT	31.	DEPT
JAIME LOYA	DEPT	32.	DEPT
Raymundo Tombio	DEPT	33.	DEPT
Ramirez Joaquin	DEPT	34.	DEPT
Armando Rodriguez	DEPT	35.	DEPT
Jose C. Ramirez	DEPT	36.	DEPT
Adan Padron	DEPT	37.	DEPT
Jesus Lara	DEPT	38.	DEPT
[illegible]	DEPT	39.	DEPT
Brent Sittig	DEPT	40.	DEPT
Carl Crawford	DEPT	41.	DEPT
Peter Jones	DEPT	42.	DEPT
Matt Bowen	DEPT	43.	DEPT
[illegible]	DEPT	44.	DEPT
[illegible]	DEPT	45.	DEPT
	DEPT	46.	DEPT
	DEPT	47.	DEPT
	DEPT	48.	DEPT

PE OF MEETING: TOOL BOX ( ) SUPERVISORY ( ) COMBINED ( )

NDUCTED BY: Sean Easton / Dan Bowen INTERPRETER:

MMENTS/RECOMMENDATIONS: Tank Wash - Pollution Control } Respirator

NDOUT(S): All Drivers - Hours of Service A } Fit Test

EO(S): None } Respirator Use, Fit test, Cleaning → Ans (How to Clean)

SAFETY MTG SIGN IN, EXCEL

EPAHO088002137

SAFETY MEETING ROSTER

DATE: 4/4/03 TIME: 6-9 P.M

PRINT YOUR NAME & DEPARTMENT		ESCRIBA SU NOMBRE Y DEPARTAMENTO MANUSCRIT	
Jesus Lara	DEPT Wash Rack	25.	DEPT
Raymundo Tambio	DEPT TANK wash	26.	DEPT
Adan Padron	DEPT LAbor	27.	DEPT
Jaime Loya	DEPT TANK WASH	28.	DEPT
Ramirez Joaquin	DEPT tank wash	29.	DEPT
Armando Rodriguez	DEPT wash Rack	30.	DEPT
Jose C Ramirez	DEPT Labor	31.	DEPT
Bobby Boston	DEPT	32.	DEPT
LUREN THOMAS	DEPT	33.	DEPT
David Vandenberg	DEPT Driver	34.	DEPT
Brent Sittig	DEPT Driver	35.	DEPT
Peter Semiengo	DEPT DRIVER	36.	DEPT
Joe Capritto	DEPT Yard Dog	37.	DEPT
Carl Crawford	DEPT Driver	38.	DEPT
Juan Mendoza	DEPT DRIVER	39.	DEPT
Steve Stricker	DEPT	40.	DEPT
Rolando Morales	DEPT	41.	DEPT
Matt Bowman	DEPT	42.	DEPT
SEAN EASTON	DEPT	43.	DEPT
	DEPT	44.	DEPT
	DEPT	45.	DEPT
	DEPT	46.	DEPT
	DEPT	47.	DEPT
	DEPT	48.	DEPT

PE OF MEETING: TOOL BOX ( ) SUPERVISORY ( ) COMBINED ( )

NDUCTED BY: Thomas Alcantar Matt Dom Bowman INTERPRETER:

MMENTS/RECOMMENDATIONS: PPE

NDOUT(S): Test

EO(S): Keller PPE Video & instruction Manual (1 1/2 hrs)

SAFETY MTG SIGN IN. EXCEL

EPAHO088002138

SAFETY MEETING ROSTER

DATE: 2/28/03 TIME: 5:30 P.M.

PRINT YOUR NAME & DEPARTMENT		ESCRIBA SU NOMBRE Y DEPARTAMENTO MANUSCRITO	
1. Dan Bowman	DEPT Office	25.	DEPT
2. Jesus Lara	DEPT Wash Rack	26.	DEPT
3. Raymundo Tambio	DEPT wash Rack	27.	DEPT
4. Rolando Morales	DEPT DRIVER	28.	DEPT
5. Ramirez Jocquin	DEPT wash Rack	29.	DEPT
6. Armando Rodriguez	DEPT wash Rack	30.	DEPT
7. Jose C. Ramirez	DEPT Field	31.	DEPT
8. Adan Padron	DEPT Field	32.	DEPT
9. Joe Carrillo	DEPT Shop	33.	DEPT
10. Juan Mendoza	DEPT DRIVER	34.	DEPT
11. David Vandenberg	DEPT Driver	35.	DEPT
12. LOREN THOMAS	DEPT SHOP	36.	DEPT
13. Brent Sittig	DEPT Driver	37.	DEPT
14. Jaime Joya	DEPT WASH RACK	38.	DEPT
15. SEAN EASTON	DEPT	39.	DEPT
16. Matt Bowman	DEPT	40.	DEPT
17. Steve Stricker	DEPT	41.	DEPT
18.	DEPT	42.	DEPT
19.	DEPT	43.	DEPT
20.	DEPT	44.	DEPT
21.	DEPT	45.	DEPT
22.	DEPT	46.	DEPT
23.	DEPT	47.	DEPT
24.	DEPT	48.	DEPT

TYPE OF MEETING: Matt TOOL BOX ( ) SUPERVISORY ( ) COMBINED ( )

CONDUCTED BY: Dan / Jessie (Esp) Thomas Alcantar INTERPRETER: →

COMMENTS/RECOMMENDATIONS: Haz Com

HANDOUT(S): Hazardous Comm Test 25 Lvs

VIDEO(S): Keller Haz-Com Video & Instruction Book

SAFETY MTG SIGN IN, EXCEL

EPAHO088002139

SECTION VI

CONFINED SPACE ENTRY PROGRAM
29CFRPart 1910.146

A. PURPOSE

1. This program will establish a system for evaluating Confined Spaces to determine acceptable entry conditions, designate appropriate protective equipment, outline emergency procedures, and establish training requirements for personnel who may enter Confined Spaces, authorize or supervise such entry, or monitor entrants and associated conditions.

2. A Confined Space is ANY workspace that meets ANY of the following criteria:

   a) Large enough and designed in such a manner that will enable a worker to enter and perform work.
   b) Has a limited means of entry and exit.
   c) Is not designed for continuous occupancy.

3. Furthermore, this policy specifically addresses entry into Confined Spaces which:

   a) Contain or may contain a hazardous atmosphere.
   b) Contain the potential for engulfment by loose particles.
   c) Have an internal design that may cause containment of a worker by inwardly converging walls or flooring that slopes downward.
   d) Contain any other recognized safety or health hazards.

4. Before entering any Confined Space a CES Confined Space Entry Form must be completed. If the customer issues an Entry Permit, in accordance with their own facility policies and procedures, the CES Confined Space Entry Form serves as a Parallel Verification that acceptable entry conditions exist.

   Although most Confined Space work will occur at a customer's site, each CES location must survey their office/shop location to determine the presence of any Confined Spaces, whether fixed or mobile. However, if such Confined Spaces do not meet the criteria specified in Section A.3 "a" through "d" above, certain provisions of this policy, such as the requirement for atmospheric testing or the requirement for an attendant, may be waived at the discretion of CES Management. (Note: If requirements are waived, the Confined Space must meet the OSHA criteria for a non-permit required Confined Space.)

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B. ENTRY PERMITS AND THE CES CONFINED SPACE ENTRY FORM

1. For the purposes of these instructions, the CES Confined Space Entry Form may be referred to as a "Permit", even though the specific Confined Space may not require a permit under applicable federal and state regulations or even though the CES form may be serving as a Parallel Verification as stated above.

   a) A Confined Space Entry Permit must be issued **prior** to entry into ANY Confined Space at any location or job site. It will serve as either a Stand Alone Permit or as Parallel Verification of the Entry Permit issued by the customer.

   b) The Confined Space Entry Permit will be signed by all parties involved only after the requirements of the permit have been met and all applicable blanks have been checked off, filled in, or indicated as Not Applicable.

   c) The permit will contain the signatures of the attendant(s) and all authorized entrants who enter the Confined Space. These signatures acknowledge that all personnel have reviewed the permit requirements, test results, and rescue planning prior to starting the job. The signatures also certify that all preparations, atmospheric testing and related calibrations have been completed and all specified protective equipment is on site and will be used.

   d) Confined Space Entry Permits are issued to a single, specific job site and are valid for only one work shift, at the end of which a new permit must be issued, if work is to be continued in the Confined Space.

   e) Additional permits, such as but not limited to, Hot Work or Lockout/Tagout should be attached to the Confined Space Entry Permit. Also, any Material Safety Data Sheets relating to the contents of the space or other chemicals in the work area should be included with the Entry Permit.

2. All permits will be posted in a conspicuous place, close to the entrance of the Confined Space and must remain at the work site until the job is complete and all personnel are out of the Confined Space.

4. All completed CES Confined Space Entry forms shall be retained for at least three years.

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C. PREPARATION

Review Confined Space With Customer

1. The Entry Supervisor (or Project Supervisor) shall:

   a) Obtain any available information regarding the Confined Space and entry procedures from the customer for each particular space to be entered, including physical, respiratory, and other hazards identified by the customer. Also, the customer's prior experience with the space shall be reviewed.

   b) Coordinate entry operations with the customer, including precautions or procedures implemented for the protection of personnel in or near the Confined Space.

   c) Inform the customer of the CES Confined Space Entry procedures and requirements.

   d) Inform the customer of any hazards confronted or created during the course of the work.

2. Isolation of the Space

   a) ALL energy sources that are potentially hazardous to workers in the space, must be secured, relieved, disconnected or restrained. Energy Sources include:
      (i) Electrical
      (ii) Mechanical
      (iii) Hydraulic
      (iv) Pneumatic
      (v) Chemical
      (vi) Thermal
      (vii) Gravity

   b) The objective is to identify and isolate these energy sources to a Zero Energy State. Consideration should be given to the following items:

      (i) Make sure all connecting supply lines have been depressurized, vented and disconnected with a blind inserted into the line. Blinds or blanks shall be sized for the proper pressure and diameter.

      (ii) Closed single valves are prohibited. Double blocks with bleeder valves open and both valves locked in the closed position and tagged are permissible.

      (iii) Make sure all electrical components have been de- energized and locks and tags are in place. Group lockout procedures shall be used for all authorized entrants. Test system by activating start/stop switches.

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(iv) Make sure all hydraulic and pneumatic systems are deactivated and mechanical components are blocked or supported in place.

(v) Allow all heated or steamed spaces to cool to an acceptable temperature before entry. Special administrative procedures or personal protective equipment must be used to address temperature extremes over 100 degrees or less than 50 degrees Fahrenheit.

(vi) Initial steaming, cleaning, or washing of the space shall be done from the outside, if at all possible.

D. ATMOSPHERIC TESTING

1. Before entry, it is necessary to evaluate the atmosphere in the Confined Space for oxygen level, flammability, temperature extremes, and/or any contaminants that may be present or are potentially present in the Confined Space. A qualified person using equipment that has been approved for use in such areas must do this evaluation or testing. All atmospheric testing equipment must be calibrated regularly per manufacturers instructions and field calibrated in a clean, ventilated environment prior to each use.

2. Testing of the Confined Space should be done throughout the entire portion of the space that workers will occupy during entry. Ventilation of the Confined Space may be temporarily discontinued during atmospheric testing to provide "worst case" data on the atmosphere in the space.

3. Atmospheric test samples shall be taken at different levels, if stratification of gases or vapors is possible.

4. Atmospheric tests are always performed in the following order: Oxygen Level, Lower Explosive Limit or LEL, then known or suspected toxins or other physical and/or health hazards.

5. If test results show that the atmosphere of the Confined Space is unacceptable, entry is prohibited, until conditions are brought to acceptable levels by purging, cleaning, or ventilating the space. No entry will be made when the oxygen level is over 23.5% or if the LEL reading is over 10%. Oxygen levels less than 19.5% are considered immediately dangerous to life and health (IDLH) and requires maximum respiratory protection, if entry is necessary.

6. A qualified person shall determine the frequency of periodic re-testing of the atmosphere. The entry permit shall be canceled and reevaluated if subsequent tests show changes (up or down) of 2% or greater in oxygen or LEL readings.

7. Continuous atmospheric monitoring shall be used if rapid atmospheric changes are possible or anticipated, or if the space cannot be isolated, such as a sewer or tunnel system.

8. Should the Confined Space be abandoned for more than one (1) hour, the atmosphere must be retested prior to resuming the work.

E. PROTECTIVE EQUIPMENT

There are two categories of protective equipment used for Confined Space Entry: Operational and Personal.

1. Operational Protective Equipment is used to secure the worksite and to address general hazards in the Confined Space and/or adjacent work areas. Examples include:
   a) Warning signs
   b) Barricade tape or cones
   c) Ventilation equipment
   d) Fire protection equipment
   e) Ground fault circuit interrupters
   f) Lighting rated for hazardous locations
   g) Grounding or bonding equipment
   h) Ladders, scaffolding, or work platforms

2. Required operational protective equipment shall be noted on the Entry Permit. All Confined Space jobs shall be barricaded to provide a clear work area and to keep unauthorized personnel out. All portable electrical equipment must be equipped with a ground fault circuit interrupter (GFCI). All interior or entryway lighting must be rated for use in hazardous locations (e.g., low voltage, explosion-proof lighting or IIOV explosion-proof lighting equipped with a GFCI or air driven lights) if flammable or explosive atmospheres are possible.

3. Any equipment, which could generate a static charge, must be adequately grounded and bonded (Examples: hydroblasters, steam machines, hose nozzles, vacuum trucks, air movers, etc.).

4. Ladders, scaffolding and work platforms must be properly erected and secured for use.

5. Personal Protective Equipment (PPE) which may be required for Confined Space Entry includes, but is not limited to:
   a) Airline Respirator (Supplied Air)
   b) Self-Contained Breathing Apparatus
   c) Other Specified Respirators
   d) Gloves
   e) Rain Gear
   f) Boots
   g) Hearing Protection
   h) Safety Glasses
   i) Fall Protection/Arresting Equipment
   j) Chemical Splash Goggles

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6. Required personal protective equipment shall be determined by a qualified person and specified on the Entry Permit for all Authorized Entrants, Attendants, and potential rescue personnel. Consideration must be given to dusts, vapors, mists, fumes, oxygen deficiency, corrosive materials, flying objects, high noise levels, slippery footing, temperature extremes, and other known or suspected hazards. Vertical entries over four (4) feet may require special fall arresting and retrieval equipment.

7. Personnel using respiratory protective equipment must be trained and medically approved. Workers using impervious clothing such as rain gear (slicker suits) must be carefully monitored for heat stress.

8. All employees entering the Confined Space must be equipped with the proper PPE. Under no circumstances will entry into a Confined Space take place until all protective equipment is in place and checked.

F. COMMUNICATION AND EMERGENCY ACTION

1. The Attendant(s) must be able to communicate with entry personnel at all times. Options for communication methods include:
   a) Radio Communication
   b) Rope Signals
   c) Visual Hand Signals
   d) Sound (Voice)
   e) Tactile (Touching)
   f) Other Communication Methods

2. The Attendant must also be able to initiate rescue procedures if necessary. The emergency phone number must be boldly written in the box on the Confined Space Entry Form. Notification of a Confined Space Entry emergency shall be made to the responsible person or supervisor of the work unit in which the entry is being made in addition to the designated rescue team.

3. A rescue team must be designated for all Confined Space Entry operations. The rescue team may be CES personnel, host employer personnel, an outside rescue service, or any combination therein. The key is to be prepared to initiate rescue/retrieval operations and administer first aid or CPR if necessary.

4. Rescue action is best taken from outside the Confined Space utilizing retrieval equipment. A mechanical means of retrieval shall be provided for any vertical entry of more than 4 feet.

5. Every entry requires the use of a full body harness and lifeline. If conditions exist which create a hazard by using the lifeline, approval to use only the full body harness not continuously attached to a lifeline must be obtained from CES Management.

6. If Confined Space Entry personnel are exposed to substances that have Material Safety Data sheets (MSDS), these MSDS must be maintained with the permit and made available to medical personnel in the event of an injury involving exposure to that substance. If no MSDS is available for a particular waste stream or blended product, a waste profile or chemical analysis should be requested from the client.

7. All emergency procedures, including procedures relating to emergencies outside of the Confined Space, shall be reviewed with all entrants, attendants, and other related personnel prior to entry. Required rescue equipment shall be specified on the Confined Space Entry form. Never allow a person into a Confined Space until all participants know the procedure to get that person out in the event of an emergency.

G. DUTIES OF CONFINED SPACE PARTICIPANTS

1. CES Entry Supervisor

The Entry Supervisor is the person responsible for determining if acceptable entry conditions are present at a Confined Space where entry is planned, for overseeing entry operations, and for terminating entry. The Entry Supervisor serves as a liaison between the entry personnel and the customer representative or the Project Supervisor. An Entry Supervisor may also serve as an Attendant or as an Authorized Entrant as long as that person is trained and equipped as required for each role they fill. Also, the duties of the Entry Supervisor may be passed from one individual to another during the course of an entry operation. The duties of an Entry Supervisor are as follows:

a) Post a "Do Not Enter" tag at the entrance to the Confined Space upon initial arrival at the job site. This tag must remain in place until acceptable entry conditions are established and an Entry Permit is issued.

b) Know the hazards that may be faced during entry, including information on the mode, signs or symptoms, and consequences of over-exposure to any hazard (respiratory or physical) that may be encountered.

c) Verify by checking that the appropriate entries have been made on the permit, that all tests specified by the permit have been conducted, and that all procedures and equipment specified by the permit are in place before signing the permit and allowing entry to begin.

d) Ensure that acceptable entry conditions are maintained throughout the duration of the permit, including periodic updates of atmospheric testing, if necessary.

e) Post the completed and signed Confined Space Entry Form in a conspicuous place, close to the entrance of the Confined Space.

f) Terminate the entry and cancel the permit when either the entry operations covered by the permit have been completed or a condition that is not allowed under the permit arises in or near the Confined Space, such as a plant emergency (fire, gas release, etc.). If unsafe conditions arise within the Confined Space, "Do Not Enter" tags must be reattached to the entryway.

g) Verify that rescue services are available and that the means for summoning them are operable.

h) Make sure all participants who are actually taking part in the entry have completed the required training for Confined Space Entry, Respiratory Protection, Hazard Communication, and/or other related subjects.

i) Ensure that a properly completed and executed Entry Permit is obtained from the customer, if required by prevailing plant rules.

2. Attendant

The Attendant is an individual who is stationed outside the Confined Space who monitors the authorized entrants and performs the following duties:

a) Know the hazards that may be faced during entry, including information on the mode, signs or symptoms, and consequences of over-exposure to any hazard (respiratory or physical) that may be encountered. Also, the attendant must be able to recognize possible behavioral effects of hazard exposure in Authorized Entrants.

b) Continuously maintain an accurate count of Authorized Entrants and ensures that the Entrant Roster is maintained on the permit. Also, the Attendant must ensure that means used to identify Authorized Entrants accurately identifies who is in the Confined Space.

c) Know and understand the chosen means of communication (radio, hand signals, rope signals, etc.), including emergency signals.

d) Communicate with Authorized Entrants as necessary to monitor Entrant status and order Entrants out of the Confined Space at the first indication of any of the following:

(i) A condition or set of conditions whose hazard potential exceeds the limits authorized by the entry permit.

(ii) An unexpected hazard.

(iii) A toxic reaction which might be recognized by observing unusual action or behavior by the Authorized Entrants performing work inside the Confined Space.

(iv) A situation outside the Confined Space that could pose a hazard to the Entrants inside the space.

(v) If the Attendant cannot effectively and safely perform all the required duties.

e) Remain outside the Confined Space during entry operations until relieved by another Attendant. Never enter the Confined Space, even if you see a problem. Do not leave except to save your own life. If you must leave, order the Authorized Entrants to leave the Confined Space.

f) Summon rescue and/or other emergency services as soon as the Attendant determines that Authorized Entrants may need assistance to escape from Confined Space hazards. The Attendants primary duty in the event of an emergency is to summon help.

g) Keep unauthorized persons away from the entry space and do not allow anyone not listed on the Entry Roster to enter the Confined Space.

h) Perform a non-entry rescue, if necessary.

i) Perform no other duties that might interfere with the Attendant's primary duty to monitor and protect the Authorized Entrants.

3. Authorized Entrants

An Authorized Entrant is a person who is authorized to enter the Confined Space. The duties of an Authorized Entrant are:

a) Know the hazards that may be faced during entry, including information on the mode, signs or symptoms, and consequences of over-exposure to any hazard (respiratory or physical) that may be encountered.

b) Know the proper use and limitations of all required personal protective equipment and use this equipment while entering and working in the space.

c) Communicate with the Attendant as necessary to enable the Attendant to monitor Entrant status and to enable the Attendant to alert Entrants of the need to evacuate the Confined Space immediately under any of the following conditions:
   (i) A condition or set of conditions whose hazard potential exceeds the limits authorized by the entry permit.
   (ii) An unexpected hazard.

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(iii) A toxic reaction which might be recognized by observing unusual action or behavior by the Authorized Entrants performing work inside the Confined Space.
(iv) A situation outside the Confined Space that could pose a hazard to the Authorized Entrants inside the space.
(v) If the Attendant cannot effectively and safely perform all the required duties.

d) Alert the Attendant whenever the Entrant recognizes any warning sign or symptom of over-exposure or detects a condition prohibited by the permit.

e) Know and understand the chosen means of communication (radio, hand signals, rope signals, etc.), including emergency signals.

f) Exit the Confined Space as quickly as possible whenever:

(i) An order to evacuate is given by the Attendant or the Entry Supervisor.
(ii) An Authorized Entrant recognizes any warning sign or symptom of over exposure.
(iii) An Authorized Entrant detects a prohibited condition.
(iv) An evacuation alarm is activated.

H. TRAINING

1. All participants involved in a Confined Space Entry shall successfully complete a formal Confined Space training session before they are allowed to enter a Confined Space or take part in any portion of this activity.

2. Training content shall include the following:
a) A review of this Confined Space Entry Program

b) A review of the CES Confined Space Entry Form and related instructions

c) The general duties of Authorized Entrants, Attendants, and Entry Supervisors

d) A demonstration of the proper use atmospheric testing equipment and rescue equipment

e) A test to establish proficiency in the covered material

f) The above requirements may also be met via documented HazWoper Training or monthly safety meetings.

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3. In addition to specific Confined Space Entry training, personnel involved in Confined Space operations shall successfully complete Hazard Communication Training and Respiratory Protection Training.

4. Refresher training shall be completed on an annual basis (or as necessary) to ensure proficiency with this program. This training may be conducted in conjunction with other refresher training (such as the OSHA 8 hour HazWoper update).

5. Personnel who use atmospheric testing shall be trained in the proper use of the equipment in accordance with the manufacturer's instructions. This training shall, as a minimum, cover the following:

   a) Limitations of the equipment
   b) Calibration
   c) Maintenance

6. If CES is providing personnel who may enter Confined Spaces to perform rescue operations, these individuals must have specific training, including but not limited to the following:

   a) The proper use of personal protective equipment and rescue equipment necessary for conducting rescues from Confined Spaces.
   b) The rescue team members shall practice making a Confined Space rescue at least once every twelve months by means of simulated rescue operations in which they remove dummies, mannequins, or actual persons from a representative Confined Space. A representative Confined Space shall, with respect to opening size, configuration, and accessibility, simulate the types of Confined Spaces from which rescues are to be performed.

   c) Each member of the rescue team shall be trained as Authorized Entrants and in basic first-aid and cardiopulmonary resuscitation (CPR). At least one member of the rescue team must hold current certification in first-aid and CPR at each Confined Space Entry worksite.

7. All training shall be documented and records shall be kept on file. It must be available for review for all Confined Space participants.

CONFINED SPACE ENTRY PERMIT

☐ Parallel Verification ☐ Stand Alone **VALID FOR ONE SHIFT ONLY**

Date and Time Issued: _____ Date and Time Expires: _____

Jobsite/Space ID: _____ Job Supervisor: _____

Equipment to be worked on: _____ Work to be performed: _____

Standby Personnel: _____, _____, _____

MSDS ☐ YES ☐ NO Chemical(s) Involved: _____

Hazards ☐ Flammable ☐ Corrosive ☐ Reactive ☐ Toxic ☐ Temperature > 100 or < 50 ☐ Engulfment

1. **Atmospheric Checks:** Time _____AM/PM Oxygen _____%
   Explosive_____%LEL Toxic _____PPM

Continuous Monitoring Instrument _____ Serial # _____

Calibration Date_____ Tester's Signature _____

2. **Source Isolation:** Pumps or lines blinded? ☐ Yes ☐ No Disconnected or blocked? ☐ Yes ☐ No
Note: All LOTO procedures must be followed.

3. **Ventilation Modification:** Mechanical Fan or Blower? ☐ Yes ☐ No Natural Ventilation Only ☐ Yes ☐ No

4. **Atmospheric check after isolation and ventilation:** Time _____AM/PM Oxygen _____%
   Explosive_____%LEL Toxic _____PPM

Tester's Signature: _____

5. **Communication procedures:** ☐ Radio ☐ Rope ☐ Sound ☐ Tactile ☐ Visual hand signals

6. **Rescue Procedures:** _____

_____

7. **Successfully completed Confined Space Entry required training?**	☐ Yes	☐ No
Is it current?	☐ Yes	☐ No

8. **Equipment:**

Gas monitor tested?	☐ Yes	☐ No	☐ N/A
Safety harnesses and lifelines for entry and Standby persons?	☐ Yes	☐ No	☐ N/A
Davit or Tripod equipment?	☐ Yes	☐ No	☐ N/A
Powered communications?	☐ Yes	☐ No	☐ N/A
SCBA(s) for entry & standby persons?	☐ Yes	☐ No	☐ N/A
Protective clothing?	☐ Yes	☐ No	☐ N/A
All electric equipment listed Class I, Division I, Group D and Non-Sparking?	☐ Yes	☐ No	☐ N/A

Note: GFCI must be in place for Electrical hand tools.

9. **Periodic atmospheric tests:** (Additional space provided on next page)

Time	Oxygen	Explosive	Toxic
_____	_____%	_____%	_____%
_____	_____%	_____%	_____%
_____	_____%	_____%	_____%

We have reviewed the work authorized by this permit and the information contained herein. Written instructions and safety procedures have been received and are understood. Entry cannot be approved if any squares are marked in the "No" column. This permit is not valid unless all appropriate items are completed.

Permit Prepared By: (Supervisor) _____ _____
(Printed Name) (Signature)

Approved By: _____ _____

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(Printed Name) (Signature)

Reviewed By: _____ _____

(Printed Name) (Signature)

AUTHORIZED ENTRANT (S) ROSTER

DATE: _____

We (I) have reviewed the potential emergency situations and actions to be taken. We (I) are familiar with all rescue equipment and communication methods.

NAME / SS#	INITIALS	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT	TIME IN	TIME OUT

PERMIT CANCELLATION

Provide a brief description of why the permit is cancelled (i.e., job completed, high LEL, etc.).

_____

_____

ADDITIONAL ATMOSPHERIC TESTS

OXYGEN			EXPLOSIVE			TOXIC			FLAMMABLE		
TIME	%	INITIALS	TIME	%	INITIALS	TIME	%	INITIALS	TIME	%	INITIALS

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CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **12/27/2006**

Dear **John Kilgore**

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 1982

Generator: Hobas Pipe
Address: 1413 Richey Road
Houston, TX 77073

Waste Information

Name of Waste: Non-RCRA, nonhzardous wastewater
TCEQ Waste Code #: 00062191
Container Type: vac box
Detailed Description of Process Generating Waste:
Water used to cool down synthetic pipe molds.
Color: varies **Odor:** none **pH:** 4-8
Physical State:
Incompatibilities: none
Safety Related Data/Special Handling:
Standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

DB

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com

#1982

TCEQ Industrial Solid Waste Permit No: 39048
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company:	Hobas Pipe		
Address:	1413 Richey Rd		
City, State, Zip:	Houston, TX 77073		
Contact:	John Kilgore	**Title:**	Maintenance Manager
Phone No:	281-813-8449	**Fax No:**	281-821-9781
24/hr Phone:	281-813-8449		
U.S. EPA I.D. No:	TXD987973047		
State I.D.	20236	**SIC Code:**	NA

SECTION 2: Billing Information – ☒ Same as Above

Company:			
Address:			
City, State, Zip:			
Contact:		**Title:**	
Phone No:		**Fax No:**	

SECTION 3: General Description of the Waste

Name of Waste: Non-RCRA-Non-Hazardous Waste Water
Detailed Description of Process Generating Waste: Water used to cool down synthetic pipe molds.

Physical State: ☒ **Liquid** ☒ **Sludge** ☐ **Powder** ☐ **Solid** ☐ **Filter Cake** ☐ **Combination**

Color: Varies **Odor:** None

Specific Gravity (water=1): 9-1 **Density:** 8-9 lbs/gal

Layers: ☐ **Single-phase** ☒ **Multi-phase**

Container Type: ☐ **Drum** ☐ **Tote** ☒ **Truck** ☒ **Other (explain)**
Container Size: ____ ____ 5-6000 Vac Box

Frequency: ☐ **Weekly** ☐ **Monthly** ☐ **Quarterly** ☒ **Yearly**
Number of Units (containers): 1-7 **Other:** ____
Texas State Waste Code No: 00062191
Proper U.S. DOT Shipping Name: Non-RCRA, Non-DOT Regulated Waste Water
Class: Na **UN/NA:** Na **PG:** Na **RQ:** Na

Flash Point >160	**pH** 4-8	**Reactive Sulfides** 0mg/l	**Reactive Cyanides** 0mg/l	**Solids** 0-25%
Oil&Grease >6250mg/l	**TOC** Lab mg/l	**Zinc** Labmg/l	**Copper** Labmg/l	**Nickel** Labmg/l

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SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Water	85-97	%
Oil	1-5	%
Solids and Sludge from Synthetic Molds	0-35	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
None, Standard PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. Formatted
TCLP Analysis

SECTION 7: Incompatibilities

Please list all incompatibilities (if any): Formatted
None

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals: ____
TCLP Volatiles: ____
TCLP Semi-Volatiles: ____
Reactivity: ____
Corrosivity: ____
Ignitability: ____

SECTION 9: Generator's Certification

The information contained herein is based on ☒ generator knowledge and/or ☒ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document

Authorized Signature: _____ **Date:** 12/26/06 Formatted
Printed Name/Title: John Kilgore/ Maintenance Manager Formatted Formatted Formatted

CRS USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: _____ Additional Information: _____
Date: 12-27-06 Approved Rejected OL
Approval Number: 1982

SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? ☐ YES ☒ NO

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If 'Yes', complete this section.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcategory: Subpart A

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury –
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: Subpart B

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation waste
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory: Subpart C

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bearing wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesives and/or epoxies formulation
- ☒ Wastewater from organic chemical product operations
- ☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

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Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcategory

☐ Oils Subcategory

☒ Organics Subcategory

SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

EPAHO088002157

ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St.
La Porte, TX 77571
281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO: 61348.01

Customer: **CES Env. Svcs.**
Project ID: **Hobas Pipe**
Project Loc: **Hou., TX**
Charge/P.O.:

Sample ID: **Process Wash Water/Cooling Water**
Matrix: **Water**
Type: **Composite**

Environ ID: **61348.01**
Sampled: **12-21-06**
Received: **12-21-06**
Reported: **12-22-06**

RECEIVED BASIS

ANALYTE / PARAMETER	RESULT	UNITS	REG. LIMIT	MQL	TEST METHOD	ANALYST	DATE	TIME
TOT. PET. HYDROCARBON								
GRO (Gasoline Range)	< 491	mg/kg	--	50	TCEQ 1005.03	DB	12-22-06	15:51
DRO (Diesel Range)	1,980	mg/kg	--	50	TCEQ 1005.03	DB	12-22-06	15:51
ORO (Oil Range)	4,270	mg/kg	--	50	TCEQ 1005.03	DB	12-22-06	15:51
TOTAL TPH	6,250	mg/kg	--	50				
METALS (RCRA) - TCLP					SW846.1311	MN	12-21-06	
Arsenic	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	12-22-06	15:57
Barium	2.30	mg/l	100	0.02	SW846.6010B	JK	12-22-06	15:57
Cadmium	< 0.02	mg/l	1.00	0.02	SW846.6010B	JK	12-22-06	15:57
Chromium	< 0.02	mg/l	5.00	0.02	SW846.6010B	JK	12-22-06	15:57
Lead	< 0.02	mg/l	5.00	0.015	SW846.6010B	JK	12-22-06	15:57
Selenium	< 0.05	mg/l	1.00	0.05	SW846.6010B	JK	12-22-06	15:57
Silver	< 0.50	mg/l	5.00	0.5	SW846.6010B	JK	12-22-06	15:57
Mercury	< 0.002	mg/l	0.200	0.002	SW846.7470A	MN	12-22-06	10:30
RCI								
Reactive Cyanide	< 50	mg/kg	250	50	EPA SW846.7.3.3	LC	12-22-06	09:50
Reactive Sulfide	< 50	mg/kg	500	50	EPA SW846.7.3.4	LC	12-22-06	09:40
Corrosivity (Ph)	7.28	su	=>2; =<12.5	--	EPA SW846.9045C	JA	12-22-06	13:15
Ignitability	> 160	°F	> 140	--	EPA SW846.1010	LC	12-22-06	11:15
VOC - TCLP (Dilution Factor: 10.0)					SW846.1311	MN	12-21-06	
Benzene	< 0.04	mg/l	0.5	0.040	SW846.8260B	JAC	12-22-06	13:40
2-Butanone (MEK)	0.16	mg/l	200.0	0.100	SW846.8260B	JAC	12-22-06	13:40
Carbon tetrachloride	< 0.04	mg/l	0.5	0.040	SW846.8260B	JAC	12-22-06	13:40
Chlorobenzene	< 0.04	mg/l	100	0.040	SW846.8260B	JAC	12-22-06	13:40
Chloroform (Trichloromethar	< 0.04	mg/l	6.0	0.040	SW846.8260B	JAC	12-22-06	13:40
1,2-Dichloroethane (EDC)	< 0.04	mg/l	0.5	0.040	SW846.8260B	JAC	12-22-06	13:40
1,1-Dichloroethene	< 0.04	mg/l	0.7	0.040	SW846.8260B	JAC	12-22-06	13:40
Tetrachloroethene	< 0.04	mg/l	0.7	0.040	SW846.8260B	JAC	12-22-06	13:40
Trichloroethene	< 0.04	mg/l	0.5	0.040	SW846.8260B	JAC	12-22-06	13:40
Vinyl chloride	< 0.04	mg/l	0.2	0.040	SW846.8260B	JAC	12-22-06	13:40
SVOC - TCLP (Conc. Factor: 200)					SW846.1311	MN	12-21-06	
1,4-Dichlorobenzene	< 0.05	mg/l	7.5	0.05	SW846.8270C	JAC	12-22-06	14:53
2,4-Dinitrotoluene	< 0.05	mg/l	0.13	0.05	SW846.8270C	JAC	12-22-06	14:53
Hexachlorobenzene	< 0.05	mg/l	0.13	0.05	SW846.8270C	JAC	12-22-06	14:53
Hexachlorobutadiene	< 0.05	mg/l	0.50	0.05	SW846.8270C	JAC	12-22-06	14:53
Hexachloroethane	< 0.05	mg/l	3.0	0.05	SW846.8270C	JAC	12-22-06	14:53
2-Methylphenol (o-Cresol)	< 0.05	mg/l	(200)	0.05	SW846.8270C	JAC	12-22-06	14:53
3&4-Methylphenol (m&p-Cre	< 0.05	mg/l	(o+m+p)	0.05	SW846.8270C	JAC	12-22-06	14:53
Nitrobenzene	< 0.05	mg/l	2.0	0.05	SW846.8270C	JAC	12-22-06	14:53
Pentachlorophenol	< 0.25	mg/l	100	0.25	SW846.8270C	JAC	12-22-06	14:53
Pyridine	< 0.20	mg/l	5.0	0.20	SW846.8270C	JAC	12-22-06	14:53
2,4,5-Trichlorophenol	< 0.05	mg/l	400	0.05	SW846.8270C	JAC	12-22-06	14:53
2,4,6-Trichlorophenol	< 0.05	mg/l	2.0	0.05	SW846.8270C	JAC	12-22-06	14:53

QUALITY CONTROL -- TCLP VOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
1,2-Dichloroethane-d4 (SS)	0.051	102	76-114
Toluene-d8 (SS)	0.053	106	80-120
4-Bromofluorobenzene (SS)	0.053	106	80-120

QUALITY CONTROL -- TCLP SVOC SURROGATE RECOVERIES

SURROGATE	RESULTS (mg/l)	% RECOVERY	RANGE %
Nitrobenzene-d5	0.043	86	35-114
2-Fluorobiphenyl	0.048	96	43-116
Terphenyl-d14	0.053	106	33-141
Phenol-d5	0.041	41	21-100
2-Fluorophenol	0.052	52	10-100
2,4,6-Tribromophenol	0.087	87	10-123

Definitions:
TCLP - Toxcisity Charasteric Leaching Procedure su - Standard Units
REG - Regulatory Limit (User Should Confirm Lim VOC - Volatile Organic Compounds
MQL - Method Quanitation Limit SVOC - Semivolatile Organic Compounds
PPM - Parts Per Million TPH - Total petroleum Hydrocarbons
mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller

John Keller, Ph.D
Laboratory Director

EPAHO088002158

* 12/27/06 by Noon

CHAIN OF CUSTODY

ENVIRON Express Laboratories

Page 1 of 1

ENVIRON EXPRESS LABORATORIES, INC.
401 North 11th. St. / La Porte, Texas 77571-3115
(281) 471-0951 / (800) 880-0156
Fax: (281) 471-5821 / After Hours: (281) 844-2308
e-mail: environexp@aol.com

Results To: Dan Bowman	Invoice To: Same
Company: CES	Company:
Address: 4904 Griggs Rd	Address:
City: Houston State: TX Zip: 77021	City: State: Zip:
Phone: 713-854-6150	Phone:
Fax: 713-676-1676	Fax:
e-Mail:	PO#: Quote#:

TAT (WORKING DAYS) CIRCLE ONE: 1 2 3 5

LAB LOT #	COC Present? (Yes) No
Shipment Sealed? (Yes) No	Samples Sealed? (Yes) No
Received on Ice? (Yes) No	Samples Intact? (Yes) No
Cooler Temp. (°C) 2 °C	Preservative Shown? Yes (No) NA
Hold Time OK? (Yes) No	Res. Cl2 Check OK? Yes No (NA)
pH Check OK? (Yes) No NA	COC & Labels Agree? (Yes) No

Project Name: Hobas Pipe
Project Location: Houston TX
Project No:
Sampler (Print): Dan Bowman
Sampler (Sign):

Sampler Remarks:

EEL USE ONLY (LAB NO.)	SAMPLE ID.	DATE/TIME SAMPLED	[1] MATRIX	(C)OMP / (G)RAB	BTEX (8021B)	TPH (TX1005.3)	RCI	PAH	TOTAL EPA TCLP: VOLATILES	SEMI-VOLS	RCRA 8 METALS	Remarks & Additional Analyses
	[2] Cntr. Type		G									
	Number		1									
	Volume		32 oz									
	[3] Preservative		1									
	1) Process wash water/ Cooling water	12/21/06 11:00 PM	W	C		X	X		X	X	X	
	2)											
	3)											
	4)											
	5)											
	6)											
	7)											
	8)											
	9)											
	10)											

Relinquished By:	Company:	Date/Time:	Received By:	Company:
Dan Bowman	CES	12/21/06 2:30PM	R Hargrave	EEL
Relinquished By:	Company:	Date/Time:	Received By:	Company:
Relinquished By:	Company:	Date/Time:	Received By:	Company:

[1] **Matrix Key**
S:Soil **W:**Water **WW:**Waste Water **SL:**Sludge **SO:**Solid **SE:**Sediment **L:** Leachate **WI:**Wipe **OR:**Organic **OL:**Oil **DS:**Drum Solid **DL:**Drum Liquid **O:**Other _____

[2] **Container Type Key**
P:Plastic **G:**Glass **V:**VOA Glass **O:**Other _____

[3] **Preservative Key**
1:Ice(<4°C) **2:**HCL **3:**H2SO4 **4:**HNO3 **5:**NaOH **6:**NaOH+Zn Acetate **7:**Na2S2O3 **8:**None

Delivery of samples constitutes acceptance of Environ's terms and conditions in the Price Schedule.

EPAHO88002159

Pit cleaning

250 Gellhorn Drive
Houston, Texas 77013-6102
Phone (713) 673-2995 · Fax (713) 673-2997
Visit our Website! ***www.liquidenviro.com***
Revised 12/01/2004

liquid
ENVIRONMENTAL SOLUTIONS

Generator Liquid Profile Sheet ---- Please Print in Ink or Type

This Area is For L.E.S. Use Only

Profile Number: _____
Customer : _____ **Price:** _____
Sales Rep: _____ **Renewal Date:** _____

A. Generator Information:

Generator Name: Hobas Pipe
Site Address: 1314 Richey Rd
City, State, Zip Houston, TX 77073
Technical Contact: Dan Bowman
Phone: 713-854-6150
Fax: 713-676-1676
U.S. EPA ID#: TXD987973047
Generator State ID#: 20236

Agent/Broker: CES Environmental Services, Inc.
Address: 4904 Griggs Rd
City, State, Zip Houston, TX 77021
Contact: Dan Bowman
Phone: 713-854-6150
Fax: 713-676-1676
TCEQ Waste Code: Municipal

B. Physical Characteristics of the Waste:

Name or Types of Waste: Non-Hazardous Waste Water and Sludge (Municipal)
Process Generating Waste; Describe the process and material involved in generating the waste. Attached separate
Pre-operational cleaning on a newly constructed storm water pipeline and oily water separator.

Classification: ☐ Class I ☐ Class II ☑ Municipal ☐ Recycle ☐ Other: _____
Special Handling Instructions: _____
Color: Varies **Odor:** ☐ Yes ☑ No **Describe:** _____
Physical State at 70°F: ☑ Solid ☑ Liquid ☑ Semi-Solid ☐ Sludge ☐ Other: _____
Describe: _____
Specific Gravity (Water =1.00): 1-1.2 **Range:** 8 **to** 9
Layers: ☐ Single Phase ☑ Bi-Layered ☐ Multi-Layered
pH: ☐ < 2 ☑ 2-6 ☑ 6-8 ☑ 8-12.5 ☐ >12.5 **Exact:** _____
Flash Point: ☐ None ☐ <140°F ☐ 140°F - 199°F ☑ >200°F **Volume:** _____
Frequency: ☐ Once ☐ Weekly ☑ Monthly ☐ Quarterly ☐ Annually ☐ Other: _____

C. Transportation Information:

Method of Shipment: ☐ Bulk Liquid ☐ Bulk Sludge ☐ Drum/Box ☐ Other: _____
Transporter Name: CES Environmental Services, Inc. **Phone:** (713) 676-1460
TCEQ Permit 30900 **City of Houston Permit #:** N/A

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D. Waste Composition:

Hobas Pipe aste Water and Sludge (Municipal)

Total must equal 100%

Components (Water, Solids, Oil Etc.)		Min. %	to	Max. %
Water		80.0%	to	95.0%
Dirt, Mud		5.0%	to	15.0%
Rock		0.0%	to	5.0%
			to	
			to	
			to	
			to	

Does the waste contain any of the following?

				Actual
PCB's:	☐ Yes	☑ No	☐ <50 ppm	_____ ppm
Cyanides:	☐ Yes	☑ No	☐ <50 ppm	_____ ppm
Sulfides:	☐ Yes	☑ No	☐ <50 ppm	_____ ppm
Phenolics:	☐ Yes	☑ No	☐ <50 ppm	_____ ppm

Additional Information **(MSDS, TCLP, Etc.)?** ☐ Yes ☑ No **Describe:** _____

E. Generator Certification:

By signing this profile sheet, the generator (or his representative) certifies that unless clearly stated above or in attachments:

1. **This waste does not contain regulated quantities of PCB's (polychlorinated Bipheynyls).**
2. **This waste is not hazardous by reference to local and state law or by reference to US EPA rules 40 CFR Part 261 Subpart C (characteristic hazardous waste) and Part 261 Subpart D (listed hazardous waste).**
3. **This profile sheet and its attachments contain true and accurate descriptions of the waste material. All relevant information regarding known or suspected hazards in the possession of the generator have been disclosed.**
4. **The generator will promptly notify LES of any material change in the composition of the waste which could result in the waste otherwise being characterized as hazardous pursuant to US EPA rules.**

Generator Authorization Signature: _____ **Date:** _____

Printed Signature: _____ **Title:** _____

F. Submittals:

- ☐ **1. Representative one quart sample of waste material**
- ☐ **2. Copy of form and supplemental information submitted to the Texas Commission of Environmental Quality for waste classification purposes.**
- ☐ **3. Copies of applicable Material Safety Data Sheets (MSDS's).**
- ☐ **4. Signed laboratory analysis of waste.**

Generator's Certification of Representative Sample (Complete only if Submitting a Sample)

In order to determine if LES can accept the liquid waste described in the Generators' Liquid Waste Profile Sheet Code referenced above, you must supply a representative sample of the waste or sign Part E below, certifying that analytical data presented to LES were derived from the testing a representative sample. A representative sample is defined as a sample obtained using any of the applicable sampling methods specified in federal, state, or local regulations. If you collect a representative sample of your waste, label and ship your sample along with this form to the address noted above. If you have any questions, please refer to the instructions for this form or contact LES.

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1. Sampling Method (Indicate the method used):

☐ **I have obtained a representative sample of the waste material described in the Generator's Liquid Waste Profile Sheet referenced above according to the sampling methods specified in 40 CFR.**

☐ **I have obtained a representative sample of the waste material described in the Generator's Liquid Waste Profile Sheet referenced above by an equivalent method.**

2. Sampling Source: ☐ Drum ☐ Lagoon ☐ Pit ☐ Pond ☐ Tank ☐ Vat ☐ Other: _____

3. Witnesss Verification (if required): In most curcumstances the customer will obtain the sample, however, in those cases in which LES or another contractor obtains the sample, one of the customer's employees must be present to direct the particular source to be sampled, to witness the sampling, and to complete this part D.

I was personally present during the sampling described. I directed the waste source to be sampled, and I verified the information noted above.

Witness Name (printed): _____ **Signature:** _____

Witness Title: _____ **Employer:** _____ **Date:** _____

REPRESENTATIVE DATA CERTIFICATION:

By signing below the customer is certifying that the analytical data presented to LES were delivered from the testing of a representative sample taken in accordance with one of the methods listed in Part A of this form.

Printed Name: _____ **Signature:** _____

Title: _____ **Date:** _____

PLEASE INDICATE BY PLACING A CHECK IN THE APPROPRIATE BOX, ANALYSIS THAT IS NOT REQUIRED DUE TO PROCESS KNOWLEDGE:

☑ **TCLP Metals**	**(Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver)**
☑ **TCLP Semivolatiles**	**(o-Cresol, m-Cresol, p-Cresol, Cresol (total) 2-4 Dinitrotolune, Hexachlorobenzene, Hexachlorobutadiene, Hexachloroethane, Nitrobenzene, Pentachloropherol, Pyridine, 2-4-5 Trichlorophenol, and 2-4-6 Trichlorophenol)**
☑ **TCLP Herbicides/Pesticides**	**(Chlordane, 2-4 Endrin, Heptachlor, Heptachlor epoxide, Lindcane, Methoxyclor, Toxaphene, and 2-4-5 TP/Silvex)**
☑ **TCLP Volatiles**	**(Benzene, Carbon Tetrachloride, Chlorobenzene, Chloroform, Methyl Ethyl Ketone, 1-4 Dichlorobenzene, 1-2 Dichloroethane, 1-1 Dichloroethylene, Trichloroethylene, Tetrachloroethylene, and Vinyl Chloride)**
☑ **TCEQ Appendix 1**	**(TAC 31, Section 335 - Subchapter R) or Total Petroleum Table 1, Constituents Hydrocarbons)**
☑ **RCI**	**(Reactive Cyanide, Reactive Sulfide, Corrosivity, Ignitability)**

PLEASE DESCRIBE IN DETAIL THE PROCESS GENERATING THIS WASTE:

Pre-operational cleaning on a newly constructed storm water pipeline and oily water separator.

0

0

I Certify that the above information is complete and accurate to the best of my knowledge and liability to determine, that no deliberate or willful omission of composition or properties exists, and that all known or suspect hazards have been disclosed and that the waste is not designated a Hazardous Waste as defined by the US EPA per CFR 261.3 or contains PCB's regulated by TSCA 40 CFR 761.

Signature: Dan Bowman **Date:** 8/1/08

Printed Name: DAN BOWMAN **Title:** AGENT FOR GENERATOR

liquid
ENVIRONMENTAL
SOLUTIONS

August 12, 2008

CES Environmental Services, Inc.
Hobas Pipe
Attn: Dan Bowman

RE: Quote for Disposal

Dear Dan:

Liquid Environmental Solutions is pleased to present you with the following proposal for services. Based on the information received, our proposal is as follows:

Item	Description	Profile#	Price
Disposal	Municipal Bulk	197537	$ 0.18/gal.*
Energy Fee			5.75% of total invoice**
Environmental Fee			1% of total invoice

***The waste is subject to be upcharged depending on the composition of the waste stream. The profile mentioned that it is sludge but the composition didn't show that it contained much sludge. You will be notified before the truck is offloaded if an upcharge needs to take place.**
****Fluctuates monthly with the National Average.**

Please review the acceptance agreement on the following page and, if acceptable, sign and return to Liquid Environmental Solutions.

We appreciate the opportunity to be of service to you. Should you have any questions, please do not hesitate to contact me. I am always available and look forward to hearing from you.

Sincerely,

Crystal Garcia
Customer Service Representative
Cell: 281-594-9988
Crystal.Garcia@liquidenviro.com

EPAHO088002163

liquid
ENVIRONMENTAL
SOLUTIONS

To accept agreement, please sign the Customer Acceptance section and return to Liquid Environmental Solutions

Conditions of Proposal

1. This proposal is valid for sixty (60) days from the date of this proposal.
2. All waste will be manifested and disposed of at Liquid Environmental Solutions Gellhorn treatment facility.
3. Payment is due thirty (30) days from the date of invoice. After thirty (30) days, all open balances begin accruing interest at the rate of one and a half per cent (1.5%) per thirty (30) days or portion thereof, compounding monthly.
4. Transportation rates and fuel surcharges are subject to change with notice being given to the customer prior to any increases.
5. Services performed within the Houston City limits will be billed an additional 4% above the stated rate to cover the City of Houston's franchise fee.
6. Proposal does not include any applicable state or local fees that may apply.

Your signature below indicates your acceptance of the pricing, terms and conditions set forth in this proposal.

CUSTOMER ACCEPTANCE:
CES Environmental Services, Hobas Pipe; Profile #197537

DAN BOWMAN (AGENT) _____
(Name/Title)

_____
(Authorized Signature)

8/12/08 _____
(Date)

HOBAS NW _____
(P.O. #)

250 Gellhorn Drive · Houston, Texas 77013 · Phone (713) 671-4800· Fax (713) 671-4865

FILES BEHIND THIS SHEET CAME FROM FILE CABINET A-17

Hobas Pipe
Tanks Recieved for Oil Facility
in Port Arthur.

EPAHO08002166

Dan -
Are we billing
this?

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID :

Date : 5-4-09 Manifest # :

Client : x JL Kellyne Ticket :

Phone : Consignee :

Transporter :

Signature Signature

Leave CES Yard :	7:00	Arrive At Destination	5:00
Arrive At Customer :	8:00	Begin Unloading :	
Begin Loading :	8:20	Finish Unloading :	
Finish Loading :	2:20	Leave Destination :	5:30
Leave Customer :	2:30	Arrive At CES Yard :	7:00

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	085164
Tare Weight :		Begining Odometer :	084923
Net Weight :		Total Miles :	241

Driver : Jose Espinal Tractor # : 284 Tote # :

Signature : Jose Espinal Trailer # : 113035 Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002168

HOBAS PIPE USA
1413 E. Richey Road
Houston, Texas 77073
Telephone: (281) 821-2200
Telefax: (281) 821-7715

HOBAS

Bill of Lading

56663

CES ENVIRONMENTAL
(Name of Carrier)

Carrier's Truck# _____ Trailer # _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading.

at 5-4-09 2009 From 1413 E. Richey Rd.

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to: Company CES ENVIRONMENTAL Driver _____

Destination HOUSTON State TX Zip _____ County _____

Route Instructions _____

Joint No.	Diameter	Class	Length	Weight
2pc – STORAGE TANK				

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipping Agent _____ Date 5-4-09

TRANSPORTER

HOBAS PIPE USA
1413 E. Richey Road
Houston, Texas 77073
Telephone: (281) 821-2200
Telefax: (281) 821-7715

HOBAS

Bill of Lading

56663

CES ENVIRONMENTAL _____ Carrier's Truck# _____ Trailer # _____
(Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading.

at 5-4-09 2009 From 1413 E. Richey Rd.

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to: Company CES ENVIRONMENTAL Driver _____

Destination HOUSTON State TX Zip _____ County _____

Route Instructions _____

Joint No.	Diameter	Class	Length	Weight
2pc - STORAGE TANK				

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipping Agent _____ Date 5-4-09

DESTINATION

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : CES Environmental Internal Work

Date : 5/5/2009

Manifest # :

Client : CES Environmental Services, Inc.

Ticket : 85657

Phone : 7136761460

Consignee : CES Environmental (Port Arthur)

Transporter : CES Environmental Services, Inc.

Signature

Signature

Leave CES Yard :	6:40	Arrive At Destination	10:40
Arrive At Customer :	7:35	Begin Unloading :	11:15
Begin Loading :		Finish Unloading :	12:00
Finish Loading :		Leave Destination :	12:30
Leave Customer :	7:55	Arrive At CES Yard :	

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	540228
Tare Weight :		Begining Odometer :	540007
Net Weight :		Total Miles :	221

Driver : ~~Gipson~~ ~~Jack~~ Jose Iglesias

Tractor # : 299

Tote # :

Signature : Jose Iglesias

Trailer # :

Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002171

HOBAS PIPE USA
1413 E. Richey Road
Houston, Texas 77073
Telephone: (281) 821-2200
Telefax: (281) 821-7715

HOBAS

Bill of Lading

56664

CES ENVIRONMENTAL
(Name of Carrier)
Carrier's Truck# _____ Trailer # _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading.

at 5-5-09 20 09 From 1413 E. Richey Rd.

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to: Company CES ENVIRONMENTAL Driver _____

Destination HOUSTON State TX Zip _____ County _____

Route Instructions _____

Joint No.	Diameter	Class	Length	Weight
3pc — STORAGE		TANK		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

†The fibre boxes used for this shipment conform to the specifications setforth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipping Agent _____ Date 5-5-09

TRANSPORTER

EPAHO088002172

HOBAS PIPE USA
1413 E. Richey Road
Houston, Texas 77073
Telephone: (281) 821-2200
Telefax: (281) 821-7715

HOBAS

Bill of Lading

56664

CES ENVIRONMENTAL _____ Carrier's Truck# _____ Trailer # _____
(Name of Carrier)

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading.

at 5-5-09 20 09 From 1413 E. Richey Rd.

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to: Company CES ENVIRONMENTAL Driver _____

Destination HOUSTON State TX Zip _____ County _____

Route Instructions _____

Joint No.	Diameter	Class	Length	Weight
3pc —	STORAGE	TANK		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipping Agent _____ Date 5-5-09

DESTINATION

EPAHO088002173

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	CES Environmental Internal Work

Customer : CES Environmental Services, Inc.
Address : 4904 Griggs Rd
City,State,Zip : Houston TX , 77021
CES Contact : () -

Driver : Sanchez Jose
Helper :
Date : 5/5/2009 Time : 0600
Truck # 279 Trailer #

Job Description :

TAKE FLATBED TRAILERS FROM HOBAS PIPE TO PACES AND OFFLOAD THERE

ID #: 85667

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

LOADING FROM (i.e. Tank):

SIZE OF FITTING:

TYPE OF FITTING:

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☐ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☐ YES ☐ NO **IF YES, HOW MANY?** 0

EQUIPMENT NEEDED:

EPAHO088002175

Liner

MATERIAL SAFETY DATA SHEET

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1678

Transportation Work Ticket

Folder ID : CES Environmental Internal Work

Date : 5/5/2009

Manifest # :

Client : CES Environmental Services, Inc.

Ticket : 85657

Phone : 7136761460

Consignee : CES Environmental (Port Arthur)

Transporter : CES Environmental Services, Inc.

Signature

Signature

Leave CES Yard :	6:30	Arrive At Destination	10:15
Arrive At Customer :	7:15	Begin Unloading :	
Begin Loading :	7:19	Finish Unloading :	
Finish Loading :	7:28	Leave Destination :	4:15
Leave Customer :	7:30	Arrive At CES Yard :	6:30

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	085396
Tare Weight :		Begining Odometer :	085164
Net Weight :		Total Miles :	231

Driver : Espinal, Jose

Tractor # : 284

Tote # :

Signature :

Trailer # :

Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

HOBAS PIPE USA
1413 E. Richey Road
Houston, Texas 77073
Telephone: (281) 821-2200
Telefax: (281) 821-7715

HOBAS

Bill of Lading

56665

CES ENVIRONMENTAL
(Name of Carrier)

Carrier's Truck# _____ Trailer # _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading.

at 3-5-09 2009 From 1413 E. Richey Rd.

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to: Company CES ENVIRONMENTAL Driver _____

Destination HOUSTON State TX Zip _____ County _____

Route Instructions _____

Joint No.	Diameter	Class	Length	Weight
3pc	STORAGE	TANK		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipping Agent _____ Date 5-5-09

TRANSPORTER

EPAHO088002183

HOBAS PIPE USA
1413 E. Richey Road
Houston, Texas 77073
Telephone: (281) 821-2200
Telefax: (281) 821-7715

HOBAS

Bill of Lading

56665

CES ENVIRONMENTAL
(Name of Carrier) Carrier's Truck# _____ Trailer # _____

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of the Bill of Lading.

at 5-5-09 2009 From 1413 E. Richey Rd.

the property described below, in apparent good order, except as noted (contents and conditions of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern, Western and Illinois Freight Classification in effect on the date thereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to: Company CES ENVIRONMENTAL Driver _____

Destination HOUSTON State TX Zip _____ County _____

Route Instructions _____

Joint No.	Diameter	Class	Length	Weight
3pc	STORAGE	TANK		

* If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.

NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

†The fibre boxes used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of the Consolidated Freight Classification.

Shipping Agent _____ Date 5-5-09

DESTINATION

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	CES Environmental Internal Work

Customer : CES Environmental Services, Inc.
Address : 4904 Griggs Rd
City,State,Zip : Houston TX , 77021
CES Contact : () -

Driver : Espinal, Jose
Helper :
Date : 5/5/2009 Time : 0600
Truck # 284 Trailer #

Job Description :

TAKE FLATBED TRAILERS FROM HOBAS PIPE TO PACES AND OFFLOAD THERE

ID #: 85657

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

LOADING FROM (i.e. Tank):

SIZE OF FITTING:

TYPE OF FITTING:

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☐ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☐ YES ☐ NO **IF YES, HOW MANY?** 0

EQUIPMENT NEEDED:

Linuron

MATERIAL SAFETY DATA SHEET

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

COOK COMPOSITES AND POLYMERS CO.
MATERIAL SAFETY DATA SHEET

0406440

(b) (4)

[redacted]

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : CES Environmental Internal Work

Date : 5/5/2009

Manifest # :

Client : CES Environmental Services - Port Arthur

Ticket : 85656

Phone :

Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature

Signature

Leave CES Yard :	0645	Arrive At Destination	1030
Arrive At Customer :	0715	Begin Unloading :	1030
Begin Loading :	0715	Finish Unloading :	1600
Finish Loading :	0815	Leave Destination :	1650
Leave Customer :	0930	Arrive At CES Yard :	1830

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	9671
Tare Weight :		Begining Odometer :	9764
Net Weight :		Total Miles :	93

Driver : Woodard, Irvin

Tractor # : 111

Tote # :

Signature : Woodard

Trailer # :

Box # :

Job Comments/Equipment : Jose E. & Jose S. Picked-up 2 Trailers (6 TANKS) from Hobas Pipe Co.. OFF loaded All 8 TANKS AT P.A. CES As Direct

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002193

CES Environmental Services, Inc.

Bill Of Lading # : 85656

Folder ID :	CES Environmental Internal Work

Original – Shipper Provided Short Form Straight Bill of Lading – Not Negotiable – Domestic

SHIPPED FROM :

CES Environmental Services - Port Arthur
2420 S. Gulfway Drive
Port Arthur , TX 77640

11a)
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNED TO :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston , TX 77021

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston , TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.6409 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container		Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
	No.	Type			
No	1	TT		G	Non DOT regulated oil

Shipper : CES Environmental Services - Port Arthur

Per : _____ **Signature :** _____ **Date :** _____

Carrier CES Environmental Services, Inc.

Per : _____ **Signature :** _____ **Date :** _____

Receiving Facility CES Environmental Services, Inc.

Per : _____ **Signature :** _____ **Date :** _____

White (Generator Return Copy) Yellow (Transporter Copy) Pink (Receiving Facility Copy) Golden Rod (Generator 1st Copy)

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	CES Environmental Internal Work

Customer : CES Environmental Services - Port Arthur
Address : 2420 S. Gulfway Drive
City,State,Zip : Port Arthur TX , 77640
CES Contact : () -

Driver : Woodard, Irvin
Helper :
Date : 5/5/2009 Time : 0600
Truck # 111 Trailer #

Job Description :

OFFLOAD TANKS FROM HOBAS PIPE AT PACES

ID #: 85656

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

LOADING FROM (i.e. Tank):

SIZE OF FITTING:

TYPE OF FITTING:

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☐ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☐ YES ☐ NO **IF YES, HOW MANY?** 0

EQUIPMENT NEEDED:

EPAHO088002196

[redacted]
_Kosovo Government
Kosovo Goverment - Disulfide Oil Project

MB

EPAHO088002197

0.7845

1.2747

8/26 1.4759 .0.6770

Oil - HOYER

CES Internal
Trans + Mang. (TO PEAK)
30,000.

Profit 66,046.

Customer Special Requests/Requirements

P.O. Required:	☐ Y	☐ N	Fuel Surcharge:	☐ Y	☐ N
4% City of Houston Fee:	☐ Y	☐ N	4-hr Minimum:	☐ Y	☐ N

Job Estimate

Item	CES Cost	Customer Charge
Exporting / Receiving Disulfide Oil		128946.82
Accrual - Police Escort & misc charges	12747.00	12747.00
Conversion Loss	25789.00	25789.00
Hoyer - Overseas Trans 3 containers	31500.00	
- CES Internal Trans + Mgmt	30,000.00	
Code Red - Safety Supplies	1,000.00	
Environ - Analysis Chemtex	400.00	
	—	—
	101436.00	167482.82
	66,046.82	
Dana 1000. Wershart		
Hoyer 8000.		
Hapgood 2000. rental		
Core Lab 400.		
Credit Paces $6200.00 per Container for Trans + Mangt.		
$18,600.00		

GJ MS 360

GJ MS 1216

EPAHO088002200

CONFIDENTIAL

CES Environmental Services, Inc.
Profit & Loss Sheet

CONFIDENTIAL

Billing/AP Information	
Name:	Kosovo Government
Contact:	Ramiz Jafiaj
Address:	
Phone:	
Fax:	

Salesperson:	[redacted] Raming
Assigned:	Unassigned:

Folder I.D.#	Kosovo Gavernment [redacted] Disulfide Oil Project
Job Contact:	
Phone:	
Fax:	

P.O Required:	Y:	N:	Fuel Surcharge:	Y:	N:
City of Houston:	Y:	N:	4-hour Minimum:	Y:	N:

Base Oils **Black Oils** **Light Ends** **Glycols** **Emulsion Oils (>70% oil)** **Emulsion Oils (50%-70% oil)**

Job Estimate

Item	Vendor	Profile #	CES Cost	Customer Charge
Change to Customer	CES		∅	$128,944.824 *
Transportation of 3 boxes over seas	Triton		$31,500.00 ✓	
Escort Service for 3 boxes in Kosovo. (unexpected cost to pass on)	?		$10,000.00 ✓	$10,000.00 *
Transportation of 1 bx from Houston to Greece	TRiton	*We will NOT pay!!	$4,275.00	
Airline Tickets	Kosovo International Towns		$16,304.00	
Ground operations	various		$25,000.00	
Steve's expenses	Cash/Steve		$3,400.00	
Conversion Loss		*asking customer to pay.	$25,789.00 ✓	$25,789.00
Analysis		Accrual	$ 400.00 ✓	
Covered		Accrual	$ 1000.00 ✓	
CES Internal Trans + Management (to Peak)		Accrual	$ 30,000.00 ✓	
Cleaning of isocontainers @	Dana Containers			$350/each ISO
Disposal of Rinsewater DM's				$ 1DM

Customer Special Request/Requirement

CONFIDENTIAL

EPAHO088002201

USD TO EUR

0.67770

1.47590

8/26/08

SCAT

Still New
NO DATES

#1 - 80198 - 211
#2 - 80199 - 58
#3 80200 - 35

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
10/31/2008	51407

Bill To: Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
Republic of Kosovo

P.O. No.	Terms	Project
	Due on rec...	

Quantity	Description	Manifest #	Rate	Amount
	Contract Ref: 210/08/031/214			
	Exporting and Receiving of Disulfide Oil from 3 trucks in mitrovica as per contract dated 8/26/08		128946.82	128,946.82
	Total: 94,131.18 Euro (138928.21) 8/26			
	Police escort charges and other charges occurred from Kosovo to Istanbul		12,747.00	12,747.00
	Total: 10,000.00 Euro (14759.00) 8/26			
	Conversion Loss	PA	25,789.00	25,789.00
	U.S. conversion rate as of 8/26/08 1.47590 U.S. conversion rate as of 11/6/08 1.2747			

We appreciate your business!

Subtotal	$167,482.82
Sales Tax (0.00)	$0.00
Total	$167,482.82

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
12/30/2008	52959

Bill To: Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
Republic of Kosovo

P.O. No.	Terms	Project
	Due on rec...	

Quantity	Description	Manifest #	Rate	Amount
	currency conversion		1,066.81	1,066.81

Subtotal	$1,066.81
Sales Tax (0.00)	$0.00
Total	$1,066.81

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

copy

Invoice

Date	Invoice #
10/31/2008	51407-B

Bill To: Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
Republic of Kosovo

P.O. No.	Terms	Project
	Due on rec...	

Quantity	Description	Manifest #	Rate	Amount
	Contract Ref: 210/08/031/214			
	Police escort charges and other charges occurred from Kosovo to Istanbul		12,747.00	12,747.00
	Total: 10,000 Euro (14759.00) 8/26			
	Conversion Loss		25,789.00	25,789.00
	U.S. conversion rate as of 8/26/08 1.47590 U.S. conversion rate as of 11/6/08 1.2747			

We appreciate your business!

Subtotal	$38,536.00
Sales Tax (0.00)	$0.00
Total	$38,536.00

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

orig. Invoice
- told to
Split into 3

Invoice

Date	Invoice #
10/31/2008	51407

Bill To: Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
Republic of Kosovo

P.O. No.	Terms	Project
	Due on rec...	

Quantity	Description	Manifest #	Rate	Amount
	Contract Ref: 210/08/031/214 Exporting and Receiving of Disulfide Oil from 3 trucks in mitrovica as per contract dated 8/26/08 Total: 94,131.18 Euro (138928.21) 8/26		128946.82	128,946.82
	Police escort charges and other charges occurred from Kosovo to Istanbul Total: 10,000.00 Euro (14759.00) 8/26		12,747.00	12,747.00
	Conversion Loss	PA	25,789.00	25,789.00
	U.S. conversion rate as of 8/26/08 1.47590 U.S. conversion rate as of 11/6/08 1.2747			

We appreciate your business!

Subtotal	$167,482.82
Sales Tax (0.00)	$0.00
Total	$167,482.82

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CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
10/31/2008	51407-B

Bill To: Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
Republic of Kosovo

P.O. No.	Terms	Project
	Due on rec...	

Quantity	Description	Manifest #	Rate	Amount
	Contract Ref: 210/08/031/214			
	Police escort charges and other charges occurred from Kosovo to Istanbul		12,747.00	12,747.00
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We appreciate your business!

Subtotal	$38,536.00
Sales Tax (0.00)	$0.00
Total	$38,536.00

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CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
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Invoice

Date	Invoice #
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Bill To: Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
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P.O. No.	Terms	Project
	Due on rec...	

Quantity	Description	Manifest #	Rate	Amount
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	U.S. conversion rate as of 8/26/08 1.47590 U.S. conversion rate as of 11/6/08 1.2747			

We appreciate your business!

Subtotal	$128,946.82
Sales Tax (0.00)	$0.00
Total	$128,946.82

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental
4904 Griggs Rd.
Houston, TX 77021
713-676-1460

ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BOULEVARD, SUITE 575
HOUSTON, TX 77032
Tel: 832-300-5920 Fax: 832-201-7479

INVOICE

TO
Attn.: Jennifer Rust
CES ENVIRONMENTAL SERVICES, INC.
4904 GRIGGS ROAD
HOUSTON, TX 77021

INVOICE NO.	DATE
780387-001	12/1/2008
FILE NO.	**CUSTOMER NO.**
	CESENVIR

Control #: ARC017650
Importer: CES ENVIRONMENTAL SERVICES, INC.
Consignee: CES ENVIRONMENTAL SERVICES, INC.

YOUR REFERENCE KOSOVO RETURN

CARRIER	DEPARTURE	COUNTRY
Vessel: MSC ALESSIA; Carrier: MSCU - MEDITERRANEAN SHIPPING; Flight/Voyage: 570A	ETD:9/29/2008	GR-GREECE

BILLS OF LADING, AIRWAYBILL, HOUSE AIRWAYBILL NO.

Master: MSCUHU583848... OCEAN

SHIPMENT		CH.WT.	GR.WT.
TOOLS, GASKETS, GENERATOR, ETC	10PCS		2500.00Kg 5511.63Lb

ARRIVAL	ENTRY TYPE	ENTRY NO.	DATE OF ENTRY
HOUSTON, TX, US ETA:11/14/2008	01 - CONSUMPTION	BZC-0780387-3	11/14/2008

DESCRIPTION	AMOUNT(USD)
Entry No.: BZC-0780387-3 Ver.: 000 Broker Ref. No.: 000780387 Ref. No.: RETURNKOS	
1. DUTY DUTY	25.00
2. CUSEXA CUSTOMS EXAM FEE	1,175.00
Due Date: 12/15/2008 Balance:	**1,200.00**

Thank you, Nancy LaBrozzi

Kosova Govt
Disulfide Oil

POSTED
4-21-09

Overdue invoices are subject to a monthly finance charge of 2%.
Importer must furnish missing documents within the period of time as required by CBP regulations to avoid CBP penalties.
This order is subject to the terms and conditions on reverse side.

If you are the importer of record, payment to the broker will not relieve you of liability for Customs charges in the event the charges are not paid by the broker. Therefore, if you pay by Check, Customs charges may be paid with a separate Check payable to "The Bureau of Customs and Border Protection"

Created By: NANCY LABROZZI [tel. 832-300-5904]

EPAHO088002210

CST: 662

Form Approved OMB No. 1651-0022

DEPARTMENT OF HOMELAND SECURITY
U.S. Customs and Border Protection
ENTRY SUMMARY V - 0

1. Filer Code/Entry No.	2. Entry Type	3. Summary Date
BZC-0780387-3	01 ABI/N	12/01/08

4. Surety No.	5. Bond Type	6. Port Code	7. Entry Date
891	8	5301	11/14/08

8. Importing Carrier	9. Mode of Transport	10. Country of Origin	11. Import Date
MSCU MSC ALESSIA 570A	11	US	11/14/08

12. B/L or AWB No.	13. Manufacturer ID	14. Exporting Country	15. Export Date
MSCUHU583848	USCESENV4904HOU	GR	09/29/08

16. I.T. No.	17. I.T. Date	18. Missing Docs	19. Foreign Port of Lading	20. U.S. Port of Unlading
			48471	5301

21. Location of Goods/G.O. No.	22. Consignee No.	23. Importer No.	24. Reference No.
V136; BAYPORT CONTAINER TERMINAL	SAME	76-059298500	

25. Ultimate Consignee Name and Address

City State TX Zip

26. Importer of Record Name and Address
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD

City HOUSTON State TX Zip 77021

27. Line No.	28. Description of Merchandise 29. A. HTSUS No. / B. AD/CVD Case No.	30. A. Gross Weight / B. Manifest Qty.	31. Net Quantity in HTSUS Units	32. A. Entered Value / B. CHGS / C. Relationship	33. A. HTSUS Rate / B. AD/CVD Rate / C. IRC Rate / D. Visa No.	34. Duty and I.R. Tax Dollars	Cents
	B/L: MSCUHU583848 Inv #001 -			PI780387 QTY:1 LOT		10	PCS
001	PROF BOOKS,ETC.,RETURNED T 9801.00.8500	2500		NON IMPORT/NON EXPORT 20000 C2000 Y	FREE		
	Harbor Maintenance Fee				0.125%	25	00
	INVOICE VALUE: 20000						

****

Other Fee Summary for Block 39	35. Total Entered Value	CBP USE ONLY		TOTALS
501 HMF 25.00	20,000	A. LIQ CODE	B. Ascertained Duty	37. Duty 0 00
	Total Other Fees 25.00	REASON CODE	C. Ascertained Tax	38. Tax 0 00
			D. Ascertained Other	39. Other 25 00
			E. Ascertained Total	40. Total 25 00

36. DECLARATION OF IMPORTER OF RECORD (OWNER OR PURCHASER) OR AUTHORIZED AGENT

I declare that I am the ☐ Importer of record and that the actual owner, purchaser, or consignee for CBP purposes is as shown above, OR ☑ owner or purchaser or agent thereof. I further declare that the merchandise ☑ was obtained pursuant to a purchase or agreement to purchase and that the prices set forth in the invoices are true, OR ☐ was not obtained pursuant to a purchase or agreement to purchase and the statements in the invoices as to value or price are true to the best of my knowledge and belief. I also declare that the statements in the documents herein filed fully disclose to the best of my knowledge and belief the true prices, values, quantities, rebates, drawbacks, fees, commissions, and royalties and are true and correct, and that all goods or services provided to the seller of the merchandise either free or at reduced cost are fully disclosed.
I will immediately furnish to the appropriate CBP officer any information showing a different statement of facts.

41. DECLARANT NAME	TITLE	SIGNATURE	DATE
N. LABROZZI as ATTY in FACT			12/1/2008

42. Broker/Filer Information (Name, address, phone number)	43. Broker/Importer File No.
ZIMMER WORLDWIDE LOGISTICS, INC 15710 JFK BLVD., SUITE 575 HOUSTON, TX 77032-2350 PHONE:832-300-5920 FAX:832-201-7479	000780387/RETURNKOS

CBP Form 7501 (04/05)

EPAHO088002211

Box 1

Return to box 99

INTENSIVE

U.S.DEPARTMENT OF HOMELAND SECURITY
Bureau of Customs and Border Protection

Form Approved
OMB No. 1651-0024

ENTRY/IMMEDIATE DELIVERY

V-0
BOX: 99

ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD., SUITE 575
HOUSTON, TX 77032-2350
Ph: 832-300-5920 Fax: 832-201-7479

RETURNKOS

19 CFR 142.3, 142.16, 142.22, 142.24

BROKER CODE: BZC
ABI CERTIFIED

1. ARRIVAL DATE 11/14/08	2. ELECTED ENTRY DATE 11/14/08	3. ENTRY TYPE CODE/NAME 01 CONSUMPTION	4. ENTRY NUMBER BZC-0780387-3
5. PORT 5301 HOUSTON, TX	6. SINGLE TRANS. BOND	7. BROKER/IMPORTER FILE NUMBER 000780387	
	8. CONSIGNEE NUMBER 76-059298500		9. IMPORTER NUMBER SAME
10. ULTIMATE CONSIGNEE NAME CES ENVIRONMENTAL SERVICES, INC 4904 GRIGGS ROAD HOUSTON, TX 77021		11. IMPORTER OF RECORD NAME CES ENVIRONMENTAL SERVICES, INC 4904 GRIGGS ROAD HOUSTON, TX 77021	
12. CARRIER CODE MSCU MEDITERRANEAN SHIPPING	13. VOYAGE/FLIGHT/TRIP 570A	14. LOCATION OF GOODS-CODE(S)/NAME(S) V136 BAYPORT CONTAINER TERMINAL	
15. VESSEL CODE/NAME MSC ALESSIA			
16. U.S. PORT OF UNLADING 5301 HOUSTON, TX	17. MANIFEST NUMBER	18. G.O. NUMBER	19. TOTAL VALUE 20,000.00
20. DESCRIPTION OF MERCHANDISE NON IMPORT/NON EXPORT, TOOLS, GASKETS, GENERATOR			

21. IT/BL/AWB CODE	22. IT/BL/AWB NO.	23. MANIFEST QUANTITY	24. H.S. NUMBER	25. COUNTRY OF ORIGIN	26. MANUFACTURER ID.
M	MSCUHU583848	10 PCS	9801008500	US	USCESENV4904HOU

27. CERTIFICATION

I hereby make application for entry / immediate delivery. I certify that the above information is accurate, the bond is sufficient, valid, and current, and that all requirements of 19 CFR Part 142 have been met.

SIGNATURE OF APPLICANT
X NANCY LABROZZI as ATTY in FACT

PHONE NO.
832-300-5920

DATE
11/19/08

28. CBP USE ONLY

☐ OTHER AGENCY ACTION REQUIRED, NAMELY:

☒ CBP EXAMINATION REQUIRED

☐ ENTRY REJECTED, BECAUSE:

U.S. CUSTOMS
2008 NOV 19 PM 3:40

29. BROKER OR OTHER GOVT. AGENCY USE

CUSTOMS TEAM: 662
GROSS WEIGHT: 2500KG
TOTAL UNITS: 10

V607

Containers:
BSSL2689009

PERMIT TO TRANSFER RECORD
(Sign and date all lines)

Auth. Customs Office

Bonded Cartman & CHL #

Delivering Carrier

C.E.S. Proprietor

DELIVERY AUTHORIZED:

SIGNATURE

DATE

INTENSIVE

Paperwork Reduction Act Notice: This information is needed to determine the admissibility of imports into the United States and to provide the necessary information for the examination of the cargo and to establish the liability for payment of duties and taxes. Your response is necessary. The estimated average burden associated with this collection of information is 15 minutes per respondent depending on individual circumstances. Comments concerning the accuracy of thes burden estimate and suggestions for reducing this burden should be directed to Bureau of Customs and Border Protection, Information Services Branch, Washington, DC 20229, and to the Office of Management and Budget, Paperwork Reduction Project (1651-0024), Washington, DC 20503.

CBP Form 3461 (01/89)

EPAHO088002212

Proforma Invoice

Shipper
CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Consignee
CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Date: 11/14/2008
Inv. Number: PI780387

INCOTerms: FOB
POL: Houston, TX
POE: Houston, TX
Carrier: MSCU
Vessel: MSC Alessia V569R

BL: MSCUHU583848 USD USD

Qty	Weight	Description	Unit Price	Total
10pcs	2500kg	Tools, generator, gaskets, hoses, filters, cords compressor, pumps and related articles	$20,000.00	$20,000.00

9801.00.8500/No/Free

Freight did not enter commerce of another country
Material did not arrive at destination in time for project, therefore it was returned on same vessel

Country of Origin: US

CES Environmental

Subtotal: $20,000.00
Tax: $0.00
Total $20,000.00

T/N/NCV

1/1

Packing List

Personal Protective Equipment (PPE):

1. Hard Hats (4)
2. Rubber Boots (8)
3. Tyveks–XXLarge and XXXLarge
4. Safety Glasses
5. Tape

Equipment:

1. Air Compressor
2. Air Hose
3. Totes (2)
4. Sack Carbon (1)
5. Generator (1)
6. Diaphragm Pumps (2)
7. Extension Cords (5)
8. Section 4" Flex Hose (1)
9. Boxes 2" Vacuum Hose (2)
10. Joe Box Full of Tools (1)
11. 55 Gallon BLK Drums (4)
12. Yellow Drum/Carbon (1)
13. Air Breathing Hoses
14. Air Breathing Masks/Full Face
15. Blower
16. Bag of Cross Foot Gaskets (1)
17. Bag of 2" Hose Gaskets (1)
18. Sections of 2" Cheulcle Hose (6)
19. Sheets of Dry Wood (4)
20. 2X4 (5)
21. Fire Extinguishers (2)
22. Orange Suit Case/Filter System for Sur. Air
23. Spill Pads

~Weight of Container is 16,000

1/2

Export BL

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837
BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS In Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID

THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
		1/3
TOTAL PREPAID		
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port discharge, and for arrangement or procurement of pre-carriage from place of receip on-carriage to place of delivery, where stated above, the goods as specified above i apparent good order and condition unless otherwise stated. The goods to be delive above mentioned port of discharge or place of delivery, whichever applicable, subje to the exceptions, limitations, conditions and liberties set out on the reverse side he which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not ot above, one of which being accomplished the others shall be void.

DATED AT HOUSTON, TEXAS NO. OF ORIGNALS

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078

20081289 September 14 20

Export BL

TRITON OVERSEAS TRANSPORT, INC

3340 GREENS ROAD, BLDG A, SUITE 410 HOUSTON, TX 77032

ARRIVAL NOTICE - CHARGES

11/14/08

SHIPPER: ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

CONSIGNEE: ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

TEL: 832-300-5920 **FAX:** 281-227-2861

NOTIFY: GHEDI INTERNATIONAL
3340-C GREENS ROAD STE. 400
HOUSTON, TX 77032

TEL: 281-987-3394 **FAX:** 281-987-3395

CARGO LOCATION: BAYPORT GLOBAL LOGISTICS
10525A RED BLUFF ROAD
PASADENA, TX 77507

TEL: 281-474-2004 **FAX:** 281-474-2115

TRITON REF NO: 046235-00

AMS #:

HBL/HAWB: MSCUHU583848

MBL/MAWB: MSCUHU583848

VESSEL: MSC ALESSIA

VOYAGE: 570a

CONTAINER#: BSSL2689009

FROM: HOUSTON

ETD: 09/29/08

PT DISCHRG: HOUSTON

ETA: 11/14/08

TRANSSHIPMENT DETAILS

FINAL DEST: HOUSTON,TX

ETA:

I. T. #:

DATED:

LAST FREE DAY:

PLEASE CHECK WITH WAREHOUSE FOR IN/OUT CHARGES, PICK UP TIMES, CARGO AVAILABILITY & LAST FREE DAY. TRITON OVERSEAS WILL NOT BE RESPONSIBLE FOR DRY RUNS DUE TO NON-COMPLIANCE OF THE ABOVE.

OUR CONTACT: DEBORAH ENGLAND

IMPORT DIRECT LINE : 281-227-0318

IMPORT DIRECT FAX : 281-902-3873

MARKS	NO/PC TYPE	COMMODITY	KGS / CBM
BSSL2689009	1x20'DV CONTAINER SLAC:		2500.00K 5511.50L
		S.T.C. TOOLS, GENERATORS, GASKETS, HOSES, FILTERS, CCORDS, COMPRESSOR, PUMPS AND RELATES ARTICLES	

ORIGINAL ENDORSED BILL OF LADING NOT REQUIRED.

ISPS	$8.00
DOCUMENT TRANSFER	$75.00
PORT SECURITY FEE	$25.00
WHARFAGE	$54.00

******PLEASE NOTE THAT PAYMENT IS REQUIRED PRIOR TO TRANSSHIPMENT******

CHECKS PAYABLE TO: TRITON OVERSEAS TRANSPORT, INC

PLEASE PAY THIS AMOUNT - > 162.00

PLEASE NOTE: MONEY ORDER, COMPANY CHECK, CASHIER CHECK OR BANK WIRE ONLY. NO PERSONAL OR FOREIGN CHECKS. WHEN REMITTING PAYMENT PLEASE ATTACH COPY OF ARRIVAL NOTICE.

FOR CUSTOMERS WITH TRITON CREDIT: TO EXPEDITED RELEASE FAX A COPY OF CHECK AND OVERNITE AIRWAY BILL.

WIRE TRANSFER INFORMATION
ALLEGIANCE BANK TEXAS C/O TRITON OVERSEAS TRANSPORT, INC.
ACCT: 1002006616, ABA: 113025723
Our BIC (or SWIFT) code is ALTXUS4I

1/4

Gulf Winds International, Inc.

ZIMMER WORLDWIDE			
832 201 7479	FAX		
FROM - MICHEL BENOIT		ATTN:	NANCY LABROZZI

CONTAINER NUMBER	SIZE	MASTER B/L	VESSEL	VOYAGE
BSSL2889009	20	MSCUHU583848	MSC ALESSIA	570A
			S.O.#	147258

Unitized Cargo	
Non-Unitized Cargo	X
Exclusion	X

C.E.S. CHARGES

COMMODITY	BOOKS
EXAM TYPE	CBP ENFORCEMENT

Container has accrued $$$$$ in Per Diem to date, as per the Steamship Lines Tariff. Additional Per Diem may accrue contingent upon the final empty termination date. Importer of Record will be responsible for all Per Diem relating to this container. These charges will be invoiced at a later date if you are unsuccessful in mitigating them with the Line.

QUANTITY	CHARGE DESCRIPTION	UNIT PRICE	TOTAL
1	DRAY FROM BAYPORT TO C.E.S.	$150.00	$150.00
1	100% STRIP (HAND-IN / HAND-OUT)	$950.00	$950.00
1	DRAY FROM C.E.S. TO BRDWY YARD	$50.00	$50.00
1	INTERCHANGE FEE	$25.00	$25.00
	YOU MAY REACH ME @ 713 440 5844 IF ANY QUESTIONS - THANK YOU!		

STORAGE	ARRIVED @ C.E.S.	FREE TIME ENDS	STORAGE APPLIES
NONE	11/21/2008	12/1/2008	NONE
MUST PICK UP BY:			
Monday, December 01, 2008			

TODAY'S DATE:	Wednesday, November 26, 2008
TOTAL AMOUNT DUE:	$1,175.00

PAYMENT INSTRUCTIONS
PLEASE APPROVE & SEND COPY OF CHECK & COURIER BILL OVERNIGHT - THANKS!

CENTRALIZED EXAMINATION STATION
1000 East Barbours Cut Boulevard - La Porte, Texas 77571
Tel: 713-747 4909 - Fax: 281-470-1023 - Email: mbenoit@gwil.com

WE APPRECIATE YOUR BUSINESS - THANK YOU!

ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BOULEVARD, SUITE 575
HOUSTON, TX 77032
Tel: 832-300-5920 Fax: 832-201-7479

INVOICE

TO
Attn.: Jennifer Rust
CES ENVIRONMENTAL SERVICES, INC.
4904 GRIGGS ROAD
HOUSTON, TX 77021

INVOICE NO.	DATE
780412-001	1/19/2009
FILE NO.	CUSTOMER NO.
	CESENVIR

Control #: ARC018208
Importer: CES ENVIRONMENTAL SERVICES, INC.
Consignee: CES ENVIRONMENTAL SERVICES, INC.

YOUR REFERENCE PI780412

CARRIER	DEPARTURE	COUNTRY
Vessel: VERACRUZ EXPRESS; Carrier: HLCU - HAPAG LLOYD; Flight/Voyage: 72W	ETD:10/27/2008	KV-KOSOVO

BILLS OF LADING, AIRWAYBILL, HOUSE AIRWAYBILL NO.
Master: HLCUIS1081100211... OCEAN

SHIPMENT		CH.WT.	GR.WT.
DISULFIDE OIL	3VL		64680.00Kg 142596.76Lb

ARRIVAL	ENTRY TYPE	ENTRY NO.	DATE OF ENTRY
HOUSTON, TX US ETA:12/23/2008	01 - CONSUMPTION	BZC-0780412-9	12/23/2008

DESCRIPTION	AMOUNT(USD)
Entry No.: BZC-0780412-9 Ver.: 000 Broker Ref. No.: 000780412 Ref. No.: 000780412	
1. CDUTY CUSTOMS DUTY	159.78
2. CCUSF CUSTOMS CLEARANCE	125.00
3. CMGRF MESSENGER FEES	25.00
Due Date: 2/2/2009 Balance:	**309.78**

Thank you, Nancy LaBrozzi

Kosovo Gov't
Disulfide Oil

POSTED
1-20-09

Overdue invoices are subject to a monthly finance charge of 2%.
Importer must furnish missing documents within the period of time as required by CBP regulations to avoid CBP penalties.
This order is subject to the terms and conditions on reverse side.

If you are the importer of record, payment to the broker will not relieve you of liability for Customs charges in the event the charges are not paid by the broker. Therefore, if you pay by Check, Customs charges may be paid with a separate Check payable to "The Bureau of Customs and Border Protection"

Created By: NANCY LABROZZI [tel. 832-300-5904]

CST: 674

PAPERLESS

Form Approved OMB No. 1651-0022

DEPARTMENT OF HOMELAND SECURITY
U.S. Customs and Border Protection
ENTRY SUMMARY V - 0

1. Filer Code/Entry No.	2. Entry Type	3. Summary Date
BZC-0780412-9	01 ABI/A	01/21/09

4. Surety No.	5. Bond Type	6. Port Code	7. Entry Date
891	8	5301	12/23/08

8. Importing Carrier	9. Mode of Transport	10. Country of Origin	11. Import Date
HLCU VERACRUZ EXPRESS 72W	11	KV	12/23/08

12. B/L or AWB No.	13. Manufacturer ID	14. Exporting Country	15. Export Date
HLCUIS1081100211	KVKOSMIN31TAS	KV	10/27/08

16. I.T. No.	17. I.T. Date	18. Missing Docs	19. Foreign Port of Lading	20. U.S. Port of Unlading
			48945	5301

21. Location of Goods/G.O. No.	22. Consignee No.	23. Importer No.	24. Reference No.
S787; BARBOURS CUT TERMINAL	SAME	76-059298500	

25. Ultimate Consignee Name and Address

City State TX Zip

26. Importer of Record Name and Address
CES ENVIRONMENTAL SERVICES, INC.
4904 GRIGGS ROAD

City HOUSTON State TX Zip 77021

27. Line No.	28. Description of Merchandise	29. A. HTSUS No. B. AD/CVD Case No.	30. A. Gross Weight B. Manifest Qty.	31. Net Quantity in HTSUS Units	32. A. Entered Value B. CHGS C. Relationship	33. A. HTSUS Rate B. AD/CVD Rate C. IRC Rate D. Visa No.	34. Duty and I.R. Tax Dollars	Cents
	B/L: HLCUIS1081100211 Inv #001 -				780412 QTY:	53.22 T		3 VL
001	OTH FL TST25D>API>15<500PM				DISULFIDE OIL			
	2710.19.1013	64680	465 BBL		33119	FREE		
					C3312	0.105¢	48	83
					N			
	Merchandise Processing Fee					0.21%	69	55
	Harbor Maintenance Fee					0.125%	41	40
	INVOICE VALUE: 33119 =				26610	@ 1.244600	EUR	

Other Fee Summary for Block 39
499 MPF 69.55
501 HMF 41.40

35. Total Entered Value	CBP USE ONLY		TOTALS
33,119	A. LIQ CODE	B. Ascertained Duty	37. Duty 48 83
Total Other Fees 110.95	REASON CODE	C. Ascertained Tax	38. Tax 0 00
		D. Ascertained Other	39. Other 110 95
		E. Ascertained Total	40. Total 159 78

36. DECLARATION OF IMPORTER OF RECORD (OWNER OR PURCHASER) OR AUTHORIZED AGENT

I declare that I am the ☐ Importer of record and that the actual owner, purchaser, or consignee for CBP purposes is as shown above, OR ☑ owner or purchaser or agent thereof. I further declare that the merchandise ☑ was obtained pursuant to a purchase or agreement to purchase and that the prices set forth in the invoices are true, OR ☐ was not obtained pursuant to a purchase or agreement to purchase and the statements in the invoices as to value or price are true to the best of my knowledge and belief. I also declare that the statements in the documents herein filed fully disclose to the best of my knowledge and belief the true prices, values, quantities, rebates, drawbacks, fees, commissions, and royalties and are true and correct, and that all goods or services provided to the seller of the merchandise either free or at reduced cost are fully disclosed. I will immediately furnish to the appropriate CBP officer any information showing a different statement of facts.

41. DECLARANT NAME	TITLE	SIGNATURE	DATE
N. LABROZZI as ATTY in FACT			1/19/2009

42. Broker/Filer Information (Name, address, phone number)	43. Broker/Importer File No.
ZIMMER WORLDWIDE LOGISTICS, INC 15710 JFK BLVD., SUITE 575 HOUSTON, TX 77032-2350 PHONE:832-300-5920 FAX:832-201-7479	000780412

CBP Form 7501 (04/05)

EPAHO088002219

U.S.DEPARTMENT OF HOMELAND SECURITY
Bureau of Customs and Border Protection

Form Approved
OMB No. 1651-0024

ENTRY/IMMEDIATE DELIVERY

V - 0
BOX: 99

ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD., SUITE 575
HOUSTON, TX 77032-2350
Ph: 832-300-5920 Fax: 832-201-7479

000780412

19 CFR 142.3, 142.16, 142.22, 142.24

BROKER CODE: BZC
ABI CERTIFIED

1. ARRIVAL DATE	2. ELECTED ENTRY DATE	3. ENTRY TYPE CODE/NAME	4. ENTRY NUMBER
12/23/08	12/23/08	01 CONSUMPTION	BZC-0780412-9
5. PORT	6. SINGLE TRANS. BOND	7. BROKER/IMPORTER FILE NUMBER	
5301 HOUSTON, TX		000780412	
	8. CONSIGNEE NUMBER		9. IMPORTER NUMBER
	76-059298500		SAME

10. ULTIMATE CONSIGNEE NAME	11. IMPORTER OF RECORD NAME
CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TX 77021	CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TX 77021

12. CARRIER CODE	13. VOYAGE/FLIGHT/TRIP	14. LOCATION OF GOODS-CODE(S)/NAME(S)
HOYU HOYER GMBH INTERNATIONAL	L72W	S787 BARBOURS CUT TERMINAL

15. VESSEL CODE/NAME: VERACRUZ EXPRESS

16. U.S. PORT OF UNLADING	17. MANIFEST NUMBER	18. G.O. NUMBER	19. TOTAL VALUE
5301 HOUSTON, TX			35,496.00

20. DESCRIPTION OF MERCHANDISE: DISULFIDE OIL

21. IT/BL/AWB CODE	22. IT/BL/AWB NO.	23. MANIFEST QUANTITY	24. H.S. NUMBER	25. COUNTRY OF ORIGIN	26. MANUFACTURER ID.
M	HLCUIS1081100211	3 VL	2710191013	TR	USCESENV4904HOU

27. CERTIFICATION

I hereby make application for entry / immediate delivery. I certify that the above information is accurate, the bond is sufficient, valid, and current, and that all requirements of 19 CFR Part 142 have been met.

SIGNATURE OF APPLICANT
X NANCY LABROZZI as ATTY in FACT

PHONE NO.	DATE
832-300-5920	01/06/09

28. CBP USE ONLY

☐ OTHER AGENCY ACTION REQUIRED, NAMELY:

☐ CBP EXAMINATION REQUIRED

☐ ENTRY REJECTED, BECAUSE:

DELIVERY AUTHORIZED:	SIGNATURE	DATE

29. BROKER OR OTHER GOVT. AGENCY USE

CUSTOMS TEAM: 674
GROSS WEIGHT: 64680KG TOTAL UNITS: 3

Containers:
HGTU9400058
HOTU1615035
HOTU2411611

COND. RELEASE REQUESTED as per Pipeline #2021

Paperwork Reduction Act Notice: This information is needed to determine the admissibility of imports into the United States and to provide the necessary information for the examination of the cargo and to establish the liability for payment of dutes and taxes. Your response is necessary. The estomated average burden associated with this collection of information is 15 minutes per respondent depending on individual circumstances. Comments concerning the accuracy of thes burden estimate and suggestions for reducing this burden should be directed to Bureau of Customs and Border Protection, Information Services Branch, Washington, DC 20229, and to the Office of Management and Budget, Paperwork Reduction Project (1651-0024), Washington, DC 20503.

Negotiable

COMBINED TRANSPORT BILL OF LADING Code Name: "COMBICONBILL"

Revised 1995

HOYER
GLOBALTRANSPORT

Carrier

HOYER Global Transport B.V.

Shipper (complete name and address)

CES ENVIRONMENTAL SERVICES, INC C/O
KOSOVO MINISTRY OF ENVIRONMENTAND SPATIAL PLANNING
RRUGA "NAZIM GAFURI" NR. 31
10000 TASLIXHE PRISTINA REPUBLIC OF KOSOVO
Tel: +381 38 517 845 Contact person : Ramiz Tafilaj

Bill of Lading no.: HGT 08-0001 TR
Reference no.: 300.08.10.0002

Export references

Consignee (complete name and address)

CES ENVIRONMENTAL SERVICES,INC
4904 GRIGGS ROAD HOUSTON, TEXAS-USA
TEL 713 676 1460

Forwarding agent, F.M.C. no.

Point and country of origin of goods

Routing instructions / Terms of delivery

EXWORKS MITROVICA-KOSOVO

Notify party (It is agreed that no responsibility shall attach to the carrier or his agent for failure to notify of the arrival of the goods.)

SAME AS CONSIGNEE

For delivery please apply to

HOYER GLOBAL TRANSPORT - USA

Place of receipt by precarrier: MITROVICA-KOSOVO

Vessel: YIGITCAN A 18	Voy.	Port of loading: KUMPORT / ISTANBUL	Emergency response information
Port of discharge: HOUSTON-USA		Place of delivery by oncarrier	Freight payable at: DESTINATION

Number of original Bills of Lading: 3

Marks and Nos	Quantity and description of goods	Gross weight, kg, measurement m³
HOTU 241161-1 SEAL NO : HGTU940005-8 SEAL NO : HOTU 161503-5 SEAL NO :	DI SULFIDE OIL SOLUTIONS UN 1993 IMO 3 PG II	G.W : 23.920 MT G.W:18.820 MT G.W:21.940 MT

SHIPPER'S LOAD STOWAGE&COUNT

HS Code: 27101911

Clean on board

Particulars above declared by Shipper

Container units received or handled by containers not supplied by Hoyer Global Transport BV or its offices or agents will be responsible for any damage sustained whilst in the unauthorised containers care.

Freight and charges

FREIGHT COLLECT

DEMURRAGE

Demurrage at destination will start ____ days from arrival date of container

Demurrage rate is set per day*

Shipper's declared value of ____

Subject to payment of above extra charge

Note
The Merchant's attention is called to the fact that according to Clauses 10 to 12 and Clause 24 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay.

*Applicable only when used for multimodal transportation.

RECEIVED the goods in apparent good order and condition and as far as ascertained by reasonable means of checking, as specified above unless otherwise stated.

The Carrier, in accordance with and to the extent of the provisions contained in this Bill of Lading, and with liberty to sub-contract, undertakes to perform and/or in his own name to procure performance of this combined transport and the delivery of the goods, including all services related thereto, from the place and time of taking the goods in charge to the place and time of delivery and accepts responsibility for such transport and such services.

One of the Bills of Lading must be surrendered duly endorsed in exchange for the goods or delivery order.

IN WITNESS whereof THREE (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue: ISTANBUL , 27.10.2008

Signed for
As agent of HOYER Global Transport by Kontinental Kargo
as Carrier

1/3

by ____

As agent(s) only for the Carrier

HO1

3.1.0

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Proforma Invoice

Shipper
Kosovo Ministry of Environmental and Spatial Planning
Rruga Nazim Gafturi Nr 31
Taslixhe Pristine Republic of Kosovo

Date: 12/15/2008
Inv. Number: PI760412

INCOTerms: FOB
POL: Kumport, Istanbul
POE: Houston, TX
Carrier: Hoyer
Vessel: Veracruz Express V72W

Consignee
CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

BL: HLCUIS1081100211 USD USD

Qty - MT	Weight	Description	Unit Price	Total
20.10	20100kg	Disulphide Oil	622.30/T	12,508.23
15.00	15000kg	Disulphide Oil	622.30/T	9334.50
18.12	18120kg	Disulphide Oil	622.30/T	11,276.07

7910.19.1013/BBL/$0.0525

Country of Origin: Kosovo

Subtotal: $33,118.80
Tax: $0.00
Total $33,118.80

CES Environmental

TIV/NGV

1/1

CES Environmental Services, Inc.

TSCA STATEMENT

I CERTIFY THAT ALL CHEMICAL SUBSTANCES IN THIS SHIPMENT (CHECK ONE):

DISULFIDE OIL – 53.22 MT

⊕⊕ DOES COMPLY WITH ALL APPLICABLE RULES OR ORDERS UNDER THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND THAT I AM NOT OFFERING A CHEMICAL SUBSTANCE FOR ENTRY INTO THE UNITED STATES IN VIOLATION OF TSCA OR ANY APPLICABLE RULE OR ORDER UNDER TSCA.

☐ ARE NOT SUBJECT TO THE TOXIC SUBSTANCES CONTROL ACT (TSCA).

PLEASE CONTACT THE UNDERSIGNED IF FURTHER INFORMATION IS REQUIRED.

SIGNATURE: _____
NAME: Matt Bowman
TITLE: President
COMPANY: CES Environmental Services, Inc.
DATE: 01/07/2009

1/2

ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BOULEVARD, SUITE 575
HOUSTON, TX 77032
Tel: 832-300-5920 Fax: 832-201-7479

INVOICE

TO
Attn.: Jennifer Rust
CES ENVIRONMENTAL SERVICES, INC.
4904 GRIGGS ROAD
HOUSTON, TX 77021

INVOICE NO.	DATE
780412-001	1/19/2009
FILE NO.	CUSTOMER NO.
	CESENVIR

Control #: ARC018208
Importer: CES ENVIRONMENTAL SERVICES, INC.
Consignee: CES ENVIRONMENTAL SERVICES, INC.

YOUR REFERENCE PI780412

CARRIER	DEPARTURE	COUNTRY
Vessel: VERACRUZ EXPRESS; Carrier: HLCU - HAPAG LLOYD; Flight/Voyage: 72W	ETD:10/27/2008	KV-KOSOVO

BILLS OF LADING, AIRWAYBILL, HOUSE AIRWAYBILL NO.

Master: HLCUIS1081100211... OCEAN

SHIPMENT		CH.WT.	GR.WT.
DISULFIDE OIL	3VL		64680.00Kg 142596.76Lb

ARRIVAL	ENTRY TYPE	ENTRY NO.	DATE OF ENTRY
HOUSTON, TX, US ETA:12/23/2008	01 - CONSUMPTION	BZC-0780412-9	12/23/2008

DESCRIPTION	AMOUNT(USD)
Entry No.: BZC-0780412-9 Ver.: 000 Broker Ref. No.: 000780412 Ref. No.: 000780412	
1. CDUTY CUSTOMS DUTY	159.78
2. CCUSF CUSTOMS CLEARANCE	125.00
3. CMGRF MESSENGER FEES	25.00
Due Date: 2/2/2009 Balance:	**309.78**

Thank you, Nancy LaBrozzi

Overdue invoices are subject to a monthly finance charge of 2%.
Importer must furnish missing documents within the period of time as required by CBP regulations to avoid CBP penalties.
This order is subject to the terms and conditions on reverse side.

If you are the importer of record, payment to the broker will not relieve you of liability for Customs charges in the event the charges are not paid by the broker. Therefore, if you pay by Check, Customs charges may be paid with a separate Check payable to "The Bureau of Customs and Border Protection"

Created By: NANCY LABROZZI [tel. 832-300-5904]

CST: 674

Form Approved OMB No. 1651-0022

PAPERLESS

DEPARTMENT OF HOMELAND SECURITY
U.S. Customs and Border Protection
ENTRY SUMMARY V - 0

1. Filer Code/Entry No.	2. Entry Type	3. Summary Date
BZC-0780412-9	01 ABI/A	01/21/09

4. Surety No.	5. Bond Type	6. Port Code	7. Entry Date
891	8	5301	12/23/08

8. Importing Carrier	9. Mode of Transport	10. Country of Origin	11. Import Date
HLCU VERACRUZ EXPRESS 72W	11	KV	12/23/08

12. B/L or AWB No.	13. Manufacturer ID	14. Exporting Country	15. Export Date
HLCUIS1081100211	KVKOSMIN31TAS	KV	10/27/08

16. I.T. No.	17. I.T. Date	18. Missing Docs	19. Foreign Port of Lading	20. U.S. Port of Unlading
			48945	5301

21. Location of Goods/G.O. No.	22. Consignee No.	23. Importer No.	24. Reference No.
S787; BARBOURS CUT TERMINAL	SAME	76-059298500	

25. Ultimate Consignee Name and Address

City State TX Zip

26. Importer of Record Name and Address
CES ENVIRONMENTAL SERVICES, INC.
4904 GRIGGS ROAD

City HOUSTON State TX Zip 77021

27. Line No.	28. Description of Merchandise 29. A. HTSUS No. / B. AD/CVD Case No.	30. A. Gross Weight / B. Manifest Qty.	31. Net Quantity in HTSUS Units	32. A. Entered Value / B. CHGS / C. Relationship	33. A. HTSUS Rate / B. AD/CVD Rate / C. IRC Rate / D. Visa No.	34. Duty and I.R. Tax Dollars	Cents
	B/L: HLCUIS1081100211		Inv #001 -	780412	QTY: 53.22 T	3	VL
001	OTH FL TST25D>API>15<500PM 2710.19.1013	64680	465 BBL	DISULFIDE OIL 33119 C3312 N	FREE 0.105c	48	83
	Merchandise Processing Fee				0.21%	69	55
	Harbor Maintenance Fee				0.125%	41	40
	INVOICE VALUE: 33119 =			26610	@ 1.244600	EUR	

Other Fee Summary for Block 39		35. Total Entered Value	CBP USE ONLY		TOTALS
499 MPF	69.55	33,119	A. LIQ CODE	B. Ascertained Duty	37. Duty: 48 83
501 HMF	41.40	Total Other Fees: 110.95	REASON CODE	C. Ascertained Tax	38. Tax: 0 00
				D. Ascertained Other	39. Other: 110 95
				E. Ascertained Total	40. Total: 159 78

36. DECLARATION OF IMPORTER OF RECORD (OWNER OR PURCHASER) OR AUTHORIZED AGENT

I declare that I am the ☐ Importer of record and that the actual owner, purchaser, or consignee for CBP purposes is as shown above, OR ☑ owner or purchaser or agent thereof. I further declare that the merchandise ☑ was obtained pursuant to a purchase or agreement to purchase and that the prices set forth in the invoices are true, OR ☐ was not obtained pursuant to a purchase or agreement to purchase and the statements in the invoices as to value or price are true to the best of my knowledge and belief. I also declare that the statements in the documents herein filed fully disclose to the best of my knowledge and belief the true prices, values, quantities, rebates, drawbacks, fees, commissions, and royalties and are true and correct, and that all goods or services provided to the seller of the merchandise either free or at reduced cost are fully disclosed. I will immediately furnish to the appropriate CBP officer any information showing a different statement of facts.

41. DECLARANT NAME	TITLE	SIGNATURE	DATE
N. LABROZZI as ATTY in FACT			1/19/2009

42. Broker/Filer Information (Name, address, phone number)	43. Broker/Importer File No.
ZIMMER WORLDWIDE LOGISTICS, INC 15710 JFK BLVD., SUITE 575 HOUSTON, TX 77032-2350 PHONE:832-300-5920 FAX:832-201-7479	000780412

CBP Form 7501 (04/05)

EPAHO088002225

Proforma Invoice

Shipper
Kosovo Ministry of Environmental and Spatial Planning
Rruga Nazim Gaffuri Nr 31
Taslixhe Pristina Republic of Kosovo

Date: 12/15/2008
Inv. Number: PI780412

INCOTerms: FOB
POL: Kumport, Istanbul
POE: Houston, TX
Carrier: Hoyer
Vessel: Veracruz Express V72W

Consignee
CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

BL: HLCUIS1081100211 USD USD

Qty - MT	Weight	Description	Unit Price	Total
20.10	20100kg	Disulphide Oil	622.30/T	12,508.23
15.00	15000kg	Disulphide Oil	622.30/T	9334.50
18.12	18120kg	Disulphide Oil	622.30/T	11,276.07

7910.19.1013/BBL/$0.0525

Country of Origin: Kosovo

Subtotal: $33,118.80
Tax: $0.00
Total $33,118.80

CES Environmental

TIV/NGV

1/1

CES Environmental Services, Inc.

TSCA STATEMENT

I CERTIFY THAT ALL CHEMICAL SUBSTANCES IN THIS SHIPMENT (CHECK ONE):

DISULFIDE OIL – 53.22 MT

⌧ DOES COMPLY WITH ALL APPLICABLE RULES OR ORDERS UNDER THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND THAT I AM NOT OFFERING A CHEMICAL SUBSTANCE FOR ENTRY INTO THE UNITED STATES IN VIOLATION OF TSCA OR ANY APPLICABLE RULE OR ORDER UNDER TSCA.

☐ ARE NOT SUBJECT TO THE TOXIC SUBSTANCES CONTROL ACT (TSCA).

PLEASE CONTACT THE UNDERSIGNED IF FURTHER INFORMATION IS REQUIRED.

SIGNATURE: _____
NAME: Matt Bowman
TITLE: President
COMPANY: CES Environmental Services, Inc.
DATE: 01/07/2009

1/2

Negotiable

COMBINED TRANSPORT BILL OF LADING Code Name: "COMBICONBILL"

Revised 1995

HOYER
GLOBALTRANSPORT

Carrier

HOYER Global Transport B.V.

Shipper (complete name and address) CES ENVIRONMENTAL SERVICES, INC C/O KOSOVO MINISTRY OF ENVIRONMENTAND SPATIAL PLANNING RRUGA "NAZIM GAFURI" NR. 31 10000 TASLIXHE PRISTINA REPUBLIC OF KOSOVO Tel: +381 38 517 845 Contact person : Ramiz Tafilaj	Bill of Lading no.: HGT 08-0001 TR Reference no.: 300.08.10.0002 Export references
Consignee (complete name and address) CES ENVIRONMENTAL SERVICES,INC 4904 GRIGGS ROAD HOUSTON, TEXAS-USA TEL 713 676 1460	Forwarding agent, F.M.C. no. Point and country of origin of goods
Notify party (It is agreed that no responsibility shall attach to the carrier or his agent for failure to notify of the arrival of the goods.) SAME AS CONSIGNEE	Routing instructions / Terms of delivery EXWORKS MITROVICA-KOSOVO
Place of receipt by precarrier* MITROVICA-KOSOVO	For delivery please apply to HOYER GLOBAL TRANSPORT - USA

Vessel / Voy.	Port of loading	Emergency response information	
YIGITCAN A 18	KUMPORT / ISTANBUL		
Port of discharge	**Place of delivery by oncarrier***	**Freight payable at**	**Number of original Bills of Lading**
HOUSTON-USA		DESTINATION	3

Marks and Nos	Quantity and description of goods	Gross weight, kg, measurement m³
HOTU 241161-1 SEAL NO : HGTU940005-8 SEAL NO : HOTU 161503-5 SEAL NO :	DI SULFIDE OIL SOLUTIONS UN 1993 IMO 3 PG II	G.W : 23.920 MT G.W:18.820 MT G.W:21.940 MT

SHIPPER'S LOAD STOWAGE&COUNT

HS Code: 27101911

Clean on board

Particulars above declared by Shipper

Containers and cargo not loaded or handled by operations not authorized by Hoyer Global Transport BV or its offices or agents will be responsible for any damage sustained whilst in the unauthorized contractors care.

Freight and charges

FREIGHT COLLECT

DEMURRAGE

Demurrage at destination will start ____ days from arrival date of container

Demurrage rate is set ____ per CBM*

Shipper's declared value of .....

Subject to payment of above extra charge

Note:
The Merchant's attention is called to the fact that according to Clauses 10 to 12 and Clause 24 of this Bill of Lading, the liability of the Carrier is, in most cases, limited in respect of loss of or damage to the goods and delay.

*Applicable only when used for multimodal transportation.

RECEIVED the goods in apparent good order and condition and as far as ascertained by reasonable means of checking, as specified above unless otherwise stated.

The Carrier, in accordance with and to the extent of the provisions contained in this Bill of Lading, and with liberty to sub-contract, undertakes to perform and/or in his own name to procure performance of this combined transport and the delivery of the goods, including all services related thereto, from the place and time of taking the goods in charge to the place and time of delivery and accepts responsibility for such transport and such services.

One of the Bills of Lading must be surrendered duly endorsed in exchange for the goods or delivery order.

IN WITNESS whereof THREE (3) original Bills of Lading have been signed, if not otherwise stated above, one of which being accomplished the other(s) to be void.

Place and date of issue ISTANBUL , 27.10.2008

Signed for
As agent of HOYER Global Transport by Kontinental Kargo
as Carrier

by 1/3

As agent(s) only to the Carrier

HO1

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UP: Barbours Cut, Texas - Windows Internet Explorer

http://www.uprr.com/customers/intermodal/intmap/barb_cut.shtml

File Edit View Favorites Tools Help

AVG barbours cut laporte hours of operat Search Active Surf-Shield Search-Shield AVG Info

Google 8 ours cut laporte hours of operation Search Bookmarks Find Check

UP: Barbours Cut, Texas

UNION PACIFIC BUILDING AMERICA

Intermodal Facilities Maps

Customers

San Antonio Intermodal Facilities

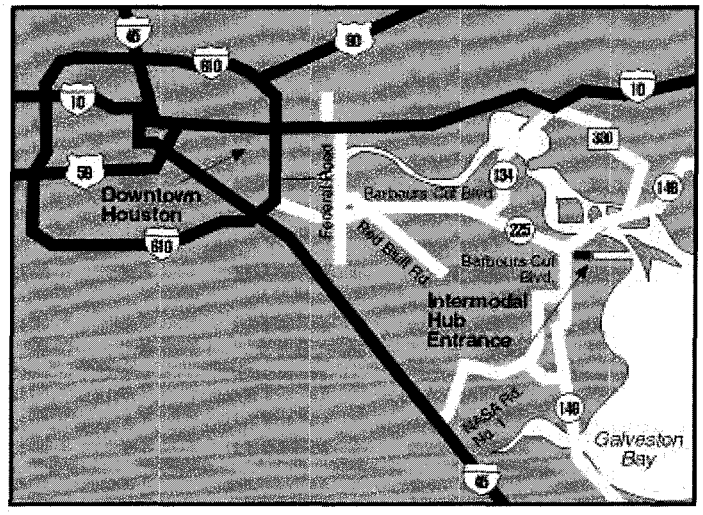
San Antonio, Texas

San Antonio (TOFC), Texas

Report Emergencies Contact UP Police:
1-888-877-7267

Home → Customers → Intermodal → Intermodal Facilities Maps

Barbours Cut, Texas



Terminal Information

Location: 515 East Barbours Cut Blvd. La Porte, TX 77571

Terminal Capabilities: COFC

Directions: From Intercontinental Airport take JFK Blvd. to either I-45 or I- first traffic signal, turn left on Barbours Cut Blvd. for 1.5 – 2 miles; SP Barb

Fax: (281) 471-5212

Hours of Operation: Monday – Friday, 8 a.m. – 5 p.m.

National Customer Service Center

Intermodal Phone
Intermodal Fax

Schedule Information

EPAHO088002229

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Tuesday, January 13, 2009 9:50 AM
To: Nancy LaBrozzi
Subject: RE: Kosovo Iso Containers

What is the address where the tanks Are and what is the latest time i can pick them up?

From: Nancy LaBrozzi <nlabrozzi@zimmerworldwide.com>
Sent: Tuesday, January 13, 2009 9:43 AM
To: Jennifer Rust <jrust@cesenvironmental.com>
Subject: RE: Kosovo Iso Containers

I left you a VM on your cell. In order to get these picked up Hapag Lloyd needs payment on the terminal storage.

$1600/tank through today, total $4800.00

Their address is:

Hapag Lloyd
11410 Greens Crossing
Ste 400
Houston, TX 77067

Hapag has to receive, post and advise the terminal of release so the quicker the better. Since you are out of the office is there someone in the office I can talk to about this?

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Tuesday, January 13, 2009 9:41 AM
To: Nancy LaBrozzi
Subject: RE: Kosovo Iso Containers

Please call me - i need to know where the boxes Are so we can pick them up

---

From: Nancy LaBrozzi <nlabrozzi@zimmerworldwide.com>
Sent: Tuesday, January 13, 2009 9:14 AM
To: Jennifer Rust <jrust@cesenvironmental.com>; 'Zenaida Bondoc' <Zenaida.Bondoc@Hoyer-Global.com>
Cc: 'Knut Scharning' <knutsolo@sbcglobal.net>; Greg Bowman <gbowman@cesenvironmental.com>
Subject: RE: Kosovo Iso Containers

Hi Zenaida/Jennifer:

ABI shows these tanks Customs released. Please urgently advise storage so we can get the tanks pulled from BC today.

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Tuesday, January 13, 2009 9:11 AM
To: Nancy LaBrozzi; 'Zenaida Bondoc'
Cc: 'Knut Scharning'; Greg Bowman
Subject: RE: Kosovo Iso Containers

Do we need to supply the transporters?

From: Nancy LaBrozzi <nlabrozzi@zimmerworldwide.com>
Sent: Tuesday, January 13, 2009 9:03 AM
To: 'Zenaida Bondoc' <Zenaida.Bondoc@Hoyer-Global.com>; Jennifer Rust <jrust@cesenvironmental.com>
Cc: 'Knut Scharning' <knutsolo@sbcglobal.net>; Greg Bowman <gbowman@cesenvironmental.com>
Subject: RE: Kosovo Iso Containers

Hi Zenaida/Jennifer:

Please advise status of storage/demurrage. We are ready to move the tanks to World Trade today.

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Monday, January 12, 2009 4:16 PM
To: Jennifer Rust; Nancy LaBrozzi
Cc: Knut Scharning; Greg Bowman
Subject: RE: Kosovo Iso Containers

Jennifer,

You need to contact your broker Nancy Labrozzi, she's the one who's dealing with customs. Customs exam is beyond our hands right now since we have already given the carrier the release order. It is now in the hands of Bureau of Customs.

Nancy, please advise CES what's the latest status.

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

Save a tree. Don't print this e-mail unless it's really necessary.

Please take note of our New Address:

2100 Space Park Dr.
Suite 200
Houston, Texas 77058

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Monday, January 12, 2009 4:12 PM
To: Zenaida Bondoc
Cc: Nancy LaBrozzi
Subject: RE: Kosovo Iso Containers

Is there someone I can call to inquire about the customs exam? To check with them daily on the progress?

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Monday, January 12, 2009 3:27 PM
To: Jennifer Rust
Subject: RE: Kosovo Iso Containers

You'll have to pick up the containers as soon as they will be done for the customs exam and unload them. Then return the empty tanks as soon as they were fully discharged.

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

Save a tree. Don't print this e-mail unless it's really necessary.

Please take note of our New Address:

2100 Space Park Dr.
Suite 200
Houston, Texas 77058

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Monday, January 12, 2009 2:24 PM
To: Zenaida Bondoc
Subject: RE: Kosovo Iso Containers

How can we expidite this process so we can get them off rent ASAP?

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Monday, January 12, 2009 1:10 PM
To: Jennifer Rust; Nancy LaBrozzi
Cc: Greg Bowman; Knut Scharning
Subject: RE: Kosovo Iso Containers

Jennifer,
As per the contract, tank lease will continue up until when the empty tanks will be returned to our depot. That 's the case for all our tanks.

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

Save a tree. Don't print this e-mail unless it's really necessary.

Please take note of our New Address:

2100 Space Park Dr.
Suite 200

Houston, Texas 77058

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Monday, January 12, 2009 12:59 PM
To: Zenaida Bondoc; Nancy LaBrozzi
Subject: RE: Kosovo Iso Containers

Even though we are ready to pick the boxes up? This seems unfair.

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Monday, January 12, 2009 12:56 PM
To: Jennifer Rust; Nancy LaBrozzi
Subject: RE: Kosovo Iso Containers

YES....

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

Save a tree. Don't print this e-mail unless it's really necessary.

Please take note of our New Address:

2100 Space Park Dr.
Suite 200
Houston, Texas 77058

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Monday, January 12, 2009 12:55 PM
To: Nancy LaBrozzi; Zenaida Bondoc
Subject: RE: Kosovo Iso Containers

Do we still have to pay for the rent while the boxes are under this forced "review"?

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Nancy LaBrozzi [mailto:nlabrozzi@zimmerworldwide.com]
Sent: Friday, January 09, 2009 8:40 AM
To: Jennifer Rust; Zenaida.Bondoc@Hoyer-Global.com
Subject: RE: Kosovo Iso Containers

Customs has put this on intensive exam.

Zenaida: What facility does Customs use for their intensive exams on your isos? This again is not a GO situation as Customs has control over the movement of the cargo and they have the documentation for entry.

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Friday, January 09, 2009 8:41 AM
To: Zenaida.Bondoc@Hoyer-Global.com
Cc: Nancy LaBrozzi
Subject: Kosovo Iso Containers
Importance: High

Can anyone give me an idea on when these will be available for pick up? Anyway to expedite the process??!!

Thank You,

Jenny Rust

CES Environmental Services, Inc.
Office: 713-676-1460
Direct: 713-800-7913
Cell: 713-367-8581
Fax: 713-676-1676
jrust@cesenvironmental.com
Visit us at http://cesenvironmental.com

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HOYER Global Transport B.V.,
Boyleweg 6,
3208 KA-Spijkenisse - The Netherlands
P.O. Box 15, 3200 AA - Spijkenisse - The Netherlands
Telephone: +31 (0) 181 691 600
Fax: +31 (0) 181 691 699
VAT NL 001242465B01
Chamber of Commerce Rotterdam Number 2411398

D I S C L A I M E R

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Fax: +31 (0) 181 691 699
VAT NL 001242465B01
Chamber of Commerce Rotterdam Number 2411398

EPAHO088002237

Jennifer Rust

From: Nancy LaBrozzi [nlabrozzi@zimmerworldwide.com]
Sent: Tuesday, January 13, 2009 4:31 PM
To: Jennifer Rust; CES/Ramiz Tafilaj; 'Knut Scharning'
Subject: Kosovo Isos

Hi All:

The tanks are showing ready for pickup through tomorrow, 1/14. After tomorrow additional storage will be due.

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

Jennifer Rust

From: Zenaida Bondoc [Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 13, 2009 12:16 PM
To: Nancy LaBrozzi
Cc: Jennifer Rust; CES/Ramiz Tafilaj
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Hi Nancy,

I am sorry Nancy but we do not guarantee charges with the carrier we usually send a check. You can use credit card to pay for the wharfage.

I wish I can help you...

From: Nancy LaBrozzi [mailto:nlabrozzi@zimmerworldwide.com]
Sent: Tuesday, January 13, 2009 12:08 PM
To: Zenaida Bondoc
Cc: Jennifer Rust; CES/Ramiz Tafilaj
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Hi Zenaida:

In order to expedite release can you guarantee these charges with Hapag and invoice us? Let me know urgently.

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Milling, Sue [mailto:Sue.Milling@hlag.com]
Sent: Tuesday, January 13, 2009 12:09 PM
To: Zenaida Bondoc; Mustafa Cetinyol; Nancy LaBrozzi
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

you are correct the arrival notice/invoice was sent to consignee w/chgs ** and you were advised of the demurrage charges ** do so apologize ** so many emails getting lost here.

Thank you and
Best Regards,
Sue Milling
Hapag Lloyd Import Dept.
Houston, Texas
ph: 866-881-1374

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 13, 2009 12:03 PM
To: Milling, Sue; Mustafa Cetinyol; Nancy LaBrozzi
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Hi Sue,
I don't think we were advise on this, I have check all the email correspondence. I was advised by Hapag Import that they cannot give me further details because Hoyer is not a part of the carrier bill of lading so we don't even have a copy of the bill of lading.

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**
P **Save a tree. Don't print this e-mail unless it's really necessary.**
Please take note of our New Address:
2100 Space Park Dr.
Suite 200
Houston, Texas 77058

From: Milling, Sue [mailto:Sue.Milling@hlag.com]
Sent: Tuesday, January 13, 2009 11:59 AM
To: Zenaida Bondoc; Mustafa Cetinyol; Nancy LaBrozzi
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Yes, believe I have told you this ** and now containers are in demurrage ** LDF: 01/05/2009
****whf: $163.59**
****Dmd rate: $200 per day = $1600 x 3 ctrs = $4800 ** this is calculated thru today 13th.**

Thank you and
Best Regards,
Sue Milling
Hapag Lloyd Import Dept.
11410 Greens Crossing Blvd., Suite 400,
Houston, Texas 77067
ph: 866-881-1374

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 13, 2009 11:54 AM
To: Milling, Sue; Mustafa Cetinyol; Nancy LaBrozzi

Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Hi Sue,
As per the customer there is a wharfage due .... for these 3 tanks, please confirm if this is correct as we were not advised nor the customer that this is due.
thanks a lot and I appreciate your help.

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**
P **Save a tree. Don't print this e-mail unless it's really necessary.**
Please take note of our New Address:
2100 Space Park Dr.
Suite 200
Houston, Texas 77058

From: Milling, Sue [mailto:Sue.Milling@hlag.com]
Sent: Wednesday, January 07, 2009 8:53 AM
To: Mustafa Cetinyol; Zenaida Bondoc
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

pls note ** containers must be entered and cleared w/customs * so who ever has been assigned as your custom house broker in Houston, needs to make entry and clear the containers before the end of this week or they will be move to a warehouse and all dray/devan/storage charges will be for the account of cargo. It is not the responsibility of the line to make sure your cargo entered and cleared thru customs but the consignee or his brokers. Pls assist in getting these containers entered and cleared with U.S. Customs.**

Thank you and
Best Regards,
Sue Milling
Hapag Lloyd Import Dept.
Houston, Texas
ph: 866-881-1374

From: Mustafa Cetinyol [mailto:mcetinyol@kontinental.com.tr]
Sent: Wednesday, January 07, 2009 7:27 AM
To: Milling, Sue; 'Zenaida Bondoc'
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Dear all,

Per attached express release newed by HPL-IST office, we beleive that we completed our portion inreleasing the subject cargo.
Should you need further assistance from our end, kindly let us know by return.
Thank you all for excellent cooperation.
Kind regards

Mustafa Cetinyol
Commercial Manager
****
Kontinental Kargo Forwarding & Trading Co.

As agent for Hoyer Global BV, Rotterdam
Bagdat Cad.Buyukhanli Konutlari B1 Block
4/15 Suadiye-34740 Istanbul/Turkiye
TEL :+90 216 4689800 pbx
FAX :+90 216 4106532
DRT :+90 216 4689836
www.kontinental.com.tr
****

From: Milling, Sue [mailto:Sue.Milling@hlag.com]
Sent: Tuesday, January 06, 2009 9:14 PM
To: Zenaida Bondoc
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary; mcetinyol@kontinental.com.tr; mcetinyol@kontinental.com.tr
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

thank you ** they need to hurry and make entry ** it will be ordered tomorrow the 7th.

Thank you and

Best Regards,

Sue Milling
Hapag Lloyd Import Dept.

Houston, Texas

ph: 866-881-1374

<HRsize=2 width="100%" align=center tabIndex=-1>
From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 06, 2009 1:13 PM
To: Milling, Sue
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary; mcetinyol@kontinental.com.tr; mcetinyol@kontinental.com.tr
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

I will advise the customer accordingly.

Kind Regards,

Zenaida M. Bondoc

Imports Supervisor
Hoyer Global (USA), Inc.

Phone: 281-853-1000
Direct: 281-853-1079

Mobile: 832-277-6339
Email: zenaida.bondoc@hoyer-global.com

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Please take note of our New Address:
2100 Space Park Dr.

Suite 200

Houston, Texas 77058

<HRsize=2 width="100%" align=center tabIndex=-1>

From: Milling, Sue [mailto:Sue.Milling@hlag.com]
Sent: Tuesday, January 06, 2009 1:05 PM
To: Zenaida Bondoc
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary; mcetinyol@kontinental.com.tr; mcetinyol@kontinental.com.tr
Subject: FW: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Zenaida,

we can remove the hold ** but the cargo is pending general order today **it has to be entered and cleared w/customs.

Also, wharfage charges are due as well as an original bill of lading, and demurrage charges. Pls advise.

LDF: 01-05-2009

Demurrage rates:

Special Equipment - Flat Rack, Open Top and Hard Top Equipment; Tank and Ventilated Containers: $200 per container per calendar day + weekends and holidays.
Thank you and

Best Regards,

Sue Milling

Hapag Lloyd Import Dept.

Houston, Texas

ph: 866-881-1374

<HRsize=2 width="100%" align=center tabIndex=-1>

EPAHO088002243

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 06, 2009 12:48 PM
To: Milling, Sue
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary; mcetinyol@kontinental.com.tr; Chrystal Jackson
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

HI Sue,

Then hold can be lifted now... please kindly advise.

thanks a lot for all your help.

Kind Regards,

Zenaida M. Bondoc

Imports Supervisor
Hoyer Global (USA), Inc.

Phone: 281-853-1000
Direct: 281-853-1079

Mobile: 832-277-6339
Email: zenaida.bondoc@hoyer-global.com

P Save a tree. Don't print this e-mail unless it's really necessary.
Please take note of our New Address:
2100 Space Park Dr.

Suite 200

Houston, Texas 77058

<HRsize=2 width="100%" align=center tabIndex=-1>

From: Milling, Sue [mailto:Sue.Milling@hlag.com]
Sent: Monday, January 05, 2009 4:35 PM
To: Zenaida Bondoc
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary; mcetinyol@kontinental.com.tr
Subject: FW: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Good afternoon Zenaida,

just to follow up on containers that are still on hold ** pls note today the 5th of January is the last day of free time.

At 05:00 PM today the container will be in demurrage at a cost of $200 per day per container, weekends and holidays included. Also, customs will allow cargo to sit on dock for fifteens days from date of arrival with out a customs entry and release before they order it to general order, this vessel arrived Houston 12/24/08 ** on 01-08-2009 it will become eligible for general order. We do need these to be customs released before or on the 8th to avoid being seized by customs.

Thank you and

Best Regards,

Sue Milling

Hapag Lloyd Import Dept.

Houston, Texas

ph: 866-881-1374

<HRsize=2 width="100%" align=center tabIndex=-1>

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, December 30, 2008 10:21 AM
To: Milling, Sue
Cc: mcetinyol@kontinental.com.tr; Brewton, Mary; Yoder, Peter; Dominguez, Elia; LaPicola, Sheila
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Thanks a lot Sue

Have a blessed New Year !!!

<HRsize=2 width="100%" align=center tabIndex=-1>

From: Milling, Sue [mailto:Sue.Milling@hlag.com]
Sent: Tuesday, December 30, 2008 10:05 AM
To: Zenaida Bondoc
Cc: mcetinyol@kontinental.com.tr; Brewton, Mary; Yoder, Peter; Dominguez, Elia; LaPicola, Sheila
Subject: FW: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Good day,

pls note LDF: 01-05-2009 ** demurrage for tanks is $200 per day plus weekends and holidays.

Thank you and

Best Regards,

Sue Milling

Hapag Lloyd Import Dept.

11410 Greens Crossing Blvd., Suite 400,

Houston, Texas 77067

ph: 866-881-1374

fx: 281-885-7033

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, December 30, 2008 9:42 AM
To: Milling, Sue; mcetinyol@kontinental.com.tr

Cc: Brewton, Mary; Yoder, Peter; Dominguez, Elia; LaPicola, Sheila
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Good Morning Sue,

Please kindly advise demurrage charges for these tanks.

I appreciate your help.

Kind Regards,

Zenaida M. Bondoc

Imports Supervisor
Hoyer Global (USA), Inc.

Phone: 281-853-1000
Direct: 281-853-1079

Mobile: 832-277-6339
Email: zenaida.bondoc@hoyer-global.com

D I S C L A I M E R

All business is subject to:

1) Combicon conditions, containing a jurisdiction clause electing the District Court of Rotterdam as the competent forum, will be applicable in case a HOYER Global Transport Bill of Lading will be issued,

2) Fenex conditions, containing an Arbitration clause, will be applicable for all forwarding services and all services and/or activities not being covered by the Combicon conditions.

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HOYER Global Transport B.V.,
Boyleweg 6,
3208 KA-Spijkenisse - The Netherlands
P.O. Box 15, 3200 AA - Spijkenisse - The Netherlands
Telephone: +31 (0) 181 691 600
Fax: +31 (0) 181 691 699
VAT NL 001242465B01
Chamber of Commerce Rotterdam Number 2411398

DISCLAIMER

All business is subject to:

1) Combicon conditions, containing a jurisdiction clause electing the District Court of Rotterdam as the competent forum, will be applicable in case a HOYER Global Transport Bill of Lading will be issued,

2) Fenex conditions, containing an Arbitration clause, will be applicable for all forwarding services and all services and/or activities not being covered by the Combicon conditions.

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Fax: +31 (0) 181 691 699
VAT NL 001242465B01
Chamber of Commerce Rotterdam Number 2411398

EPAHO088002247

NB

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1678

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : 1/16/2009

Manifest # :

Client : CES Environmental Services, Inc.

Ticket : 79741

Phone : 7136761460

Consignee : DANA Container

Transporter : CES Environmental Services, Inc.

Signature

Signature

Leave CES Yard :	0706	Arrive At Destination	
Arrive At Customer :	07:33	Begin Unloading :	
Begin Loading :	08:15	Finish Unloading :	
Finish Loading :	08:25	Leave Destination :	
Leave Customer :	08:30	Arrive At CES Yard :	900

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	141302
Tare Weight :		Begining Odometer :	141263
Net Weight :		Total Miles :	000039

Driver : WILFRIDO ABREU Tractor # : 291 Tote # :

Signature : Trailer # : BOHZ 432141 Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002248

- ❑ AVENEL
- ❑ BALTIMORE
- ❑ BAYAMON
- ❑ CHARLOTTE
- ❑ CRESTWOOD
- ❑ DETROIT
- ❑ JACKSONVILLE
- ❑ LA PORTE
- ❑ NITRO
- ❑ PAULSBORO
- ❑ SUMMIT

® DANA TANK CONTAINER, INC.

№ 263372

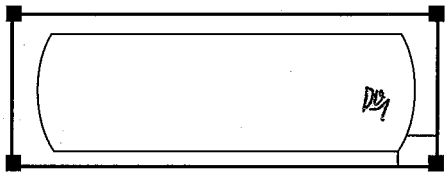
210 EAST ESSEX AVENUE • P.O. BOX 370 • AVENEL, NEW JERSEY 07001

DATE OF INSPECTION	PLACE OF INSPECTION	CONTAINER NUMBER	IN / OUT
1/16/09	DANA	HOTU 241161-1	8:00 AM
DELIVERED BY	**FOR**	**RECEIVED BY**	**FOR**
CES ENVIRONMENTAL	291		
LOCATION OF INTERCHANGE			**REF. #**
ADDRESS 902 SENS RD	CITY LAPORTE,	STATE TX 77571	

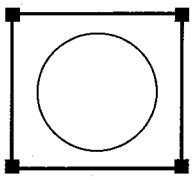
RECEIVER INTERCHANGE — Inspect Carefully! Conditions not flagged on this form will be for your account.

EQUIPMENT CONDITION INSPECTION REPORT—
Mark appropriate diagram(s) with abbreviated notations indicated below. Use the bottom lines under the corresponding diagram columns to explain in detail the conditions of the tank.
INSPECT CAREFULLY!
Please mark clearly all damages and conditions— Remember you are responsible for all omissions. Use only these codes on squares in the diagrams to show the condition of the equipment.

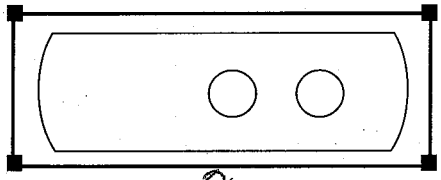
BE	Bent	B	Bruise	DE	Dent	L	Loose	P	Punctured
BR	Broken	C	Cut	H	Hole	M	Missing	R	Rusty



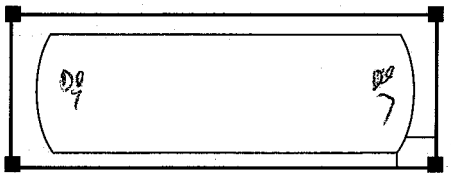
LEFT



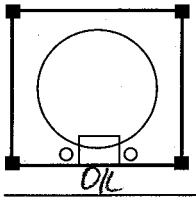
FRONT OK



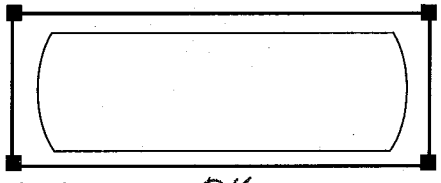
TOP OK



RIGHT



REAR OK



BOTTOM OK

FIXTURES

good	bad	–TOP–	IM
		1. manhole dome	101
		2. manhole gasket	
		3. safety devices protective covers	
		4. gauging stick	
		5. spill boxes	
		6. safety relief valve	
		7. calibration chart	
		8. rupture disks	
		9. air intake cap	
		10. air intake valve	
		11. manometers	
		12. dip tube	
		13. dip tube valve	
		14. blind flange	

good	bad	–REAR–
		15. thermometer
		16. internal foot valve
		17. remote foot valve
		18. coil intake
		19. coil outlet
		20. intake cap
		21. outlet cap

good	bad	L24000
		22. external discharge valve
		23. discharge valve cap
		24. tir placard

		–MISC.–
		25. required data plate(s)
		25A. MFD 98
		26. CSC date 12/98
		27. 5yr 3/07 2.5yr 3/04

INTERNAL STATE OF THE TANK

yes	no	
✓		28A. loaded
		28. clean
		29. dirty
		30. corroded/rusted
		31. last product

EXTERNAL STATE OF TANK AND FRAME

good	bad	
		32. painting
		33. insulation
		34. markings
		35. ladders
		36. walkway

BONT

291 432141

FOR DELIVERING CARRIER: THIS EQUIPMENT WAS DELIVERED IN GOOD CONDITION, EXCEPT AS NOTED ABOVE.
BY _____ DATE 1/16/09

FOR RECEIVING CARRIER: THIS EQUIPMENT WAS RECEIVED IN GOOD CONDITION, EXCEPT AS NOTED ABOVE.
BY _____ DATE 1/16/09

DRIVER

EPAHO088002249

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Kosovo Government Disulfide Oil Project

Customer : CES Environmental Services, Inc.
Address : 4904 Griggs Rd
City,State,Zip : Houston TX , 77021
CES Contact : () -

Driver : Abreu Wilfido
Helper :
Date : 1/16/2009 Time :
Truck # 291 Trailer # BOHZ 432141

Job Description :

Take empty iso container from CES Yard & deliver to Dana Container for cleaning.

Return to CES

Last Contained: RQ, Flammable Liquids, N.O.S. (disulfide oil), 3, UN1993, PG II

ID #: 79741

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:		Name:	
Close:	04:30 PM	Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

LOADING FROM (i.e. Tank):

SIZE OF FITTING:

TYPE OF FITTING:

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☐ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☐ YES ☐ NO **IF YES, HOW MANY?** 0

EQUIPMENT NEEDED:

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1678

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : 1/27/2009 **Manifest # :**

CES Environmental @ OANA Container

Client : **Ticket :** 80200

Phone : 7136781460 **Consignee :** Hoyer Terminal Services

CES Environmental Services, Inc.

Transporter :

Signature **Signature**

Leave CES Yard :		**Arrive At Destination**	9:30
Arrive At Customer :	7:55	**Begin Unloading :**	9:45
Begin Loading :	7:55	**Finish Unloading :**	9:55
Finish Loading :	7:	**Leave Destination :**	10.00
Leave Customer :	8:1	**Arrive At CES Yard :**	

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		**Ending Odometer :**	
Tare Weight :		**Begining Odometer :**	
Net Weight :		**Total Miles :**	

Driver : Garza, Alfredo **Tractor # :** 289 **Tote # :**

Signature : **Trailer # :** iso chasis **Box # :**

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002252

9:23

HOYER
GLOBALTRANSPORT

CHECK REPORT

TERMINAL SERVICES

GENERAL INFORMATION

EQUIPMENT NUMBER: HGTU 940005.8	LOCATION: HOUSTON	DATE: 1-27-09
EQUIPMENT OWNER:	EQUIPMENT MANUFACTURER:	TRANSPORT: CES
TANK OPERATOR: HGT	CUSTOMER REFERENCE NUMBER: 172265	WORK ORDER NUMBER:
IN: 1-27-09 / TIME: 9:42	OUT:	DESTINATION:

TANK SPECIFICATIONS

PREVIOUS PRODUCT: Inclm WKC 1/26/09				HOYER PRODUCT NUMBER:
CLASS:	UN:	PG:	PLACARDS/MARKINGS: SVC	
LAST TEST DATE: 09/07	NEXT TEST DATE: 03/10	CSC DATE: 09/07	LEAK CHECK DATE:	CAPACITY: 79118L
T/T: 101 / BAR: 4	COMMENTS:			

TANK: INTERNAL STATUS / INNEN

	YES	NO
Clean / Sauber	☐	☐
Corroded / Korrosion	☐	☐
Discoloration / Verfarbung	☐	☐
Damage by vacuum / Vakuumschaden	☐	☐

TANK: EXTERNAL STATUS / AUSSEN

	YES	NO
Spillage / Uberlaufe	☐	☐
Frame rusty / Rost am Rahmen	☐	☐
Outside Clean / Außen sauber	☐	☐

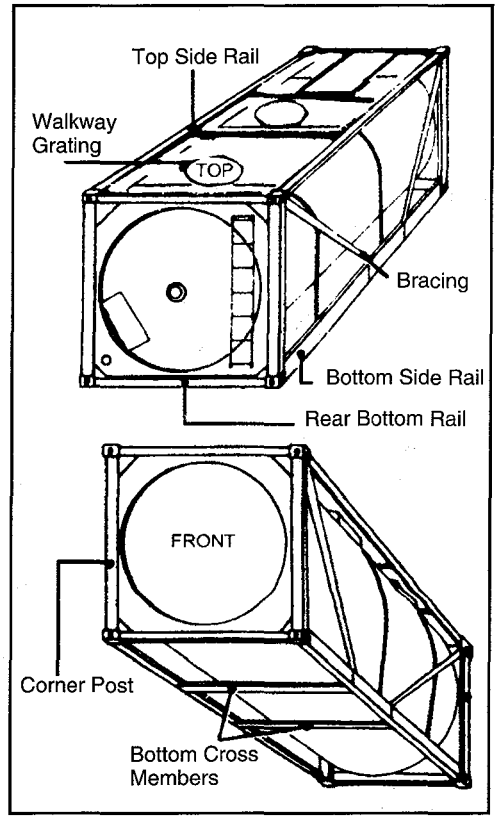
TANK: TECHNICAL STATUS TECHNISCHER ZUSTAND

	YES	NO
Tank Pressure Test / UDruckprufung (Betriebsdruck)	☐	☐
Steam Box Press. Test / Dampfheizungsdruckprufung	☐	☐
Electric Heating Check / Elektr. Heizungsprufung	☐	☐
Counter left: Counter right:	☐	☐

DAMAGE CODE: SCHADEN:
B: bent / verbogen
C: cut / Riß
D: dent: / Beule
H: hole / Loch
BR: broken / gebrochen
L: loose / lose
M: missing / fehlt
SC: scratched / Schramme

	ITEM	DAMAGE CODE
CLEANING	1. Certificate	Yes
	2. Interior	
	3. Exterior	Clean
	4. Foreign Markings	
FRAME	5. Underside	
	6. Left hand side	
	7. Front	
	8. Right hand side	
	9. Rear	
	10. Top	
	11. Walkway	
INSULATION CLADDING	12. Underside	
	13. Left hand side	
	14. Front	
	15. Right hand side	
	16. Rear	
	17. Top	

MANWAY	18. Swingbolts	X
	19. Manlid	✓
	20. Seal SWR/PTFE/Other	None
	21. Dipstick	
	22. Calibration Chart	✓
SAFETY VALVES	23. Flame Trap	
	24. PV Valves	✓
	25. Bursting Disc / Gauge	
TOP VALVES	26. Airline Cap/Seal	✓
	27. Airline/Valve/Gauge	✓
	28. Outlet Blank	✓
	29. Spring/Butterfly Valve	
SHELL INTERIOR	30. Syphon Tube	
	31. Surface Condition	✓
	32. Shell Damage	No
BTM VALVES	33. Foot Valve	✓
	34. Ball/Butterfly Valve	✓
	35. Outlet Cap/Blank	✓
	36. Remote Trip IM101	✓
HEATING	37. Steam Tube/Cap	✓
	38. Thermometer	✓
	39. Electric	
	40. Electric/Cable/Plug	
MISC	41. Decal/Data Plate	✓
	42. Document Holder	✓



DRIVER: [signature] DATE: 1-27-09

INSPECTOR: [signature] DATE: 1-27-09

EPAHO088002253

HOYER Global (USA), Inc.

2100 Space Park Dr., Suite 200
Houston, Texas 77058 USA

Telephone +1 281 853 1000
Telefax +1 281 853 1199

Terminal Services:
9938 Chemical Road
Pasadena, Texas 77507 USA

Telephone +1 281 727 3720
Telefax +1 281 291 9461

globalinfo@hoyer-global.com
www.hoyer-global.com

HOYER
GLOBALTRANSPORT

CES Environmental Services, Inc
Greg Bowman
4904 Griggs RD
Houston, TX 77021
USA - Gulf Coast
VAT NO.:

Date	Invoice	Deb. no.
04/02/2009	031248284	101652

INVOICE

Your ref. :
Our ref. : 00172864
Load date : 10/10/2008
Product : DISULFIDE OIL SOLUTI
From – To : KS MITROVITSA - USGC HOUSTON TX
Delivery Terms : Door to Pier

Equipment no.: HOTU1615035
Vessel : VERACRUZ EXPRESS
Load weight : 15000 Kg

Charge Description	Units / %	Unit name	Cur	Unit Rate (USD)	Amount
Demurrage	33	Days	USD	50.00	1,650.00
Charge From: 25 Dec 2008 To: 2 Feb 2009 [7 Free Day(s)]					

Kosovo Govt
Disulfide oil

POSTED
2-12-09

Net Amount	USD	1,650.00
VAT: Not Applicable	USD	0.00
Gross Amount	USD	1,650.00

Payment terms – due within 30 days after date of invoice.

REMIT TO: HOYER GLOBAL (USA), INC., P.O. BOX 4346, DEPT. 267, HOUSTON, TX 77210
All our activities are subject to the FENEX and Combicon Bill of Lading Conditions.
A copy of these conditions will be provided to any party on first request.

HOYER Global (USA), Inc.

2100 Space Park Dr., Suite 200
Houston, Texas 77058 USA

Telephone +1 281 853 1000
Telefax +1 281 853 1199

Terminal Services:
9938 Chemical Road
Pasadena, Texas 77507 USA

Telephone +1 281 727 3720
Telefax +1 281 291 9461

globalinfo@hoyer-global.com
www.hoyer-global.com

HOYER
GLOBALTRANSPORT

CES Environmental Services, Inc
Greg Bowman
4904 Griggs RD
Houston, TX 77021
USA - Gulf Coast
VAT NO.:

Date	Invoice	Deb. no.
30/01/2009	031247846	101652

INVOICE

Your ref. :
Our ref. : 00172865
Load date : 10/10/2008
Product : DISULFIDE OIL SOLUTI
From – To : KS MITROVITSA - USGC HOUSTON TX
Delivery Terms : Door to Pier

Equipment no.: HGTU9400058
Vessel : VERACRUZ EXPRESS
Load weight : 20100 Kg

(USD)

Charge Description	Units / %	Unit name	Cur	Unit Rate	Amount
Demurrage	27	Days	USD	50.00	1,350.00
Charge From: 25 Dec 2008 To: 27 Jan 2009 [7 Free Day(s)]					

Kosovo Govt
Disulfide Oil

POSTED
2-12-09

Net Amount	USD	1,350.00
VAT: Not Applicable	USD	0.00
Gross Amount	USD	1,350.00

Payment terms – due within 30 days after date of invoice.

Page: 01/ 01

REMIT TO: HOYER GLOBAL (USA), INC., P.O. BOX 4346, DEPT. 267, HOUSTON, TX 77210
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EPAHO088002255

HOYER Global (USA), Inc.

2100 Space Park Dr., Suite 200
Houston, Texas 77058 USA

Telephone +1 281 853 1000
Telefax +1 281 853 1199

Terminal Services:
9938 Chemical Road
Pasadena, Texas 77507 USA

Telephone +1 281 727 3720
Telefax +1 281 291 9461

globalinfo@hoyer-global.com
www.hoyer-global.com

HOYER
GLOBALTRANSPORT

CES Environmental Services, Inc
Greg Bowman
4904 Griggs RD
Houston, TX 77021
USA - Gulf Coast
VAT NO.:

Date	Invoice	Deb. no.
06/02/2009	031249553	101652

INVOICE

Your ref. :
Our ref. : 00172866
Load date : 10/10/2008
Product : DISULFIDE OIL SOLUTI
From – To : KS MITROVITSA - USGC HOUSTON TX
Delivery Terms : Door to Pier

Equipment no.: HOTU2411611
Vessel : VERACRUZ EXPRESS
Load weight : 20100 Kg

Charge Description	Units / %	Unit name	Cur	Unit Rate (USD)	Amount
Demurrage	31	Days	USD	50.00	1,550.00
Charge From: 25 Dec 2008 To: 31 Jan 2009 [7 Free Day(s)]					

Kosovo Govt
Disulfide Oil

POSTED
2-20-09

RECEIVED
FEB 17, 09
BY:

Net Amount	USD	1,550.00
VAT: Not Applicable	USD	0.00
Gross Amount	USD	1,550.00

Payment terms – due within 30 days after date of invoice.

REMIT TO: HOYER GLOBAL (USA), INC., P.O. BOX 4346, DEPT. 267, HOUSTON, TX 77210
All our activities are subject to the FENEX and Combicon Bill of Lading Conditions.
A copy of these conditions will be provided to any party on first request.

CES Environmental Services, Inc.

N/B

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : 2/12/2009

Manifest # :

Client : CES Environmental Services, Inc.

Ticket : 81228

Phone : 7136761460

Consignee : X Bayport Container Terminal

Transporter : CES Environmental Services, Inc.

Signature C E S

Signature

Leave CES Yard :	014.15	Arrive At Destination	15:15
Arrive At Customer :		Begin Unloading :	//
Begin Loading :		Finish Unloading :	//
Finish Loading :		Leave Destination :	
Leave Customer :		Arrive At CES Yard :	017.30

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	
Tare Weight :		Begining Odometer :	521205
Net Weight :		Total Miles :	

Driver : Salazar, Alfonso

Tractor # : 279

Tote # :

Signature : Alfonso Salazar

Trailer # : 208041

Box # :

Job Comments/Equipment :

DROP ~~OF~~ IT NEEdes SCAC Code TO DROP THIS CHASSIS AT BAYPORT TERMINAL

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002257

NMF 101-V

NMFTA
National Motor Freight Traffic Association, Inc.

Bayport

Directory of Standard Carrier Alpha Codes

Supplement 4

(Supplements 1, 2, 3, and 4 contain all changes)

Issued: December 31, 2007

Effective: January 31, 2008

Issued by:
National Motor Freight Traffic Association, Inc., Agent
1001 North Fairfax Street, Suite 600
www.nmfta.org
703.838.1810
Fax: 703.683.6046

For subscription information, call NMFTA Customer Service at 1.866.411.NMFC (6632).

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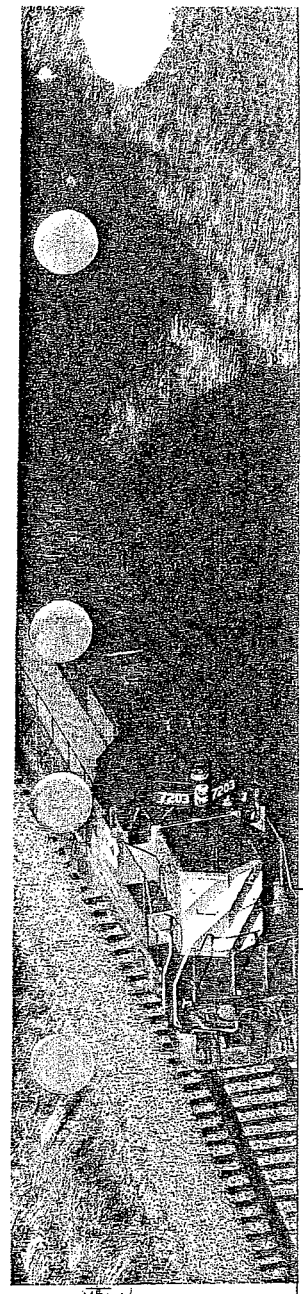
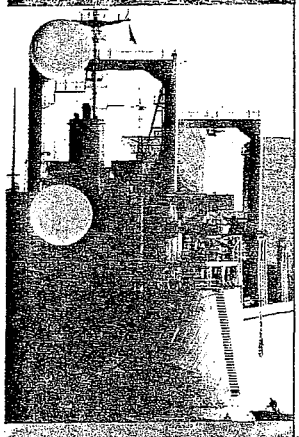
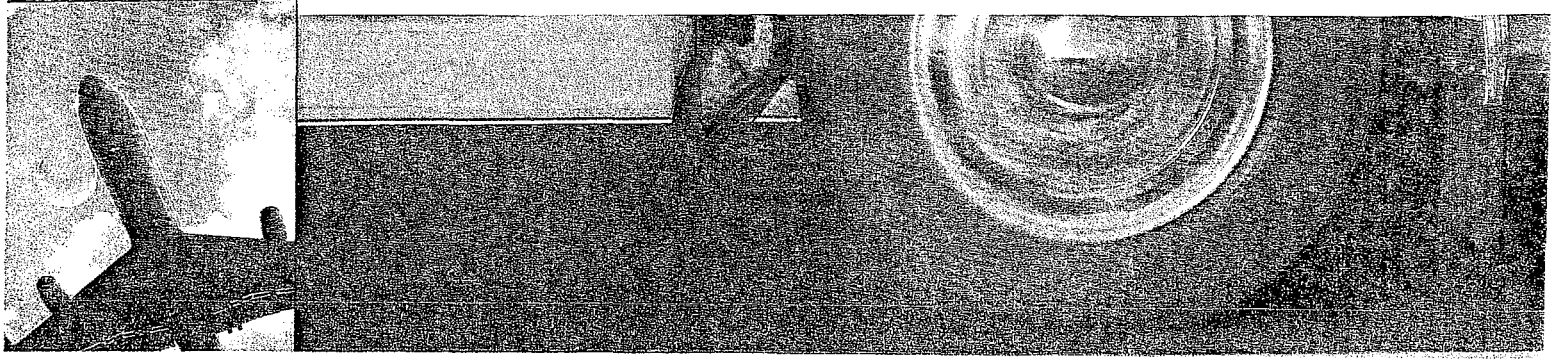






EPAHO088002258

Close Print View

P# 877-438-8442

How to Apply for Participation in the UIIA

Click here to Apply Online for Participation in the UIIA

- **To apply for UIIA Participation by fax or mail, click here to download a FULL PACKET**
- **Motor Carrier Quick Reference Guide**
- **Download UIIA Form 2 Participating Party Agreement Signature Page**
- **Download UIIA Fee Schedule**
- **Download SCAC Code Application**

MOTOR CARRIER QUICK REFERENCE GUIDE
To Completing Required Paperwork for UIIA Agreement

The following is a summary of the paperwork that must be filed with the UIIA in order to participate in the Uniform Intermodal Interchang and Facilities Access Agreement.

- **Form 2 – The Participating Party Agreement signature page** must be completed. It must include your company name, authorized representative's signature and printed name, address, phone and fax number, e-mail (if applicable) and your SCAC Code.
- **Form 3-A** – If you are paying your Annual Administrative Service Fee by VISA, MasterCard, or American Express, you will need to complete the **payment information portion** of the **Annual Fee Schedule**. If you are paying your Annual Administrative Service Fee by check, simply fax a copy of the check to our office along with your paperwork. (We must receive the original check within 7

EPAHO088002259

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Kosovo Government Disulfide Oil Project

Customer : CES Environmental Services, Inc.
Address : 4904 Griggs Rd
City,State,Zip : Houston TX , 77021
CES Contact : () -

Driver : **Salazar, Alfonso**
Helper :
Date : 2/12/2009 Time : 3rd
Truck # 279 Trailer # 208041

Job Description :

Pick up Chassis XNPZ208041 from CES yard

Deliver to Bayport container terminal in between the hours of 7am - 5pm

ID #: 81228

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	24:00 HR	Name:	CES	Name:	
Close:	24:00 HR	Number:	(832) 362-8676	Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	07:00 AM	Name:	Bayport Container Terminal	Name:	Hoyer Terminal Services
Close:	05:00 PM	Number:	(713) 680-8880	Number:	(281) 853-1000

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? Standard

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☑ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☑ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☑ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED: N/A

SIZE: N/A

DRUM DOLLY NEEDED: ☐ YES ☑ NO

PALLET JACK NEEDED: ☐ YES ☑ NO

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

MD

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : 2/16/2009

Manifest # :

CES Environmental Services, Inc.

Client :

Ticket : 81513

Phone : 7135761460

IMS Depot

Consignee :

CES Environmental Services, Inc.

Transporter :

Signature

Signature

Leave CES Yard :	1215	Arrive At Destination	1300
Arrive At Customer :		Begin Unloading :	1400
Begin Loading :		Finish Unloading :	1410
Finish Loading :		Leave Destination :	1415
Leave Customer :		Arrive At CES Yard :	1500

Customer PO #:

Total Hours: 2.75

CES Unload: ☐

Gross Weight :		Ending Odometer :	285919
Tare Weight :		Begining Odometer :	285870
Net Weight :		Total Miles :	49

Driver : Hickman, Robert

Tractor # : 281

Tote # :

Signature : Robert Hickman

Trailer # : 208041

Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002262

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Kosovo Government Disulfide Oil Project

Customer : CES Environmental Services, Inc.
Address : 4904 Griggs Rd
City,State,Zip : Houston TX , 77021
CES Contact : () -

Driver : **Hickman, Robert**
Helper :
Date : 2/16/2009 Time : 0600
Truck # 281 Trailer # 208041

Job Description :

Pick up Chassis XNPZ208041 from CES yard

Deliver to IMS Depot in between the hours of 7am - 5pm

Problems?

Call Denise Vega

MSC Houston
Equipment Overdue
Dept line: 713- 316-8234
Direct line: 713-316-8219

ID #: 81513

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	24:00 HR	Name:	CES	Name:	
Close:	24:00 HR	Number:	(832) 362-8676	Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	07:00 AM	Name:	Bayport Container Terminal	Name:	Hoyer Terminal Services
Close:	05:00 PM	Number:	(713) 680-8880	Number:	(281) 853-1000

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? Standard

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☑ YES ☐ NO

ROPPER PUMP: ☐ YES ☑ NO

WASHOUT ANTICIPATED: ☐ YES ☑ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO **CUSTOMER OWNS BOX:** ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO **CUSTOMER RENTED BOX:** ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED: N/A

SIZE: N/A

LOADING FROM (i.e. Tank): N/A

SIZE OF FITTING: N/A

TYPE OF FITTING: N/A

DRUM DOLLY NEEDED: ☐ YES ☑ NO

PALLET JACK NEEDED: ☐ YES ☑ NO

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☑ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☐ YES ☑ NO **IF YES, HOW MANY?** 0

EQUIPMENT NEEDED:

EPAHO088002264

CES Environmental Services, Inc.

4804 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1678

4/10

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : 2/2/2009

Manifest # :

CES Environmental @ DANA Container

Client :

Ticket : 30198

Phone : 7136761460

Hoyer Terminal Services

Consignee :

CES Environmental Services, Inc.

Transporter :

Signature

Signature

Leave CES Yard :		Arrive At Destination :	
Arrive At Customer :	7:10	Begin Unloading :	
Begin Loading :	9:00	Finish Unloading :	
Finish Loading :	9:25	Leave Destination :	
Leave Customer :	9:30	Arrive At CES Yard :	

Customer PO #:	Total Hours:	CES Unload: ☐

Gross Weight :		Ending Odometer :	
Tare Weight :		Begining Odometer :	
Net Weight :		Total Miles :	

Driver : Garza, Alfredo

Tractor # : 288

Tote # :

Signature :

Trailer # : Iso chasis

Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002265

9:52

HOYER
GLOBALTRANSPORT

CHECK REPORT

TERMINAL SERVICES

GENERAL INFORMATION

EQUIPMENT NUMBER	LOCATION	DATE
HOTU 161523	HOUSTON	2.2.09
EQUIPMENT OWNER	EQUIPMENT MANUFACTURER	TRANSPORT
		CES
TANK OPERATOR	CUSTOMER REFERENCE NUMBER	WORK ORDER NUMBER
HGT	Zenaida	
IN	TIME	OUT	DESTINATION
2.2.09	1040		

TANK SPECIFICATIONS

PREVIOUS PRODUCT			HOYER PRODUCT NUMBER
In Chem w/cc 1/29/09			
CLASS	UN	PG	PLACARDS/MARKINGS
LAST TEST DATE	NEXT TEST DATE	CSC DATE	LEAK CHECK DATE	CAPACITY
---	---	---	---	---
7/04	7/14	7/04		4,000
T/T	BAR	COMMENTS
---	---	---
161	4	Test Dec, Remote trip cord broken

TANK: INTERNAL STATUS / INNEN

	YES	NO
Clean / Sauber	☐	☒
Corroded / Korrosion	☐	☐
Discoloration / Verfarbung	☐	☐
Damage by vacuum / Vakuumschaden	☐	☒

TANK: EXTERNAL STATUS / AUSSEN

	YES	NO
Spillage / Uberlaufe	☒	☐
Frame rusty / Rost am Rahmen	☐	☐
Outside Clean / Außen sauber	☐	☐

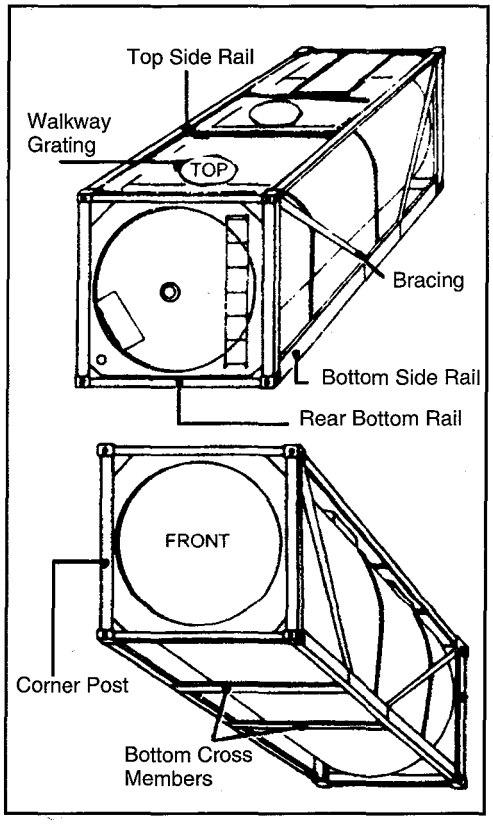
TANK: TECHNICAL STATUS TECHNISCHER ZUSTAND

	YES	NO
Tank Pressure Test / UDruckprufung (Betriebsdruck)	☒	☐
Steam Box Press. Test / Dampfheizungsdruckprufung	☐	☒
Electric Heating Check / Elektr. Heizungsprufung	☐	☒
Counter left:	Counter right:	☐	☐

DAMAGE CODE: SCHADEN:
B: bent / verbogen
C: cut / Riß
D: dent: / Beule
H: hole / Loch
BR: broken / gebrochen
L: loose / lose
M: missing / fehlt
SC: scratched / Schramme

	ITEM	DAMAGE CODE
CLEANING	1. Certificate	
	2. Interior	
	3. Exterior	
	4. Foreign Markings	
FRAME	5. Underside	
	6. Left hand side	
	7. Front	
	8. Right hand side	
	9. Rear	
	10. Top	
	11. Walkway	
INSULATION CLADDING	12. Underside	
	13. Left hand side	
	14. Front	
	15. Right hand side	
	16. Rear	
	17. Top	

MANWAY	18. Swingbolts	
	19. Manlid	
	20. Seal SWR/PTFE/Other	
	21. Dipstick	
	22. Calibration Chart	
SAFETY VALVES	23. Flame Trap	
	24. PV Valves	
	25. Bursting Disc / Gauge	
TOP VALVES	26. Airline Cap/Seal	
	27. Airline/Valve/Gauge	
	28. Outlet Blank	
	29. Spring/Butterfly Valve	
SHELL INTERIOR	30. Syphon Tube	
	31. Surface Condition	
	32. Shell Damage	
BTM VALVES	33. Foot Valve	
	34. Ball/Butterfly Valve	
	35. Outlet Cap/Blank	
	36. Remote Trip IM101	
HEATING	37. Steam Tube/Cap	
	38. Thermometer	
	39. Electric	
	40. Electric/Cable/Plug	
MISC	41. Decal/Data Plate	
	42. Document Holder	



DRIVER: A. Cox, Jr. DATE: 2-2-09

INSPECTOR: Walter Fisher DATE: 2/2/09

NO Charge to DANA
These are overruns
from Kosovo washout

2117

MB

CES Environmental Services, Inc.

Bill Of Lading # : 80699

Folder ID :	Dana Container (Dana - LaPorte TX) Haz. waste drums

Original – Shipper Provided Short Form Straight Bill of Lading – Not Negotiable – Domestic

SHIPPED FROM :

CES Environmental Services, Inc.
4904 Griggs Rd
Houston , TX 77021
(713) 676-1460

11a) HOU-3165
11b)
11c)
11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNED TO :
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston , TX 77021

CARRIER :
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston , TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.6449 implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container No.	Container Type	Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
No	3	DM	975	P	Non-RCRA/Non DOT regulated oily water

Shipper : CES Environmental Services, Inc.
Per : X [signature] Signature : X [signature] Date : 1-30-09

Carrier CES Environmental Services, Inc.
Per : A. Garza Signature : [signature] Date : 1-30-09

Receiving Facility CES Environmental Services, Inc.
Per : SAM BROWN Signature : [signature] Date : 1-30-09

White (Generator Return Copy) Yellow (Transporter Copy) Pink (Receiving Facility Copy) Golden Rod (Generator 1st Copy)

EPAHO088002268

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1678

Transportation Work Ticket

Folder ID : Dana Container (Dana - LaPorte TX)
Haz. waste drums

Date : 1/30/2009 Manifest # :

Client : Dana Container Ticket : 30622

Phone : 2814714700 Consignee : Pollution Control Industries

Transporter : CES Environmental Services, Inc.

Signature Signature

Leave CES Yard :	400	Arrive At Destination	
Arrive At Customer :	4:35	Begin Unloading :	
Begin Loading :	5:40	Finish Unloading :	730
Finish Loading :	6:25	Leave Destination :	
Leave Customer :	6:35	Arrive At CES Yard :	710

Customer PO #:

Total Hours: 350

CES Unload: ☒

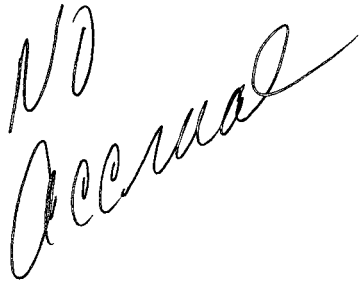
Gross Weight :		Ending Odometer :	
Tare Weight :		Begining Odometer :	
Net Weight :		Total Miles :	

Driver : Tractor # : 7000 Tote # :

Signature : A Garz Trailer # : 374 Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)



INVOICE

Invoice Number	: 11675787
Date	: 27-JAN-09
Page	: 1 / 1

CES ENVIRONMENTAL SERVICES INC
4904 GRIGGS RD
HOUSTON TX 77021
United States

Attention : JENNY RUST

Customer Number	767746
Currency	USD
Payment Term	Net Due in 30 Days
Order No.	1596749

Customer Reference	0109-43
Unit Type	Container
Primary Unit	ISO CONTAINER
Product Description	AIR SAMPLE
Origin / Destination	SHIPPING AND RECEIVING-JANUARY 22, 2009
Reference Order	128931

Item	Description	Quantity	UoM	Unit Price	Net Amount	Amount
33700	**Analysis**	1	Ea	**583.10**	**583.10**	**583.10**
				Inc. Discount 30.00%		

Actual Execution End-Date	22-JAN-2009
Sample Marking	161228-493551
Sample Description	SX ID: 190176-001 CLIENT ID: 0109-43 REPORT TO JRUST@CESENVIROMENTAL.COM

	No Sales Tax	**0.00**
	Net Amount USD	**583.10**
	Sum of Tax USD	**0.00**
	Total Amount USD	**583.10**

Contact Name:	SIECK, PATRICIA
Direct line:	(281) 478-8155 x5316
E-mail:	PATRICIA.SIECK@sgs.com

Please Remit To:
FOR WIRE TRANSFER PAYMENTS:
CITIBANK - NEW CASTLE, DELAWARE
ACCOUNT #3880-5189 ABA #031100209 SWIFT CODE: CITIUS33

PLEASE INCLUDE INVOICE NUMBER WITH PAYMENT DETAIL

FOR CHECK PAYMENTS: PO BOX 2502 CAROL STREAM IL 60132-2502
CAROL STREAM IL 60132-2502
United States

POSTED
1-31-09

~~Pristina~~
Kosovo Govt
Air Sample Analysis
Diesel fuel oil
No accrual

RECEIVED
JAN 30 2009
BY:.....

All orders are accepted and all reports and certificates are issued subject to the SGS General Conditions of Service for North America (copy available upon request or may be viewed at http://www.sgs.com) or as otherwise agreed upon. Any person, including the customer, using or relying on this certificate or report, agrees that the liability of the contracting SGS affiliate shall in no case exceed a total aggregate sum of the lesser of US $20,000 or ten times the fee paid or payable for the service giving rise to the claim, but in no event in excess of the extent of the proven negligence of the contracting SGS affiliate. The results shown on this test or inspection report refer only to the sample(s) tested or inspected unless otherwise stated.

1596749 - Mail-GS 1-27-09 3:58

SGS

Certificate of Analysis

(Page 1 of 1)

Client :	SGS.OGC.BFCOMMUNITY (SGS.OGC)	Report No :	161228
Product :	Not Specified	SGS File No :	128931
Client Ref :	CES ENVIROMENTAL		

LIMS No :	161228 - 493551	Lab No :	VAPOR BAG
Sample Description :	Sampled by Client. Received by Shipping/Receiving. Contained in plastic bag.		
Sample Label :	SX ID: 190176-001 CLIENT ID: 0109-43 REPORT TO JRUST@CESENVIRONMENTAL.COM AND KEVIN PERRY PRODUCT IS AIR SAMPLE	Tested On :	1/21/2009

METHOD	TEST	RESULT
ASTM D 5504	Sulfur in Natural Gas by sievers Sulfur Speciation	See Attached

Supervisor : ..... Date : 01/21/2009

Fasih Qazi

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Precision parameters apply in the determination of above test results. Also refer to ASTM D 3244-97/02, IP 367/96 and appendix E of IP standard methods for analysis and testing for utilization of test data to determine conformance with specifications.

Date printed: 21-Jan-2009

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SGS North America Inc.

Oil, Gas & Chemicals Services 1201 W 8th Street Deer Park TX 77536
TEL: (281) 479-7170 FAX: (281) 479-2734

128931

Perry, Kevin (Deer Park)

From: Jennifer Rust [jrust@cesenvironmental.com]
Sent: Wednesday, January 21, 2009 11:33 AM
To: Perry, Kevin (Deer Park)

Please run a sulpher speciation on the air sample being delivered to SGS's Deer Park facility today.

Thank You,

1 SS CONTAINER

Jenny Rust

CES Environmental Services, Inc.
Office: 713-676-1460
Direct: 713-800-7913
Cell: 713-367-8581
Fax: 713-748-8664
jrust@cesenvironmental.com
Visit us at http://cesenvironmental.com

SGS

Invoice Detail

Deer Park

Client : SGS.OGC.BFCOMMUNITY
Product : Not Specified
Submitted by : SGS Deer Park OGC Field

Report No : 161228
SGS File No : 128931
Client Ref : CES ENVIROMENTAL
Client ID: SGS.OGC

LIMS No : 161228 - 493551
Lab No : VAPOR BAG
Sample Label : SX ID: 190176-001
CLIENT ID: 0109-43
REPORT TO JRUST@CESENVIRONMENTAL.COM AND
KEVIN PERRY PRODUCT IS AIR SAMPLE

Sample logged on: 1/21/2009 13:17
Testing completed on: 1/21/2009 19:53

METHOD	TEST	CONTRACT	COST	
ASTM D 5504	Sulfur in Natural Gas by sievers	2009	833.00	
		Sub Total:	833.00	833.00
		Total:	833.00	833.00

Supervisor : .....
Fasih Qazi

Date : 1/21/2009

Date printed: 26-Jan-2009

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Client: ***CES ENVIRONMENTAL***
2420 South Gulfway Drive
Port Arthur, TX 77641

Attn: ***Mr. Marlin Moser***
Phone:1-713-539-6574
Email: mmoser@cesenvironmental.com
ggbery@cesenvironmental.com

Report Date: 01/19/09
Sample Matrix: Liquid
Date Collected: 01/16/09
Time Collected: 11:00am
Collected By: Client
Date Received: 01/16/09
Time Received: 12:25pm
CHEMTEX FILE #: P9010516

AIHA Laboratory # 101478

nelap certificate # T104704239-08A-TX

RESULTS OF ANALYSIS

CHEMTEX #	Sample Identification	Parameter	Units	Results	MDL
P9010516	Tank 167	Total Iron	mg/l	< 0.500	0.500
		Total Sodium	mg/l	< 1.000	1.000
		Total Zinc	mg/l	< 0.500	0.500
		Chlorides	mg/l	6733	1
Method Blank	DI Water	Total Iron	mg/l	< 0.010	0.010
		Total Sodium	mg/l	< 0.050	0.050
		Total Zinc	mg/l	< 0.010	0.010

MDL: Method Detection Limit.

LABORATORY QUALITY ASSURANCE/QUALITY CONTROL DATA

LABORATORY CONTROL SAMPLE (LCS) RECOVERY

Parameter	Units	True Value	Obtained Value	% Recovery	Limits (%)
Total Iron	mg/l	1.000	0.973	97	80-120
Total Sodium	mg/l	5.000	4.587	92	80-120
Total Zinc	mg/l	0.500	0.489	98	80-120
Chloride	mg/l	200	198	99	80-120

METHOD REFERENCES/ANALYSIS DATES & ANALYSTS

Parameter	Method Reference	Date Analyzed/Analysts
Total Iron	EPA Method 6010B	01/19/09 HKR/NR
Total Sodium	EPA Method 6010B	01/19/09 HKR/NR
Total Zinc	EPA Method 6010B	01/19/09 HKR/NR
Chloride	Std. Methods 4500-Cl^-C	01/16/09 PSL

The analytical results, opinions or interpretations contained in this report are based upon information and material supplied by the client for whose exclusive and confidential use this report has been made. The analytical results, opinions or interpretations expressed represent the best judgment of CHEMTEX. CHEMTEX, however, makes no warranty or representation, express or implied, of any type, and expressly disclaims same. This report shall not be reproduced, in whole or in part, without the written approval of CHEMTEX.

Client: ***CES ENVIRONMENTAL***
2420 South Gulfway Drive
Port Arthur, TX 77641

Attn: ***Mr. Marlin Moser***
Phone:1-713-539-6574
Email: mmoser@cesenvironmental.com
ggbery@cesenvironmental.com

Report Date: 01/19/09
Sample Matrix: Liquid
Date Collected: 01/16/09
Time Collected: 11:00am
Collected By: Client
Date Received: 01/16/09
Time Received: 12:25pm
CHEMTEX FILE #: P9010515

AIHA Laboratory # 101478

nelap certificate # T104704239-08A-TX

RESULTS OF ANALYSIS

Sample Identification: Tank 167
CHEMTEX #: P9010515

Parameter	Units	Results	MDL
Ash Content	wt %	0.14	0.01
B T U (heat content)	btu/lb	18,033	100

ppm: parts per million

MDL: Method Detection Limit

METHOD REFERENCES/ANALYSIS DATES & ANALYSTS

Parameter	Method Reference	Date Analyzed/Analyst(s)
Ash Content	ASTM D-482	01/16/09 PSL
BTU (heat content)	ASTM D-240	01/16/09 SR/PSL

Dr. C. N. Reddy, Ph.D, CIH, ASP
Director

kml*/amd/CNR

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SGS

Sulfur Compounds by GC and Sulfur Selective Detection

ASTM D 5504 LPG

Client: *SGS.OGC.BFCOMMUNITY*
Sample I.D. *CES ENVIRONMENTAL*
SAMPLE ID: 190176-001
CLIENT ID: 0109-43

Lab No. *P4-9-3551*
Date: *1/21/2009*

Sulfur Compounds	Concentration (ppm wt)	
	as compound	as sulfur
Hydrogen Sulfide *	<0.1	<0.1
Carbonyl Sulfide	0.6	0.3
Sulfur Dioxide	<0.1	<0.1
Methyl Mercaptan (Methanethiol)	2.3	1.5
Ethyl Mercaptan (Ethanethiol)	1.2	0.6
Isopropyl Mercaptan (2-Propanethiol)	<0.1	<0.1
n-Propyl Mercaptan (1-Propanethiol)	<0.1	<0.1
tert-Butyl Mercaptan (2-Methyl-2-Propanethiol)	<0.1	<0.1
sec-Butyl Mercaptan (1-Methyl-1-Propanethiol)	<0.1	<0.1
Isobutyl Mercaptan (2-Methyl-1-Propanethiol)	<0.1	<0.1
n-Butyl Mercaptan (1-Butanethiol)	<0.1	<0.1
Thiophenol(VinylMercaptan)	<0.1	<0.1
Methyl Sulfide	0.4	0.2
Carbon Disulfide *	0.3	0.3
Ethylmethyl Sulfide	0.4	0.2
Ethyl Sulfide	<0.1	<0.1
Methyl Disulfide	201.2	137.0
Ethyl Disulfide	20.6	10.8
sec-Butyl Sulfide	<0.1	<0.1
n-Butyl Sulfide	<0.1	<0.1
n-Butyl DiSulfide	<0.1	<0.1
Phenyl Sulfide	<0.1	<0.1
Thiophene	<0.1	<0.1
2-Methyl-Thiophene	<0.1	<0.1
3-Methyl-Thiophene	<0.1	<0.1
TetrahydroThiophene	<0.1	<0.1
2-Ethyl-Thiophene	<0.1	<0.1
Total DimethylThiophene	194.7	55.7
3-Ethyl-Thiophene	0.1	<0.1
Total TrimethylThiophene	0.2	<0.1
Total TetrarmethylThiophene	<0.1	<0.1
Benzo[b]Thiophene (Thianaphthene)	<0.1	<0.1
Methylbenzothiophen	<0.1	<0.1
Dimethylbenzothiophene	<0.1	<0.1
Phenylthiophene	<0.1	<0.1
Trimethylbenzothiophene	<0.1	<0.1
Tetramethylbenzothiophene	<0.1	<0.1
DIBENZOTHIOPHENE	<0.1	<0.1
Methyldibenzothiophene & Heavier	<0.1	<0.1
Unidentified Sulfur Compounds	35.2	8.4

Total Sulfur
215.0 PPM WT

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Waste Pre-Acceptance/Approval Letter

Date **2/12/2009**

Dear

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3165

Expiration Date 2/12/2011

Generator: Kosovo Government
Address:

Waste Information

Name of Waste: Oily Water
TCEQ Waste Code #: RECYCLE
Container Type:
Detailed Description of Process Generating Waste:
From the rinsing of iso containers containing disulfide oil
Color: dark **Odor:** slight hydrocarbon **pH:** 4-10
Physical State:
Incompatibilities:
Safety Related Data/Special Handling:
STANDARD PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

[redacted]

MB
JR

#3165

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Generator Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : **Title :**
Phone No : **Fax :**
24 / HR Phone :
U.S EPA I.D No :
State I.D : **SIC Code**

SECTION 2: Billing Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : **Title :**
Phone No : **Fax :**

SECTION 3: General Description of the Waste

Name of Waste : Oily Water

Detailed Description of the Process Generating Waste:

From the rinsing of iso containers containing disulfide oil

Physical State : ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color : dark **Odor :** slight hydrocarbon

Specific Gravity (Water=1) : 1 **Density :** 8.34 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☐ Yes ☑ No

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861	2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511

Layers : ☐ Single-Phas ☑ Multi-Phase

Container Type : ☑ Drum ☐ Tote ☐ Truck ☐ Other (explain)

Container Size : 55gal

Number Of Units : 5

Is this a USEPA "Hazardous Waste" per 40 CFR 261.3? ☐ Yes ☑ No

If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto

If "Yes", is it: ☐ D001 ☐ D002 ☐ D003

EPAHO088002279

Characteristic for Toxic Metals: ☐ D004 ☐ D005 ☐ D006 ☐ D007
☐ D008 ☐ D009 ☐ D010 ☐ D011

Characteristics for Toxic Organics: D012 thru D043 (please list all that apply)

Is this an "F" or "K" Listed waste or mixed with one? ☐ Yes ☑ No

If "Yes", then please list ALL applicable codes:

Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)? ☐ Yes ☑ No

If "Yes", then please list ALL applicable codes:

Texas State Waste Code No : RECYCLE

Proper U.S. State Waste Code No : Non-RCRA/Non DOT regulated oily water

Class : N/A **UN/NA :** N/A **PG :** N/A **RQ :** N/A

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
>140	4-10	BRL mg/l	BRL mg/l	0 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500ppm mg/l	N/A mg/l	BRL mg/l	BRL mg/l	BRL mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
DISULFIDE OIL	5-10	%
WATER	90-95	%

SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain.
STANDARD PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package.

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):

SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generators knowledge

TCLP Metals : BRL
TCLP Volatilies : BRL
TCLP Semi-Volatiles : BRL
Reactivity : NON

EPAHO088002280

Corrosivity : NON

Ignitability : NON

SECTION 9: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge ? ☐ **YES** ☑ **NO**

If 'YES', complete this section

PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE

Matals Subcategory: ***Subpart A***

- ☐ Spent electroplating baths and/or sludges
- ☐ Metal finishing rinse water and sludges
- ☐ Chromate wastes
- ☐ Air pollution control blow down water and sludges
- ☐ Spent anodizing solutions
- ☐ Incineration wastewaters
- ☐ Waste liquid mercury
- ☐ Cyanide-containing wastes greater than 136 mg/l
- ☐ Waste acids and bases with or without metals
- ☐ Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
- ☐ Vibratory deburring wastewater
- ☐ Alkaline and acid solutions used to clean metal parts or equipment

Oils Subcategory: ***Subpart B***

- ☐ Used oils
- ☐ Oil-water emulsions or mixtures
- ☐ Lubricants
- ☐ Coolants
- ☐ Contaminated groundwater clean-up from petroleum sources
- ☐ Used petroleum products
- ☐ Oil spill clean-up
- ☐ Bilge water
- ☐ Rinse/wash waters from petroleum sources
- ☐ Interceptor wastes
- ☐ Off-specification fuels
- ☐ Underground storage remediation wastes
- ☐ Tank clean-out from petroleum or oily sources
- ☐ Non-contact used glycols
- ☐ Aqueous and oil mixtures from parts cleaning operations
- ☐ Wastewater from oil bearing paint washes

Organics Subcategory ***Subpart C***

- ☐ Landfill leachate
- ☐ Contaminated groundwater clean-up from non-petroleum sources
- ☐ Solvent-bering wastes
- ☐ Off-specification organic product
- ☐ Still bottoms
- ☐ Byproduct waste glycol
- ☐ Wastewater from paint washes
- ☐ Wastewater from adhesive and/or epoxies formulation
- ☐ Wastewater from organic chemical product operations

EPAHO088002281

☐ Tank clean-out from organic, non-petroleum sources

(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory

(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory

Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L

(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

☐ Metals Subcatego

☐ Oils Subcatego

☐ Organics Subcategory

SECTION 10: Additional Instruction

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : N/A per Matt Bonner **Date :**

Printed Name / Title : /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :
$worked into job already. No Bill

Compliance Officer :

Date : **Status :** Approved Rejected

Approval Number : HOU-3165

EPAHO088002282

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

worked into kmp amt bill. No charge for these DM's.

2. Contamination Limit (maximum limit before surchages apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

PH

5. Treatment and Handling Protocol:

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

Kosovo

Related:

Integrated Marine Services LLC
Facility: Integrated Marine Services LLC
Equipment Interchange Receipt
Gate In

Customer: GCCP Chassis Pool
EIR NO:998948
EIR DATE: 02/16/09 13:54
Acceptance:FEB- 09GCCP
Equipment:XNPZ 208041-
Equipment Tp:Z2SL
Status:DM
Comments:CES ENVIREMENTAL GCCP LIF FS RO HWA EXP
CH Lic:
CH Lic ST:
CH Lic EXP:
FHWA:
Trucking Co:MISC. CARRIER
Driver ID:ROBERT
Tractor Plate:281
Related:

CES Environmental Services, Inc.

4904 Griggs Road
Houston TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1460

Material / Product Approval Letter

Date **2/12/2009**

Dear **Ramiz Talifaz**

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # PA-3164

Expiration Date 2/12/2011

Producer: Kosovo Government
Address:

Material / Product Information

Name of Material / Product Disulfide Oil
Container Type: Iso Container

Detailed Description of Process Generating or Producing the Material / Product:
Containers of oil consolidated into iso containers

Color: Green, Born to Black **Odor:** Pungent **pH:** 4-10
Physical State:

Incompatibilities: Bleach, Strong Oxidizers, Reducing Agents, Acids corrosive to Copper & Copper Alloys

Safety Related Data/Special Handling:
FLAMMABLE PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President
CES Environmental Services, Inc.

#31604

MB
JR

CES Environmental Services, Inc.

4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Material Producer Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : **Title :**
Phone No : **Fax :**
24 / HR Phone :
U.S EPA I.D No :
State I.D : **SIC Code**

SECTION 2: Billing Information

Company : Kosovo Government
Address :
City, State, Zip :
Contact : Ramiz Talifaz **Title :**
Phone No : (281) 300-5322 **Fax :**

SECTION 3: General Description of the Material / Product

Name of Mateiral / Product : Disulfide Oil

Detailed Description of the Process Generating or Producing the Material / Product:

Containers of oil consolidated into iso containers

Physical State : ☑ Liquid ☐ Sludge ☐ Powder ☐ Solid ☐ Filter Cake ☐ Combination

Color : Green, Born to Black **Odor :** Pungent

Specific Gravity (Water=1) : .99-1.06 **Density :** 8.2-8.8 lbs / gal

Does this material contain any total phenolic compounds? ☐ Yes ☑ No

Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No

Layers : ☑ Single-Phas ☐ Multi-Phase

Container Type : ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain) Iso Container

Container Size : 3000gallons

Number Of Units : 3

Proper U.S. DOT Shipping Name : RQ, UN1993, Flammable Liquids, N.O.S. (disufide oil), 3, PG II

Class : 3 **UN/NA :** UN 1993 **PG :** II **RQ :** 100

EPAHO088002287

Flash Point	pH	Reactive Sulfides	Reactive Cyanides	Solids
<86	4-10	N/A mg/l	N/A mg/l	0 %
Oil and Grease	**TOC**	**Zinc**	**Copper**	**Nickel**
>1500 mg/l	N/A mg/l	N/A mg/l	N/A mg/l	N/A mg/l

SECTION 4: Physical and Chemical Data

COMPONENTS TABLE The material / product consists of the following materials	Concentration Ranges are acceptable	Units or %
WATER	0-5	%
DISULFIDE OIL SOLUTIONS	95-100	%

SECTION 5: Safety Related Data

If the handling of this material / product requires the use of special protective equipment, please explain.
FLAMMABLE PPE

SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.
MSDS

SECTION 7: Incompatibilities

Please list all incompatibilities (if any):
Bleach, Strong Oxidizers, Reducing Agents, Acids corrosive to Copper & Copper Alloys

SECTION 8: Material Producer's Certification

The information contained herein is based on ☑ generator knowledge and/or ☐ analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature : Matt D/t per Matt **Date :** Bowman

Printed Name / Title : /

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Process Facility Information :
$128,946.82 for 3 iso containers

Compliance Officer : Matt Bowman

Date : **Status :** Approved Rejected

Approval Number : PA-3164

EPAHO088002288

#31264

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):

$128,946.82 for 3 120 containers

2. Contamination Limit (maximum limit before surchages apply):

3. Surcharge Pricing:

4. Special Testing Requirements:

Sodium, BTU, Ash, Zinc, Iron & Chlorides

5. Treatment and Handling Protocol:

Sold as is to PEARS

6. Treated Wastewater Discharge Subcategory:

☐ Subcategory A ☐ Subcategory B ☐ Subcategory C

CES Environmental Services, Inc.

PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):

8. Management for Product Recovered/Recycled (if applicable)

5-DM
Deratherm
Flammable
w
Remanifest
Deratherm
to Deratherm
5 DM

#3165

CCL 26

Mon
9:45 2:45

EPAHO088002291

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER:	CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TX 77021
EMERGENCY PHONE NUMBER:	(713) 676-1460
PRODUCT IDENTIFIER:	DISULFIDE OIL
PRODUCT USE:	SULFIDING AGENT
WHMIS CLASSIFICATION:	B2 – FLAMMABLE LIQUID. D1A – VERY TOXIC MATERIAL CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS D2B – TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		
LD50: 290 TO 500 MG/KG (ORAL-RATS)			(SKIN)
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. – INHALATION-RATS)			
NOTE: Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide			

PHYSICAL DATA

PHYSICAL STATE:	LIQUID
ODOR AND APPEARANCE:	GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
ODOR THRESHOLD:	8-10 (PPB)
SPECIFIC GRAVITY/DENSITY (G/ML):	0.99 – 1.06 @ 20°C
VAPOR PRESSURE:	0.4 PSIA
VAPOR DENSITY (AIR = 1):	3.25
VOLATILITY/VOL (%):	100
SOLUBILITY IN H^2O:	INSOLUBLE
EVAPORATION RATE:	NE
BOILING POINT:	105-120°C
FREEZING POINT:	-80°C
PH:	NA

80° F

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)
ID NUMBER: UN1993
HAZARD CLASS OR DIVISION: 3
PACKING GROUP: II
LABELING REQUIREMENTS: 3

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

FLAMMABILITY:	FLAMMABLE
CONDITIONS:	HEAT, SPARKS, OPEN FLAMES
MEANS OF EXTINCTION:	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
FLASHPOINT:	< 30°C
UPPER EXPLOSION LIMIT (% V):	16 APPROX.
LOWER EXPLOSION LIMIT (% V):	1.1 APPROX.
AUTO-IGNITION TEMPERATURE:	300°C (572°F) APPROX.
HAZARDOUS COMBUSTION PRODUCTS:	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
EXPLOSION DATA:	NE
SENSITIVITY TO IMPACT:	NO
SENSITIVITY TO STATIC DISCHARGE:	NO

REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
CONDITIONS OF REACTIVITY:	DECOMPOSITION TEMPERATURE: 390°C
HAZARDOUS DECOMPOSITION PRODUCTS:	HYDROGEN SULFIDE, METHYL MERCAPTAN. CAN REACT WITH CARBON STEEL TO FORM PYROPHORIC IRON SULFIDES.

HEALTH HAZARD INFORMATION

ROUTE OF ENTRY	
SKIN CONTACT:	MAY CAUSE IRRITATION
SKIN ABSORPTION:	NE
EYE:	MAY CAUSE IRRITATION
INGESTION:	HARMFUL IF SWALLOWED
INHALATION:	HARMFUL IF INHALED
ACUTE OVER EXPOSURE EFFECTS:	NE
CHRONIC OVER EXPOSURE EFFECTS:	NE
SENSITIZATION:	DOES NOT MEET WHMIS CRITERIA
CARCINOGENICITY:	DOES NOT MEET WHMIS CRITERIA
TERATOGENICITY:	DOES NOT MEET WHMIS CRITERIA
MUTAGENICITY:	DOES NOT MEET WHMIS CRITERIA
REPRODUCTIVE TOXICITY:	DOES NOT MEET WHMIS CRITERIA

PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	WEAR SAFETY GOGGLES AND IMPERVIOUS GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY, WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE.
SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.

EPAHO088002293

LEAK AND SPILL PROCEDURES:	ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.
WASTE DISPOSAL:	HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.
HANDLING PROCEDURES AND EQUIPMENT:	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS, OR RESTROOMS.
STORAGE REQUIREMENTS:	KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. CONTAINER HAZARDOUS WHEN EMPTY.

FIRST AID MEASURES

EYE:	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
SKIN:	WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
INGESTION:	DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION:	REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTICIAIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

REGULATORY INFORMATION

U.S. REGULATIONS:
CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): NOT REGULATED.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): NOT REGULATED.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): NOT REGULATED.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):
ACUTE: NO
CHRONIC: NO
FIRE: YES
REACTIVE: NO
SUDDEN RELEASE: NO

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

PREPARATION DATE	
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

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EPAHO088002295

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER:	CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TX 77021
EMERGENCY PHONE NUMBER:	(713) 676-1460
PRODUCT IDENTIFIER:	DISULFIDE OIL
PRODUCT USE:	SULFIDING AGENT
WHMIS CLASSIFICATION:	B2 – FLAMMABLE LIQUID. D1A – VERY TOXIC MATERIAL CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS D2B – TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		
LD50: 290 TO 500 MG/KG (ORAL-RATS)			(SKIN)
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. – INHALATION-RATS)			
NOTE: Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide			

PHYSICAL DATA

PHYSICAL STATE:	LIQUID
ODOR AND APPEARANCE:	GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
ODOR THRESHOLD:	8-10 (PPB)
SPECIFIC GRAVITY/DENSITY (G/ML):	0.99 – 1.06 @ 20°C
VAPOR PRESSURE:	0.4 PSIA
VAPOR DENSITY (AIR = 1):	3.25
VOLATILITY/VOL (%):	100
SOLUBILITY IN H^2O:	INSOLUBLE
EVAPORATION RATE:	NE
BOILING POINT:	105-120°C
FREEZING POINT:	-80°C
PH:	NA

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)
ID NUMBER: UN1993
HAZARD CLASS OR DIVISION: 3
PACKING GROUP: II
LABELING REQUIREMENTS: 3

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

FLAMMABILITY:	FLAMMABLE
CONDITIONS:	HEAT, SPARKS, OPEN FLAMES
MEANS OF EXTINCTION:	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
FLASHPOINT:	< 30°C
UPPER EXPLOSION LIMIT (% V):	16 APPROX.
LOWER EXPLOSION LIMIT (% V):	1.1 APPROX.
AUTO-IGNITION TEMPERATURE:	300°C (572°F) APPROX.
HAZARDOUS COMBUSTION PRODUCTS:	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
EXPLOSION DATA:	NE
SENSITIVITY TO IMPACT:	NO
SENSITIVITY TO STATIC DISCHARGE:	NO

REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
CONDITIONS OF REACTIVITY:	DECOMPOSITION TEMPERATURE: 390°C
HAZARDOUS DECOMPOSITION PRODUCTS:	HYDROGEN SULFIDE, METHYL MERCAPTAN. CAN REACT WITH CARBON STEEL TO FORM PYROPHORIC IRON SULFIDES.

HEALTH HAZARD INFORMATION

ROUTE OF ENTRY

SKIN CONTACT:	MAY CAUSE IRRITATION
SKIN ABSORPTION:	NE
EYE:	MAY CAUSE IRRITATION
INGESTION:	HARMFUL IF SWALLOWED
INHALATION:	HARMFUL IF INHALED
ACUTE OVER EXPOSURE EFFECTS:	NE
CHRONIC OVER EXPOSURE EFFECTS:	NE
SENSITIZATION:	DOES NOT MEET WHMIS CRITERIA
CARCINOGENICITY:	DOES NOT MEET WHMIS CRITERIA
TERATOGENICITY:	DOES NOT MEET WHMIS CRITERIA
MUTAGENICITY:	DOES NOT MEET WHMIS CRITERIA
REPRODUCTIVE TOXICITY:	DOES NOT MEET WHMIS CRITERIA

PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	WEAR SAFETY GOGGLES AND IMPERVIOUS GLOVES. WHERE AIRBORNE EXPOSURE IS LIKELY, WEAR A NIOSH APPROVED RESPIRATOR EQUIPPED WITH AN ORGANIC VAPOR CARTRIDGE.
SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.

EPAHO088002297

LEAK AND SPILL PROCEDURES:	ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.
WASTE DISPOSAL:	HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.
HANDLING PROCEDURES AND EQUIPMENT:	KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. WASH BEFORE EATING, DRINKING, USING TOBACCO PRODUCTS, OR RESTROOMS.
STORAGE REQUIREMENTS:	KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA. CONTAINER HAZARDOUS WHEN EMPTY.

FIRST AID MEASURES

EYE:	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
SKIN:	WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
INGESTION:	DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.
INHALATION:	REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTICIAIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

REGULATORY INFORMATION

U.S. REGULATIONS:
CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4): NOT REGULATED.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.30): NOT REGULATED.

SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): NOT REGULATED.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):
ACUTE: NO
CHRONIC: NO
FIRE: YES
REACTIVE: NO
SUDDEN RELEASE: NO

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

PREPARATION DATE	
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

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EPAHO088002299

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

PRODUCT IDENTIFICATION AND USE

MANUFACTURER:	CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON, TX 77021
EMERGENCY PHONE NUMBER:	(713) 676-1460
PRODUCT IDENTIFIER:	DISULFIDE OIL
PRODUCT USE:	SULFIDING AGENT
WHMIS CLASSIFICATION:	B2 – FLAMMABLE LIQUID. D1A – VERY TOXIC MATERIAL CAUSING IMMEDIATE AND SERIOUS TOXIC EFFECTS D2B – TOXIC MATERIAL CAUSING OTHER TOXIC EFFECTS

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
DISULFIDE OIL SOLUTIONS	95	None	ACGIH TWA = 0.5 PPM
WATER	5		
LD50: 290 TO 500 MG/KG (ORAL-RATS)			(SKIN)
LD50: >2,000 MG/KG (DERMAL-RATS)			
LC50: 1,310 PPM (4-HR. – INHALATION-RATS)			

NOTE: Mixture of Dimethyl Disulfide, Diethyl Disulfide, Methyl Ethyl Disulfide

PHYSICAL DATA

PHYSICAL STATE:	LIQUID
ODOR AND APPEARANCE:	GREEN, BROWN, BLACK LIQUID, STRONG PUNGENT ODOR
ODOR THRESHOLD:	8-10 (PPB)
SPECIFIC GRAVITY/DENSITY (G/ML):	0.99 – 1.06 @ 20°C
VAPOR PRESSURE:	0.4 PSIA
VAPOR DENSITY (AIR = 1):	3.25
VOLATILITY/VOL (%):	100
SOLUBILITY IN H^2O:	INSOLUBLE
EVAPORATION RATE:	NE
BOILING POINT:	105-120°C
FREEZING POINT:	-80°C
PH:	NA

SHIPPING INFORMATION

UN 1993, 3, II, DISULFIDE OIL

U.S.DOT 49 CFR 172.101:
PROPER SHIPPING NAME: FLAMMABLE LIQUIDS, N.O.S. (DISULFIDE OIL)
ID NUMBER: UN1993
HAZARD CLASS OR DIVISION: 3
PACKING GROUP: II
LABELING REQUIREMENTS: 3

* NA – NOT APPLICABLE

* NE – NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

FIRE AND EXPLOSION HAZARD

FLAMMABILITY:	FLAMMABLE
CONDITIONS:	HEAT, SPARKS, OPEN FLAMES
MEANS OF EXTINCTION:	WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER MAY BE INEFFECTIVE.
FLASHPOINT:	< 30°C
UPPER EXPLOSION LIMIT (% V):	16 APPROX.
LOWER EXPLOSION LIMIT (% V):	1.1 APPROX.
AUTO-IGNITION TEMPERATURE:	300°C (572°F) APPROX.
HAZARDOUS COMBUSTION PRODUCTS:	OXIDES OF CARBON, SULFUR OXIDES, HYDROGEN SULFIDE
EXPLOSION DATA:	NE
SENSITIVITY TO IMPACT:	NO
SENSITIVITY TO STATIC DISCHARGE:	NO

REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	BLEACH, STRONG OXIDIZERS, REDUCING AGENTS, ACIDS CORROSIVE TO COPPER AND COPPER ALLOYS.
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ACUTE OVER EXPOSURE EFFECTS:	NE
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SENSITIZATION:	DOES NOT MEET WHMIS CRITERIA
CARCINOGENICITY:	DOES NOT MEET WHMIS CRITERIA
TERATOGENICITY:	DOES NOT MEET WHMIS CRITERIA
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SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.

EPAHO088002301

LEAK AND SPILL PROCEDURES:	ABSORB SMALL SPILLS WITH SAND. DIKE LARGE SPILLS AND COVER WITH FOAM OR WATER SPRAY TO REDUCE VAPOR EMISSIONS. TRANSFER TO A CLOSED CONTAINER. TREAT AREA WITH HOUSEHOLD BLEACH TO ELIMINATE ODOR. DO NOT USE SOLID BLEACH.
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SARA TITLE III SECTION 304 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355.40): NOT REGULATED.

SARA TITLE III SARA SECTIONS 311/312 HAZARDOUS CATEGORIES (40 CFR 370.21):
ACUTE: NO
CHRONIC: NO
FIRE: YES
REACTIVE: NO
SUDDEN RELEASE: NO

MATERIAL SAFETY DATA SHEET

DISULFIDE OIL SOLUTIONS

SARA TITLE III SECTION 313 (40 CFR 372.65): NOT REGULATED

OSHA PROCESS SAFETY (29 CFR 1910.119): NOT REGULATED

PREPARATION DATE	
PREPARED BY:	CES TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(713) 676-1460
DATE PREPARED (MM/DD/YY):	07/28/08

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EPAHO088002303

DATE_____ NO. **50718**

KMTEX
P.O. BOX 1421
2450 S. GULFWAY DRIVE
PORT ARTHUR, TEXAS 77640

ID 241611

GROSS 74520 lb INBOUND

01/15/2009 05:54PM

ID 241611

GROSS 32520 lb RECALLED
TARE 25840 lb
NET 43680 lb

01/15/2009 07:34PM

DRIVER ON ❑ OFF ❑

WEIGHED BY Robert O Burnett

EPAHO088002304

Delivery Order

BARBOURS CUT TERMINAL
1819 E BARBOURS CUT BLVD
LAPORTE,TX 77571

DATE	OUR REF. NO.
1/13/2009	000780412

THE MERCHANDISE DESCRIBED BELOW WILL BE ENTERED AND FORWARDED AS FOLLOWS:

IMPORTING CARRIER	LOCATION	FROM PORT OF ORIGIN AIRPORT
VERACRUZ EXPRESS (HOYU)	S787-BARBOURS CUT TERMINAL	

BL OR AWB NO.	ARRIVAL DATE	FREE TIME EXP.	LOCAL DELIVERY OR TRANSFER BY (DELIVERY ORDER ISSUED TO)
HLCUIS1081100211	12/23/2008		CUSTOMER PICKUP - CES

DELIVER TO▲	HAWB NO.	ENTRY NO.	CUST. REF. NO.
		BZC-0780412-9	000780412

FOR DELIVERY TO	ROUTE
CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON,TX 77021 Jennifer Rust ph:713 800-7913	

NO. OF PKGS.	DESCRIPTION OF ARTICLES, SPECIAL MARKS & EXCEPTIONS	WEIGHT	DO NOT USE
	FLAMMABLE LIQUID NOS CLASS 3, UN 1993 PKG II EMERGENCY PHONE NUMBER 713 676-1460		
	S787-1819 E BARBOURS CUT BLVD, LAPORTE, TX 77571		

ORIGINAL DELIVERY ORDER

DOC. No. : 780412-00001

INLAND FREIGHT

PREPAID / COLLECT
PrePaid

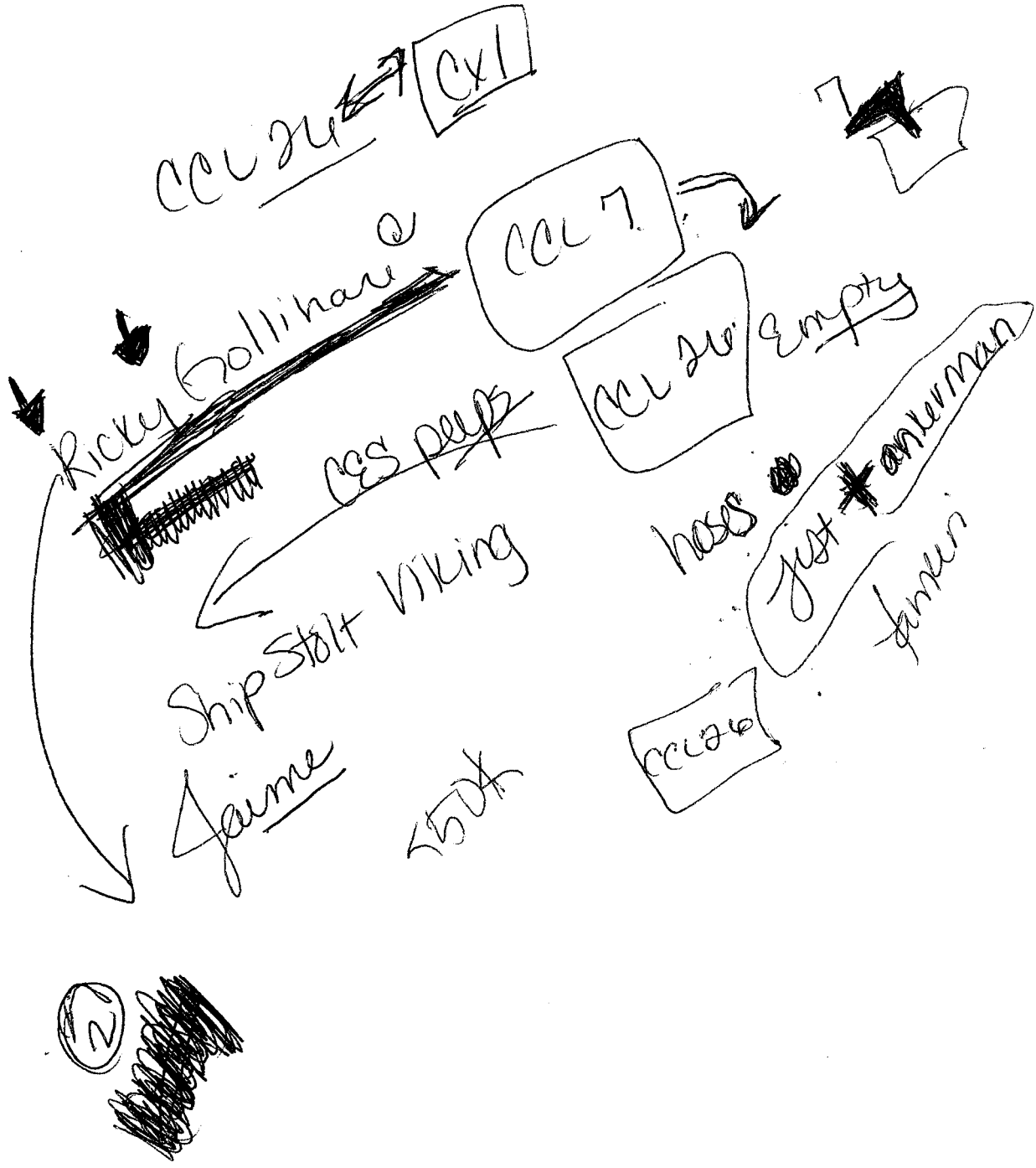
Received in Good Order
By:

ZIMMER WORLDWIDE LOGISTICS, INC FMC: 019647F
15710 JFK BLVD., SUITE 575
HOUSTON,TX 77032-2350
PER: ph: 8323005904 fax: 8322017479
NANCY LABROZZI

Liability, including negligence is limited to the sum of $50.00 per shipment, unless a greater valuation shall be paid for or agreed to be paid in writing prior to shipping.

DELIVERY CLERK: DELIVER TO CARRIER SHOWN ABOVE

IMPORTANT: NOTIFY US AT ONCE IF DELIVERY CANNOT BE EFFECTED AS INSTRUCTED.



CCL 24 ← 7 CX1

7

CCL 7

Ricky Gollihan @

CCL 26 Empty

CES peeps

hoses

just + anderman

Ship Stolt Viking

Jaime

<50%

CCL 26

2

- ❑ AVENEL
- ❑ BALTIMORE
- ❑ BAYAMON
- ❑ CHARLOTTE
- ❑ CRESTWOOD
- ❑ DETROIT
- ❑ JACKSONVILLE
- ❑ LA PORTE
- ❑ NITRO
- ❑ PAULSBORO
- ❑ SUMMIT

®DANA TANK CONTAINER, INC.

№ 263327

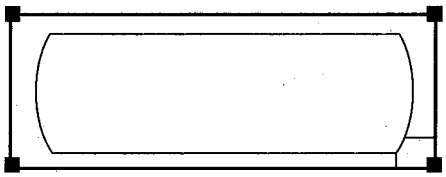
210 EAST ESSEX AVENUE • P.O. BOX 370 • AVENEL, NEW JERSEY 07001

DATE OF INSPECTION	PLACE OF INSPECTION	CONTAINER NUMBER	IN / OUT
1/15/09	DANA	HGTU 940005-8	9:35 AM
DELIVERED BY	**FOR**	**RECEIVED BY**	**FOR**
CES ENVIRONMETAL	276		
LOCATION OF INTERCHANGE			**REF. #**
ADDRESS 902 SENS RD	CITY LAPORTE,	STATE IN 46350	

RECEIVER INTERCHANGE — Inspect Carefully! Conditions not flagged on this form will be for your account.

EQUIPMENT CONDITION INSPECTION REPORT—
Mark appropriate diagram(s) with abbreviated notations indicated below. Use the bottom lines under the corresponding diagram columns to explain in detail the conditions of the tank.
INSPECT CAREFULLY!
Please mark clearly all damages and conditions— Remember you are responsible for all omissions. Use only these codes on squares in the diagrams to show the condition of the equipment.

BE	Bent	B	Bruise	DE	Dent	L	Loose	P	Punctured
BR	Broken	C	Cut	H	Hole	M	Missing	R	Rusty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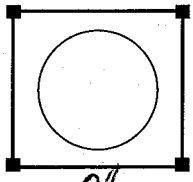
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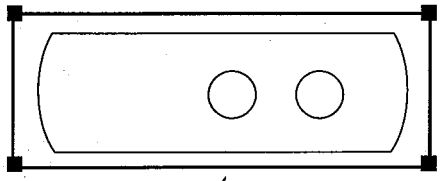
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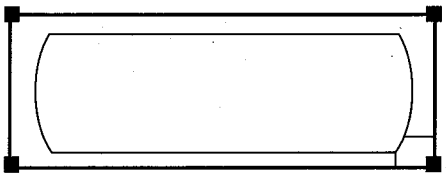
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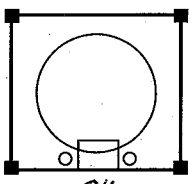
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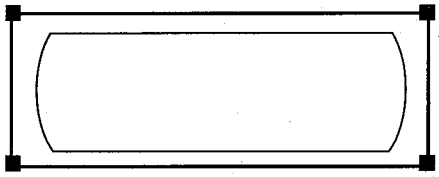
BOTTOM ok

FIXTURES

good	bad	–TOP–	IM
		1. manhole dome	101
		2. manhole gasket	
		3. safety devices protective covers	
		4. gauging stick	
		5. spill boxes	
		6. safety relief valve	
		7. calibration chart	
		8. rupture disks	
		9. air intake cap	
		10. air intake valve	
		11. manometers	
		12. dip tube	
		13. dip tube valve	
		14. blind flange	

good	bad	–REAR–
		15. thermometer
		16. internal foot valve
		17. remote foot valve
		18. coil intake
		19. coil outlet
		20. intake cap
		21. outlet cap

good	bad		
		22. external discharge valve	L24000
		23. discharge valve cap	
		24. tir placard	

–MISC.–

25. required data plate(s)	
25A. MFD	2007
26. CSC date	10/07
27. 5yr.	10/07 2.5yr

INTERNAL STATE OF THE TANK

yes	no		
		28A. loaded	
✓		28. clean	
		29. dirty	
		30. corroded/rusted	
		31. last product	

EXTERNAL STATE OF TANK AND FRAME

good	bad	
		32. painting
		33. insulation
		34. markings
		35. ladders
		36. walkway

CES | BOX 2
276 | 432141

FOR DELIVERING CARRIER: THIS EQUIPMENT WAS DELIVERED IN GOOD CONDITION, EXCEPT AS NOTED ABOVE.
BY _____ DATE 1/15/09

FOR RECEIVING CARRIER: THIS EQUIPMENT WAS RECEIVED IN GOOD CONDITION, EXCEPT AS NOTED ABOVE.
BY _____ DATE 1/15/09
DRIVER

EPAHO088002307

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : _____ Manifest # : _____

Port of Houston Authority

Client : _____ Ticket : 79532

Phone : 8009775123 Consignee : CES @ KMTEX

CES Environmental Services, Inc.

Transporter : _____

Signature Robert Burnett Signature _____

Leave CES Yard :		Arrive At Destination	5:55
Arrive At Customer :	2:50	Begin Unloading :	7:00
Begin Loading :	3:41	Finish Unloading :	7:50
Finish Loading :	3:58	Leave Destination :	8:00
Leave Customer :	4:10	Arrive At CES Yard :	9:40

Customer PO #:	Total Hours:	CES Unload: ☐

Gross Weight :		Ending Odometer :	339417
Tare Weight :		Begining Odometer :	339161
Net Weight :		Total Miles :	256

Driver : _____ Tractor # : _____ Tote # : _____

Signature : _____ Trailer # : _____ Box # : _____

Job Comments/Equipment : Delayed Engn Loading due to non-payment for ISO. Arrived & paid and was told that the container was on hold.

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002308

Gulf Winds INTERNATIONAL, INC.
THE INTERNATIONAL LOGISTICS SPECIALISTS

1000 E. Barbours Cut Blvd., La Porte TX 77571
Phone: (713) 747-4809
Fax: (281) 470-1023
jrydlund@gwil.com

C.E.S. Worksheet

EXAM #: MSCUHU583848
ORDER RECEIVED DATE: 11/18/2008

BROKER: CES

CARRIER: GWI

P/U LOC: BAYPORT TERMINAL
P/U DATE:

SCAC: MSCU
OBL: MSCUHU583848

VESSEL: MSC ALESSIA

QUANTITY: 1

COMMODITY: BOOKS

CONTAINER	SEAL	NEW SEAL	SIZE	TYPE	WORK TO DO
BSSL2689009			20	STD	ENFORCEMENT (CET)

INVOICE COMMENTS:

FOR CBP USE ONLY	
OFFICER'S NAME	TONY REITH
BADGE #	9147
SIGNATURE	
RELEASE DATE	11/26/08
COMMENTS	

CES RELEASE DATE:
DOOR LOCATION:
RECEIVED IN GOOD_____ NAME_____ DATE 11/26/08

EPAHO088002309

1000 E. Barbours Cut Blvd., La Porte TX 77571
Phone: (713) 747-4809
Fax: (281) 470-1023

GULF WINDS INTERNATIONAL, INC.
EQUIPMENT INTERCHANGE RECEIPT

EIR:	101608
CONTAINER:	BSSL2689009
OBL NO.:	MSCUHU583848
CARRIER:	CUSTOMER PICKUP
TRUCK NO.:	295
TRAILER NO.:	XNPZ208041
NEW SEAL NO.:	CANNOT SEAL
EIR DATE/TIME:	12/02/2008 14:38
I/C REMARKS:	3RD PARTY INTERCHANGE TO CES ENVIRONMENTAL SERVICES

DRIVER SIGNATURE Gustavo Santana DATE 12-02-08

Jennifer Rust

From: B MATYJASZCZYK USHOU EQUIP CTRL [bmatyjaszczyk@msc.us]
Sent: Tuesday, February 10, 2009 1:38 PM
To: Jennifer Rust; P JUNN USHOU IMPORT DOCUMENTATION MGR; mbenoit@gwii.com; D VEGA USHOU EQUIP OVERDUE MGR
Cc: Nancy LaBrozzi; I MARTINEZ USHOU IMPORT DOCUMENT; Zenaida Bondoc
Subject: RE: BSSL2689009 - BL# MSCUHU583848 - INTERCHANGED OUT TO CES ENVIRONMENTAL SERVICES 12/02/08 @ 14:38 ...
Attachments: Document.pdf; Document.pdf

Hello Jenifer.

Pls kindly note that all information we are able to give you can find in attachment.
Can you pls make arrangements to drop off this chassis to Bayport.

Here is address:

Bayport Container Terminal

12619 Port Road

Seabrook,TX 77586

Pls advise,
Thank you for your assistance in this matter.

Beata

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Tuesday, February 10, 2009 1:13 PM
To: P JUNN USHOU IMPORT DOCUMENTATION MGR; mbenoit@gwii.com; D VEGA USHOU EQUIP OVERDUE MGR
Cc: Nancy LaBrozzi; I MARTINEZ USHOU IMPORT DOCUMENT; B MATYJASZCZYK USHOU EQUIP CTRL; Zenaida Bondoc
Subject: RE: BSSL2689009 - BL# MSCUHU583848 - INTERCHANGED OUT TO CES ENVIRONMENTAL SERVICES 12/02/08 @ 14:38 ...

After speaking with the employees involved with this project it has been determined that the chasis was never ordered from any company. We only rented 3 iso containers from Hoyer & those were picked up & returned on our own chassis. The chassis is available for pick up at any time.

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: P JUNN USHOU IMPORT DOCUMENTATION MGR [mailto:PJUNN@msc.us]
Sent: Tuesday, February 10, 2009 1:04 PM
To: Jennifer Rust; mbenoit@gwii.com; D VEGA USHOU EQUIP OVERDUE MGR
Cc: Nancy LaBrozzi; I MARTINEZ USHOU IMPORT DOCUMENT; B MATYJASZCZYK USHOU EQUIP CTRL

Subject: RE: BSSL2689009 - BL# MSCUHU583848 - INTERCHANGED OUT TO CES ENVIRONMENTAL SERVICES 12/02/08 @ 14:38 ...

Adding Denise

Paulette Junn
Mediterranean Shipping Co.
Import Documentation - Manager
PH# 713-681-8880 **X 35256**
FAX# 713-263-1169

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Tuesday, February 10, 2009 12:56 PM
To: mbenoit@gwii.com
Cc: Nancy LaBrozzi; I MARTINEZ USHOU IMPORT DOCUMENT; P JUNN USHOU IMPORT DOCUMENTATION MGR; B MATYJASZCZYK USHOU EQUIP CTRL
Subject: RE: BSSL2689009 - BL# MSCUHU583848 - INTERCHANGED OUT TO CES ENVIRONMENTAL SERVICES 12/02/08 @ 14:38 ...

It is on our yard, but we do not know why – we transported the iso containers on our own chassis.....Can you give me more information as to how it came to our yard? Who delivered it & why? What is the address to drop the chassis off? We can have it delivered tomorrow.

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Nancy LaBrozzi [mailto:nlabrozzi@zimmerworldwide.com]
Sent: Tuesday, February 10, 2009 11:02 AM
To: Jennifer Rust
Subject: FW: BSSL2689009 - BL# MSCUHU583848 - INTERCHANGED OUT TO CES ENVIRONMENTAL SERVICES 12/02/08 @ 14:38 ...

Hi Jenny:

Please see below and advise.

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: mbenoit@gwii.com [mailto:mbenoit@gwii.com]
Sent: Tuesday, February 10, 2009 10:58 AM
To: E BELTRAN USHOU IMPORT DOCUMENT; imartinez@msc.us; pjunn@msc.us; Gulf Equipment; nlabrozzi@zimmerworldwide.com; bmatyjaszczyk@msc.us
Cc: bkennedy@gwii.com

Subject: BSSL2689009 - BL# MSCUHU583848 - INTERCHANGED OUT TO CES ENVIRONMENTAL SERVICES 12/02/08 @ 14:38 ...

Good Morning All,

- **This is in reference to BSSL2689009 - BL# MSCUHU583848.**

We understand that container **BSSL2689009** is a shipper-owned box ...
However, importer of record appears to have failed to his/her obligation to return **Chassis Number XNPZ208041.**to MED SHIPPING CO. after discharging cargo from imported container.

We would like to bring to every one's attention that liability on this equipment (both container and chassis) was transferred from Gulf Winds - C.E.S. to **CES ENVIRONMENTAL SERVICES** on the day they signed out the interchange authorizing removal from exam site.

Full line release from MSC authorized us to release cargo to final importer of record and/or broker acting on his behalf.

We send this courtesy notice in order to inform all parties that , if this has not been done yet, chassis must be returned to MEDITERRANEAN SHIPPING COMPANY immediately and without condition, and any additional cost relating to idling of this equipment will be for the account of importer of record, who has duly taken full responsibility on equipment on the day Container BSSLU2689009 & Chassis XNPZ208041 were interchanged out to 3rd party mentioned on INTERCHANGE (CES ENVIRONMENTAL SERVICES) signed & dated @ GWI-CES on 12/02/08 @ 14:38PM.

Please proceed with necessary arrangements to retrieve your equipment from importer of record and/or Broker acting on his behalf. Please charge all cost associated with idling equipment to importer of record.

We have exercised all due diligence on our end as a C.E.S. once we completed exam and released cargo and chassis to authorized party.

I may be reached at 713 440 5844 (Direct) if any questions.

Thank you.

MICHEL BENOIT
GULF WINDS INTERNATIONAL, INC.
CENTRALIZED EXAMINATION STATION (C.E.S.)
1000 East Barbours Cut Boulevard
La Porte, Texas 77571
Tel: 713 747 4909 / Fax: 281 470 1023

GULF WINDS INTERNATIONAL, INC. IS PLEASED TO ANNOUNCE THE OFFICIAL OPENING OF OUR DALLAS TRANSPORTATION TERMINAL. EFFECTIVE APRIL 16TH, 2007, WE ARE AVAILABLE TO SERVICE YOUR LOCAL AND OVER-THE-ROAD DRAYAGE NEEDS IN THE DALLAS / FORT WORTH MARKET. Email: Pricing@gwii.com.

****

C.E.S. STATION - GRAND OPENING, JUNE 20TH 2005
http://www.gwii.com/images_general/CES-Announcement-2005.pdf

Jennifer Rust

From: Jennifer Rust
Sent: Tuesday, January 27, 2009 4:24 PM
To: 'Ruth Saltsman'; Kristen Abshire; Matt Bowman; Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning; Ryan Thomas
Subject: RE: Kosovo Iso Containers
Attachments: image001.jpg

Please proceed.

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Ruth Saltsman [mailto:rsaltsman@c-cam.com]
Sent: Tuesday, January 27, 2009 4:23 PM
To: Kristen Abshire; Matt Bowman; Jennifer Rust; Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning; Ryan Thomas
Subject: RE: Kosovo Iso Containers

Cost is $66.00 for pressure test and dome gasket.

From: Kristen Abshire [mailto:kristen.abshire@hoyer-global.com]
Sent: Tuesday, January 27, 2009 4:19 PM
To: Matt Bowman; Jennifer Rust; Zenaida Bondoc; Ruth Saltsman
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning; Ryan Thomas
Subject: RE: Kosovo Iso Containers

Ruth,
Can you help with the cost for this? I am assuming it will just need a pressure test and dome gasket.

From: Matt Bowman [mailto:mbowman@cesenvironmental.com]
Sent: Tuesday, January 27, 2009 3:53 PM
To: Jennifer Rust; Zenaida Bondoc; Kristen Abshire
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning; Ryan Thomas
Subject: RE: Kosovo Iso Containers

Jenny, this should not cost more than a few dollars

From: Jennifer Rust
Sent: Tuesday, January 27, 2009 2:11 PM
To: Zenaida Bondoc; Kristen Abshire
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning; Matt Bowman; Ryan Thomas
Subject: RE: Kosovo Iso Containers

The driver did not turn one in when he delivered the box? I apologize – I will fax it over shortly. I spoke with the washout facility & the dome gasket will need replaced. Please provide me quote before proceeding with replacement.

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 27, 2009 2:02 PM
To: Jennifer Rust; Kristen Abshire
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning; Matt Bowman; Ryan Thomas
Subject: RE: Kosovo Iso Containers

Hi Jennifer,

You said you will provide a cleaning certificate?

Please check with your cleaning facility what happen to the dome gasket? If this is missing then, you are responsible or the repair.

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
2100 Space Park Dr.
Suite 200
Houston, Texas 77058
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Tuesday, January 27, 2009 1:54 PM
To: Kristen Abshire; Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning; Matt Bowman; Ryan Thomas
Subject: RE: Kosovo Iso Containers

I do not understand – we rented these tanks – we used them, washed them & returned them. Why are we responsible for running testing, ect. on the containers? I was not aware of this & need to know what we are obligated to do by contract.

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Kristen Abshire [mailto:kristen.abshire@hoyer-global.com]
Sent: Tuesday, January 27, 2009 11:49 AM
To: Jennifer Rust; Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers
Importance: High

Zenaida,

The HGTU 940005-8 is the first tank to arrive, it is missing the domegasket. Are all of these tanks to be sent to C-Cam for repairs/testing, or are they supposed to be coming in available?

Thanks,
Kristen

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Friday, January 23, 2009 10:21 AM
To: Kristen Abshire; Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers

They will be arriving clean- I will make sure they have cleaning certificates!

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Kristen Abshire [mailto:kristen.abshire@hoyer-global.com]
Sent: Friday, January 23, 2009 10:20 AM
To: Zenaida Bondoc; Jennifer Rust
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers

Are these clean tanks and will they be coming in with cleaning certificates if they are clean? If they are dirty, I will need to know what the previous product was.

From: Zenaida Bondoc
Sent: Friday, January 23, 2009 10:16 AM
To: 'Jennifer Rust'; Kristen Abshire
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers

turn them in to the address below and contact Kristen Abshire.

Kristine,, 3 empty will be turned in today, please kindly accept them.
Ord No Tank no.
172864 HOTU1615035
172865 HGTU9400058
172866 HOTU2411611

thanks a lot

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
2100 Space Park Dr.
Suite 200
Houston, Texas 77058
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Thursday, January 22, 2009 7:12 PM
To: Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers

Do I need any paperwork / information to turn these boxes in at this location? Who is the contact?

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Monday, January 19, 2009 9:43 AM
To: Jennifer Rust
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers

Please have them delivered to

Hoyer Terminal Services
9938 Chemical Road
Pasadena 77507 TX

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
2100 Space Park Dr.
Suite 200
Houston, Texas 77058
Phone: 281-853-1000
Direct: 281-853-1079

Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

Save a tree. Don't print this e-mail unless it's really necessary.

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Thursday, January 15, 2009 5:49 PM
To: Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: Kosovo Iso Containers
Importance: High

Where do I take the clean boxes to to get them off-rent? What address & what information do I need to have.

Thank You,

Jenny Rust

CES Environmental Services, Inc.
Office: 713-676-1460
Direct: 713-800-7913
Cell: 713-367-8581
Fax: 713-748-8664
jrust@cesenvironmental.com
Visit us at http://cesenvironmental.com

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3208 KA-Spijkenisse - The Netherlands
P.O. Box 15, 3200 AA - Spijkenisse - The Netherlands
Telephone: +31 (0) 181 691 600
Fax: +31 (0) 181 691 699
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Proforma Invoice

Shipper
Kosovo Ministry of Environmental and Spatial Planning
Rruga Nazim Gaffuri Nr 31
Taslixhe Pristina Republic of Kosovo

Consignee
CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Date: 12/15/2008
Inv. Number: PI780412

INCOTerms: FOB
POL: Kumport, Istanbul
POE: Houston, TX
Carrier: Hoyer
Vessel: Veracruz Express V72W

BL: HLCUIS1081100211

Qty - MT	Weight	Description	USD Unit Price	USD Total
20.10	20100kg	Disulphide Oil	622.30/T	12,508.23
15.00	15000kg	Disulphide Oil	622.30/T	9334.50
18.12	18120kg	Disulphide Oil	622.30/T	11,276.07

7910.19.1013/BBL/$0.0525

Country of Origin: Kosovo

Subtotal:	$33,118.80
Tax:	$0.00
Total	$33,118.80

CES Environmental

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1678

Transportation Work Ticket

Folder ID : Kosovo Government
Disulfide Oil Project

Date : 1/28/2009 Manifest # : N/A

CES Environmental @ DANA Container

Client : Ticket : 80199

Phone : 7139781460 Consignee : Hoyer Terminal Services

CES Environmental Services, Inc.

Transporter :

Signature X Signature

Leave CES Yard :	2:00	Arrive At Destination	3:00
Arrive At Customer :	2:30	Begin Unloading :	
Begin Loading :		Finish Unloading :	
Finish Loading :		Leave Destination :	3:15
Leave Customer :	2:45	Arrive At CES Yard :	4:00

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	243546
Tare Weight :		Begining Odometer :	243482
Net Weight :		Total Miles :	

Driver : Berry, Noah Tractor # : 287 Tote # :

Signature : Trailer # : Iso chasis Box # :

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002321

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Kosovo Government Disulfide Oil Project

Customer : CES Environmental @ DANA Container
Address : 902 Sens Road
City,State,Zip : LaPorte TX , 77571
CES Contact : () -

Driver : Berry, Noah
Helper :
Date : 1/28/2009 Time : 3rd
Truck # 287 Trailer # iso chasis

Job Description :

Pick up empty iso container# HOTU2411611 Order# 172866 from Dana Container

DO NOT LEAVE WITHOUT COPY OF CLEANING CERTIFICATE - HOYER WILL NOT ACCEPT BOX WITH OUT CERTIFICATE!!!!!!!!!!!!

Drop box at Hoyer

The iso containers are clean, but Hoyer still may want to know the last contained - if so it is below, but make sure they know the boxes are already clean.

RQ, Flammable Liquids, N.O.S. (disulfide oil), 3, UN1993, PG II

Original BOL#HLCUIS1081100211

Problems? Questions? Call Jenny @ 713-367-8581

ID #: 80199

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	Julio	Name:	
Close:	04:30 PM	Number:	(832) 362-8676	Number:	

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :	08:00 AM	Name:	Kristen Abshire	Name:	Hoyer Terminal Services
Close:	03:00 PM	Number:	(832) 277-6339	Number:	(281) 853-1000

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☑ YES ☐ NO

IF YES, WHAT? Standard

HACSC REQUIRED: ☐ YES ☑ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☑ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☑ NO

ROPPER PUMP: ☐ YES ☑ NO

BOX LINER REQUIRED ☐ YES ☑ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO **CUSTOMER OWNS BOX:** ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO **CUSTOMER RENTED BOX:** ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED: N/A

SIZE: N/A

LOADING FROM (i.e. Tank): N/A

SIZE OF FITTING: N/A

TYPE OF FITTING: N/A

DRUM DOLLY NEEDED: ☐ YES ☑ NO

PALLET JACK NEEDED: ☐ YES ☑ NO

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☑ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☐ YES ☑ NO **IF YES, HOW MANY?** 0

EQUIPMENT NEEDED:

EPAHO088002323

Jennifer Rust

From: Kristen Abshire [kristen.abshire@hoyer-global.com]
Sent: Friday, January 23, 2009 10:20 AM
To: Zenaida Bondoc; Jennifer Rust
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers
Attachments: image001.jpg

Are these clean tanks and will they be coming in with cleaning certificates if they are clean? If they are dirty, I will need to know what the previous product was.

From: Zenaida Bondoc
Sent: Friday, January 23, 2009 10:16 AM
To: 'Jennifer Rust'; Kristen Abshire
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers

turn them in to the address below and contact Kristen Abshire.

Kristine,, 3 empty will be turned in today, please kindly accept them.
Ord No Tank no.
172864 HOTU1615035
172865 HGTU9400058
172866 HOTU2411611

thanks a lot

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
2100 Space Park Dr.
Suite 200
Houston, Texas 77058
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Thursday, January 22, 2009 7:12 PM
To: Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers

Do I need any paperwork / information to turn these boxes in at this location? Who is the contact?

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Monday, January 19, 2009 9:43 AM
To: Jennifer Rust
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers

Please have them delivered to

Hoyer Terminal Services
9938 Chemical Road
Pasadena 77507 TX

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
2100 Space Park Dr.
Suite 200
Houston, Texas 77058
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

Save a tree. Don't print this e-mail unless it's really necessary.

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Thursday, January 15, 2009 5:49 PM
To: Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: Kosovo Iso Containers
Importance: High

Where do I take the clean boxes to to get them off-rent? What address & what information do I need to have.

Thank You,

Jenny Rust

CES Environmental Services, Inc.

Office: 713-676-1460
Direct: 713-800-7913
Cell: 713-367-8581
Fax: 713-748-8664
jrust@cesenvironmental.com
Visit us at http://cesenvironmental.com

DISCLAIMER

All business is subject to:

1) Combicon conditions, containing a jurisdiction clause electing the District Court of Rotterdam as the competent forum, will be applicable in case a HOYER Global Transport Bill of Lading will be issued,

2) Fenex conditions, containing an Arbitration clause, will be applicable for all forwarding services and all services and/or activities not being covered by the Combicon conditions.

The information contained in this communication is confidential and may be legally privileged. It is intended solely for the use of the individual or entity to whom it is addressed and others authorised to receive it. If you are not the intended recipient you are hereby notified that any disclosure, copying, distribution or taking any action in reliance on the contents of this information is strictly prohibited and may be unlawful. HOYER Global Transport BV, its subsidiaries and all other companies within the HOYER Group are neither liable for the proper and complete transmission of the information contained in this communication nor for any delay in its receipt.

HOYER Global Transport B.V.,
Boyleweg 6,
3208 KA-Spijkenisse - The Netherlands
P.O. Box 15, 3200 AA - Spijkenisse - The Netherlands
Telephone: +31 (0) 181 691 600
Fax: +31 (0) 181 691 699
VAT NL 001242465B01
Chamber of Commerce Rotterdam Number 2411398

CES Environmental Services, Inc.

Bill Of Lading # : 79532

Folder ID :	Kosovo Government Disulfide Oil Project

Original – Shipper Provided Short Form Straight Bill of Lading – Not Negotiable – Domestic

SHIPPED FROM :

Port of Houston Authority 11a)
515 East Barbours Cut 11b)
La Porte , TX 77571 11c)
(800) 877-5123 11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

For payment: Charges to be billed to Shipper or the "Billed to" party are set forth in the governing contract with Shipper. No charges other than those contained therein may be billed to Shipper or the "Billed to" party without prior written consent of Shipper. The extra copy of this Bill of Lading, furnished at the time of shipment, must be attached to the freight bill submitted to Shipper or the "Billed to" party and sent to:

CONSIGNED TO :

CES @ KMTEX
2450 South Gulfway Drive
Port Arthur , TX 77641

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston , TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.64© Implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container No.	Container Type	Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
No	1	CT	35,840	P	RQ, Flammable Liquids, N.O.S. (disulfide oil), 3, UN1993, PG II

Shipper : Port of Houston Authority

Per : _____ Signature : _____ Date : _____

Carrier CES Environmental Services, Inc.

Per : Robert Harris Signature : [signature] Date : 1/15/09

Receiving Facility CES @ KMTEX

Per : W.H. W.P. Signature : [signature] Date : 1-15-09

White (Generator Return Copy) Yellow (Transporter Copy) Pink (Receiving Facility Copy) Golden Rod (Generator 1st Copy)

EPAHO088002327

CES Environmental Services, Inc.

Bill Of Lading # : 79533

Folder ID :	Kosovo Government Disulfide Oil Project

Original – Shipper Provided Short Form Straight Bill of Lading – Not Negotiable – Domestic

SHIPPED FROM :

Port of Houston Authority 11a)
515 East Barbours Cut 11b)
La Porte , TX 77571 11c)
(800) 877-5123 11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which *said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees* to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

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CONSIGNED TO :

CES @ KMTEX
2450 South Gulfway Drive
Port Arthur , TX 77641

CARRIER :

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston , TX 77021

This is to certify that the product stated below are properly classified, described, packaged, marked and labeled and is in proper condition for transportation according to the applicable regulations of the Department of Transportation. If this Shipment moves between to ports by a carrier by water, the law requires that the Bill of Lading shall state whether it is "carrier's or shipper's weight."

Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.5409 implementing the Intermodal Safe Container Act of 1982 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container No.	Container Type	Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
No	1	CT	39500	P	RQ, Flammable Liquids, N.O.S. (disulfide oil), 3, UN1993, PG II

Shipper : Port of Houston Authority

Per : _____ **Signature :** _____ **Date :** _____

Carrier CES Environmental Services, Inc.

Per : Robert Henry **Signature :** [signature] **Date :** 1/15/09

Receiving Facility CES @ KMTEX

Per : Pamela Toman **Signature :** Pamela Toman **Date :** 1-15-09

White (Generator Return Copy) Yellow (Transporter Copy) Pink (Receiving Facility Copy) Golden Rod (Generator 1st Copy)

DATE 1-15-09 NO. **50704**

KMTEX
P.O. BOX 1421
2450 S. GULFWAY DRIVE
PORT ARTHUR, TEXAS 77640

ID 1615035

GROSS 75280 lb INBOUND

01/15/2009 12:03PM

ID 1615035

GROSS 75280 lb RECALLED
TARE 35780 lb
NET 39500 lb

01/15/2009 01:08PM

DRIVER ON ☐ OFF ☑

WEIGHED BY Pamela Doman

EPAHO088002329

Delivery Order

BARBOURS CUT TERMINAL
1819 E BARBOURS CUT BLVD
LAPORTE,TX 77571

DATE	OUR REF. NO.
1/13/2009	000780412

THE MERCHANDISE DESCRIBED BELOW WILL BE ENTERED AND FORWARDED AS FOLLOWS:

IMPORTING CARRIER	LOCATION	FROM PORT OF ORIGIN AIRPORT
VERACRUZ EXPRESS (HOYU)	S787-BARBOURS CUT TERMINAL	

BL OR AWB NO.	ARRIVAL DATE	FREE TIME EXP.	LOCAL DELIVERY OR TRANSFER BY (DELIVERY ORDER ISSUED TO)
HLCUIS1081100211	12/23/2008		CUSTOMER PICKUP - CES

Scac Code ### HLCU DELIVER TO▲

HAWB NO.	ENTRY NO.	CUST. REF. NO.
	BZC-0780412-9	000780412

FOR DELIVERY TO	ROUTE
CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON,TX 77021 Jennifer Rust ph:713 800-7913	

NO. OF PKGS.	DESCRIPTION OF ARTICLES, SPECIAL MARKS & EXCEPTIONS	WEIGHT	DO NOT USE
1 VL	DISULFIDE OIL MASTER NO.:HLCUIS1081100211 – 2nd P/U CONTAINER NO.: HOTU2411611 1 VL 20100 KG/44313.47 LB	20100.00 Kg 44313.47 Lb 0.0000 M3	
1 VL	CONTAINER NO.: HGTU9400058 1 VL 15000 KG/33069.75 LB	15000.00 Kg 33069.75 Lb 0.0000 M3	
1 VL	CONTAINER NO.: HOTU1615035 1 VL 18120 KG/39948.26 LB	18120.00 Kg 39948.26 Lb 0.0000 M3	
S787-1819 E BARBOURS CUT BLVD, LAPORTE, TX 77571			

ORIGINAL DELIVERY ORDER

DOC. No. : 780412-00001

INLAND FREIGHT

PREPAID / COLLECT
PrePaid

Received in Good Order
By:

ZIMMER WORLDWIDE LOGISTICS, INC FMC: 019647F
15710 JFK BLVD., SUITE 575
HOUSTON,TX 77032-2350
PER: ph: 8323005904 fax: 8322017479
NANCY LABROZZI

Liability, including negligence is limited to the sum of $50.00 per shipment, unless a greater valuation shall be paid for or agreed to be paid in writing prior to shipping.

DELIVERY CLERK: DELIVER TO CARRIER SHOWN ABOVE

IMPORTANT: NOTIFY US AT ONCE IF DELIVERY CANNOT BE EFFECTED AS INSTRUCTED.

Delivery Order

BARBOURS CUT TERMINAL
1819 E BARBOURS CUT BLVD
LAPORTE,TX 77571

DATE	OUR REF. NO.
1/13/2009	000780412

THE MERCHANDISE DESCRIBED BELOW WILL BE ENTERED AND FORWARDED AS FOLLOWS:

IMPORTING CARRIER	LOCATION	FROM PORT OF ORIGIN AIRPORT
VERACRUZ EXPRESS (HOYU)	S787-BARBOURS CUT TERMINAL	

BL OR AWB NO.	ARRIVAL DATE	FREE TIME EXP.	LOCAL DELIVERY OR TRANSFER BY (DELIVERY ORDER ISSUED TO)
HLCUIS1081100211	12/23/2008		CUSTOMER PICKUP - CES

DELIVER TO▲	HAWB NO.	ENTRY NO.	CUST. REF. NO.
SCAC Code #HLCU		BZC-0780412-9	000780412

FOR DELIVERY TO	ROUTE
CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON,TX 77021 Jennifer Rust ph:713 800-7913	

NO. OF PKGS.	DESCRIPTION OF ARTICLES, SPECIAL MARKS & EXCEPTIONS	WEIGHT	DO NOT USE
1 VL	DISULFIDE OIL MASTER NO.:HLCUIS1081100211 CONTAINER NO.: HOTU2411611 1 VL 20100 KG/44313.47 LB	20100.00 Kg 44313.47 Lb 0.0000 M3	
1 VL	CONTAINER NO.: HGTU9400058 1 VL 15000 KG/33069.75 LB	15000.00 Kg 33069.75 Lb 0.0000 M3	
1 VL	CONTAINER NO.: HOTU1615035 1 VL 18120 KG/39948.26 LB	18120.00 Kg 39948.26 Lb 0.0000 M3	
	S787-1819 E BARBOURS CUT BLVD, LAPORTE, TX 77571		

ORIGINAL DELIVERY ORDER

INLAND FREIGHT

PREPAID / COLLECT
PrePaid

DOC. No. : 780412-00001

Received in Good Order
By:

ZIMMER WORLDWIDE LOGISTICS, INC FMC: 019647F
15710 JFK BLVD., SUITE 575
HOUSTON,TX 77032-2350
PER: ph: 8323005904 fax: 8322017479
NANCY LABROZZI

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IMPORTANT: NOTIFY US AT ONCE IF DELIVERY CANNOT BE EFFECTED AS INSTRUCTED.

Delivery Order

BARBOURS CUT TERMINAL
1819 E BARBOURS CUT BLVD
LAPORTE,TX 77571

DATE	OUR REF. NO.
1/13/2009	000780412

THE MERCHANDISE DESCRIBED BELOW WILL BE ENTERED AND FORWARDED AS FOLLOWS:

IMPORTING CARRIER	LOCATION	FROM PORT OF ORIGIN AIRPORT
VERACRUZ EXPRESS (HOYU)	S787-BARBOURS CUT TERMINAL	

BL OR AWB NO.	ARRIVAL DATE	FREE TIME EXP.	LOCAL DELIVERY OR TRANSFER BY (DELIVERY ORDER ISSUED TO)
HLCUIS1081100211	12/23/2008		CUSTOMER PICKUP - CES

DELIVER TO▲	HAWB NO.	ENTRY NO.	CUST. REF. NO.
		BZC-0780412-9	000780412

FOR DELIVERY TO	ROUTE
CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON,TX 77021 Jennifer Rust ph:713 800-7913	

NO. OF PKGS.	DESCRIPTION OF ARTICLES, SPECIAL MARKS & EXCEPTIONS	WEIGHT	DO NOT USE
	FLAMMABLE LIQUID NOS CLASS 3, UN 1993 PKG II EMERGENCY PHONE NUMBER 713 676-1460		
	S787-1819 E BARBOURS CUT BLVD, LAPORTE, TX 77571		

ORIGINAL DELIVERY ORDER

DOC. No. : 780412-00001

INLAND FREIGHT

PREPAID / COLLECT
PrePaid

Received in Good Order
By:

ZIMMER WORLDWIDE LOGISTICS, INC FMC: 019647F
15710 JFK BLVD., SUITE 575
HOUSTON,TX 77032-2350
PER: ph: 8323005904 fax: 8322017479
NANCY LABROZZI

Liability, including negligence is limited to the sum of $50.00 per shipment, unless a greater valuation shall be paid for or agreed to be paid in writing prior to shipping.

DELIVERY CLERK: DELIVER TO CARRIER SHOWN ABOVE

IMPORTANT: NOTIFY US AT ONCE IF DELIVERY CANNOT BE EFFECTED AS INSTRUCTED.

- ❑ AVENEL
- ❑ BALTIMORE
- ❑ BAYAMON
- ❑ CHARLOTTE
- ❑ CRESTWOOD
- ❑ DETROIT
- ❑ JACKSONVILLE
- ❑ LA PORTE
- ❑ NITRO
- ❑ PAULSBORO
- ❑ SUMMIT

DANA TANK CONTAINER, INC.

№ 263352

210 EAST ESSEX AVENUE • P.O. BOX 370 • AVENEL, NEW JERSEY 07001

DATE OF INSPECTION	PLACE OF INSPECTION	CONTAINER NUMBER	IN / OUT
1/15/09	DANA	HOTU 161503-5	2:29 PM
DELIVERED BY	**FOR**	**RECEIVED BY**	**FOR**
CES ENVIRMENTAL 276			

LOCATION OF INTERCHANGE

ADDRESS 902 SENS RD CITY LAPORTE STATE TX 77571 REF. #

RECEIVER INTERCHANGE

Inspect Carefully! Conditions not flagged on this form will be for your account.

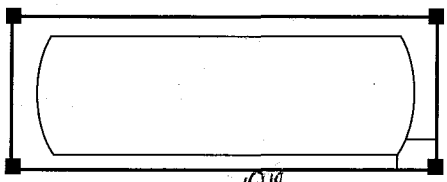
EQUIPMENT CONDITION INSPECTION REPORT—

Mark appropriate diagram(s) with abbreviated notations indicated below. Use the bottom lines under the corresponding diagram columns to explain in detail the conditions of the tank.

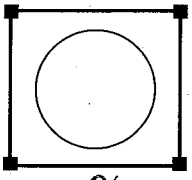
INSPECT CAREFULLY!

Please mark clearly all damages and conditions— Remember you are responsible for all omissions. Use only these codes on squares in the diagrams to show the condition of the equipment.

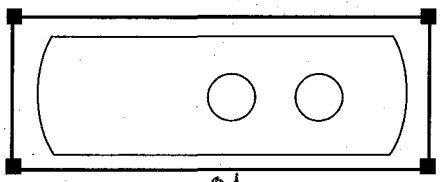
BE	Bent	B	Bruise	DE	Dent	L	Loose	P	Punctured
BR	Broken	C	Cut	H	Hole	M	Missing	R	Rusty



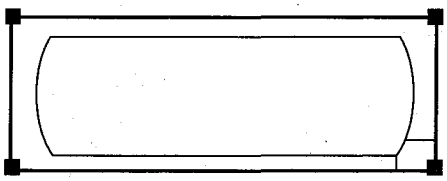
LEFT OK



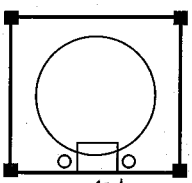
FRONT OK



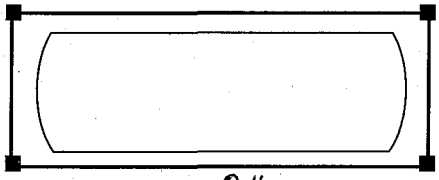
TOP OK



RIGHT OK



REAR OK



BOTTOM OK

FIXTURES

good	bad		
		–TOP –	
		1. manhole dome	101 IM
		2. manhole gasket	
		3. safety devices protective covers	
		4. gauging stick	
		5. spill boxes	
		6. safety relief valve	
		7. calibration chart	
		8. rupture disks	
		9. air intake cap	
		10. air intake valve	
		11. manometers	
		12. dip tube	
		13. dip tube valve	
		14. blind flange	
		–REAR –	
		15. thermometer	
		16. internal foot valve	
		17. remote foot valve	
		18. coil intake	CES
		19. coil outlet	BONZ
		20. intake cap	276 432141
		21. outlet cap	

good	bad		
		22. external discharge valve	L 26000
		23. discharge valve cap	
		24. tir placard	
		–MISC. –	
		25. required data plate(s)	
		25A. MFD 2006	
		26. CSC date 7/06	
		27. 5yr. 7/06 2.5yr	

INTERNAL STATE OF THE TANK

yes	no	
		28A. loaded
✓		28. clean
		29. dirty
		30. corroded/rusted
		31. last product

EXTERNAL STATE OF TANK AND FRAME

good	bad	
		32. painting
		33. insulation
		34. markings
		35. ladders
		36. walkway

FOR DELIVERING CARRIER: THIS EQUIPMENT WAS DELIVERED IN GOOD CONDITION, EXCEPT AS NOTED ABOVE.

BY _____ DATE 1/15/09

FOR RECEIVING CARRIER: THIS EQUIPMENT WAS RECEIVED IN GOOD CONDITION, EXCEPT AS NOTED ABOVE.

BY _____ DATE 1/15/09

DRIVER

EPAHO088002333

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : 1/15/2009 Manifest # :

Port of Houston Authority

Client : Ticket : 79533

Phone : 8008775123 CES @ KMTEX

Consignee :

CES Environmental Services, Inc.

Transporter :

Signature Signature Pamela Dorman

Leave CES Yard :	5:40	Arrive At Destination	10:00
Arrive At Customer :	6:00	Begin Unloading :	10:20
Begin Loading :	9:10	Finish Unloading :	10:38
Finish Loading :	9:25	Leave Destination :	10:45
Leave Customer :	9:33	Arrive At CES Yard :	

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	339160
Tare Weight :		Begining Odometer :	339055
Net Weight :		Total Miles :	101

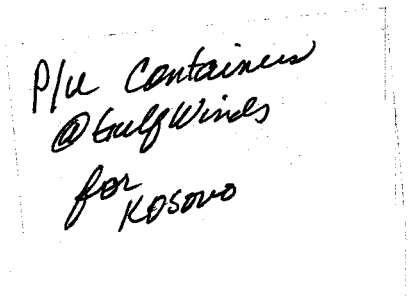
Driver : ~~Garza, Alfredo~~ R. Howard Tractor # : ~~299~~ 276 Tote # :

Signature : Trailer # : Box # :

Job Comments/Equipment : OFF LOADING WAS DELAYED AT DAVA BECAUSE THEY HAD NO ONE WHO COULD UNLOAD THE ISO CONTAINER. THE EMPLOYEE RESPONSIBLE FOR THIS WAS LATE TO WORK. AND DELAYED SLIGHTLY DUE TO LAST CONTAINER IN ISO.

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002334


P/u containers
@ Gulfwinds
for
Kosovo

CES Environmental Services, Inc.

Bill Of Lading # : 79521

Folder ID :	Kosovo Government Disulfide Oil Project

Original – Shipper Provided Short Form Straight Bill of Lading – Not Negotiable – Domestic

SHIPPED FROM :

Gulf Winds International 11a)
11b)
11c)
(800) 877-5123 11c)

The property described below, in apparent good order, except as noted (content and condition of packages unknown), marked, consigned, and destined as indicated below, which *said carrier (the word carrier being understood throughout this as meaning any person or corporation authorized to be in possession of the property under the contract) agrees to* carry to its unusual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. This Bill of Lading is a receipt for goods; it is not of itself a contract of carriage. It is mutually agreed, as to each carrier of all or as to any said over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions contained in the applicable contract between shipper and carrier or intermediary.

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CONSIGNED TO :
CES @ KMTEX
2450 South Gulfway Drive
Port Arthur , TX 77641

CARRIER :
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston , TX 77021

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Intermodal Certificate: All information required by Federal Highway Administration regulations at 49 CFR 390.54© implementing the Intermodal Safe Container Act of 1992 is set forth on the face of this bill of lading. The shipper name herein is the tendering party.

Haz	Container No.	Container Type	Total Quantity	Unit Wt/Vol	Description of Materials, Special Marks, and Exceptions
No	1	CT	32220	P	RQ, Flammable Liquids, N.O.S. (disulfide oil), 3, UN1993, PG II

Shipper : Gulf Winds International

Per : _____ **Signature :** _____ **Date :** _____

Carrier CES Environmental Services, Inc.

Per : Robert Henry **Signature :** [signature] **Date :** 1/14/09

Receiving Facility CES @ KMTEX

Per : WM. WN. **Signature :** [signature] **Date :** 1-14-09

White (Generator Return Copy) Yellow (Transporter Copy) Pink (Receiving Facility Copy) Golden Rod (Generator 1st Copy)

DATE_____ NO. **50688**

KMTEX
P.O. BOX 1421
2450 S. GULFWAY DRIVE
PORT ARTHUR, TEXAS 77640

ID 9400058

GROSS 68380 lb INBOUND

01/14/2009 04:49PM

ID 9400058

GROSS 68380 lb RECALLED
TARE 35660 lb
NET 32720 lb

01/14/2009 06:53PM

DRIVER ON ❑ OFF ❑

WEIGHED BY_____

EPAHO088002337

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : 1/14/2009

Manifest # :

Client : Gulf Winds International

Ticket : 79521

Phone : 8008775123

Consignee : CES @ KMTEX

Transporter : CES Environmental Services, Inc.

Signature [signature]

Signature

Leave CES Yard :	5:45	Arrive At Destination	4:50
Arrive At Customer :	7:00	Begin Unloading :	6:00
Begin Loading :	2:10	Finish Unloading :	6:50
Finish Loading :	2:30	Leave Destination :	7:00
Leave Customer :	2:45	Arrive At CES Yard :	8:30

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	339055
Tare Weight :		Begining Odometer :	338818
Net Weight :		Total Miles :	236

Driver : Henry, Robert

Tractor # : 276

Tote # :

Signature : [signature]

Trailer # : ISO TRL

Box # :

Job Comments/Equipment : Delayed due to not having the proper information to enter the port. Was given the wrong address, no contact name, no phone number.

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

Jennifer Rust

From: Zenaida Bondoc [Zenaida.Bondoc@Hoyer-Global.com]
Sent: Monday, January 19, 2009 9:43 AM
To: Jennifer Rust
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: RE: Kosovo Iso Containers
Attachments: image001.jpg

Please have them delivered to contact # ~~#~~ additional info? Hrs of terminal

Hoyer Terminal Services
9938 Chemical Road
Pasadena 77507 TX

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
2100 Space Park Dr.
Suite 200
Houston, Texas 77058
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

Save a tree. Don't print this e-mail unless it's really necessary.

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Thursday, January 15, 2009 5:49 PM
To: Zenaida Bondoc
Cc: Nancy LaBrozzi; Ramiz Tafilaj; Knut Scharning
Subject: Kosovo Iso Containers
Importance: High

Where do I take the clean boxes to to get them off-rent? What address & what information do I need to have.

Thank You,

Jenny Rust

CES Environmental Services, Inc.
Office: 713-676-1460
Direct: 713-800-7913

Delivery Order

BARBOURS CUT TERMINAL
1819 E BARBOURS CUT BLVD
LAPORTE,TX 77571

DATE	OUR REF. NO.
1/13/2009	000780412

THE MERCHANDISE DESCRIBED BELOW WILL BE ENTERED AND FORWARDED AS FOLLOWS:

IMPORTING CARRIER	LOCATION	FROM PORT OF ORIGIN AIRPORT
VERACRUZ EXPRESS (HOYU)	S787-BARBOURS CUT TERMINAL	

BL OR AWB NO.	ARRIVAL DATE	FREE TIME EXP.	LOCAL DELIVERY OR TRANSFER BY (DELIVERY ORDER ISSUED TO)
HLCUIS1081100211	12/23/2008		CUSTOMER PICKUP - CES

DELIVER TO▲	HAWB NO.	ENTRY NO.	CUST. REF. NO.
		BZC-0780412-9	000780412

FOR DELIVERY TO	ROUTE
CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON,TX 77021 Jennifer Rust ph:713 800-7913	

NO. OF PKGS.	DESCRIPTION OF ARTICLES, SPECIAL MARKS & EXCEPTIONS	WEIGHT	DO NOT USE
1 VL	DISULFIDE OIL MASTER NO.:HLCUIS1081100211 CONTAINER NO.: HOTU2411611 1 VL 20100 KG/44313.47 LB	20100.00 Kg 44313.47 Lb 0.0000 M3	
1 VL	CONTAINER NO.: HGTU9400058 1 VL 15000 KG/33069.75 LB	15000.00 Kg 33069.75 Lb 0.0000 M3	
1 VL	CONTAINER NO.: HOTU1615035 1 VL 18120 KG/39948.26 LB	18120.00 Kg 39948.26 Lb 0.0000 M3	
S787-1819 E BARBOURS CUT BLVD, LAPORTE, TX 77571			

ORIGINAL DELIVERY ORDER

INLAND FREIGHT

PREPAID / COLLECT
PrePaid

DOC. No. : 780412-00001

Received in Good Order
By:

ZIMMER WORLDWIDE LOGISTICS, INC FMC: 019647F
15710 JFK BLVD., SUITE 575
HOUSTON,TX 77032-2350
PER: ph: 8323005904 fax: 8322017479
NANCY LABROZZI

Liability, including negligence is limited to the sum of $50.00 per shipment, unless a greater valuation shall be paid for or agreed to be paid in writing prior to shipping.

DELIVERY CLERK: DELIVER TO CARRIER SHOWN ABOVE

IMPORTANT: NOTIFY US AT ONCE IF DELIVERY CANNOT BE EFFECTED AS INSTRUCTED.

Delivery Order

BARBOURS CUT TERMINAL
1819 E BARBOURS CUT BLVD
LAPORTE,TX 77571

DATE	OUR REF. NO.
1/13/2009	000780412

THE MERCHANDISE DESCRIBED BELOW WILL BE ENTERED AND FORWARDED AS FOLLOWS:

IMPORTING CARRIER	LOCATION	FROM PORT OF ORIGIN AIRPORT
VERACRUZ EXPRESS (HOYU)	S787-BARBOURS CUT TERMINAL	

BL OR AWB NO.	ARRIVAL DATE	FREE TIME EXP.	LOCAL DELIVERY OR TRANSFER BY (DELIVERY ORDER ISSUED TO)
HLCUIS1081100211	12/23/2008		CUSTOMER PICKUP - CES

DELIVER TO▲	HAWB NO.	ENTRY NO.	CUST. REF. NO.
		BZC-0780412-9	000780412

FOR DELIVERY TO	ROUTE
CES ENVIRONMENTAL SERVICES, INC. 4904 GRIGGS ROAD HOUSTON,TX 77021 Jennifer Rust ph:713 800-7913	

NO. OF PKGS.	DESCRIPTION OF ARTICLES, SPECIAL MARKS & EXCEPTIONS	WEIGHT	DO NOT USE
	FLAMMABLE LIQUID NOS CLASS 3, UN 1993 PKG II EMERGENCY PHONE NUMBER 713 676-1460		
	S787-1819 E BARBOURS CUT BLVD, LAPORTE, TX 77571		

ORIGINAL DELIVERY ORDER

INLAND FREIGHT

PREPAID / COLLECT
PrePaid

DOC. No. : 780412-00001

Received in Good Order
By:

ZIMMER WORLDWIDE LOGISTICS, INC FMC: 019647F
15710 JFK BLVD., SUITE 575
HOUSTON,TX 77032-2350
PER: ph: 8323005904 fax: 8322017479
NANCY LABROZZI

Liability, including negligence is limited to the sum of $50.00 per shipment, unless a greater valuation shall be paid for or agreed to be paid in writing prior to shipping.

DELIVERY CLERK: DELIVER TO CARRIER SHOWN ABOVE

IMPORTANT: NOTIFY US AT ONCE IF DELIVERY CANNOT BE EFFECTED AS INSTRUCTED.

Jennifer Rust

From: Zenaida Bondoc [Zenaida.Bondoc@Hoyer-Global.com]
Sent: Monday, January 19, 2009 9:46 AM
To: Jennifer Rust
Cc: nlabrozzi@zimmerworldwide.com; Knut Scharning
Subject: RE: Kosovo Iso Containers
Attachments: image001.jpg

As of today $950.00 per tank
Charge From: 25 Dec 2008 To: 19 Jan 2009 [7 Free Day(s)]

Please return empty tanks as soon as possible and pay the above tank lease.

Thanks a lot

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
2100 Space Park Dr.
Suite 200
Houston, Texas 77058
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**

$50 / Day / Tank

Save a tree. Don't print this e-mail unless it's really necessary.

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Monday, January 19, 2009 9:26 AM
To: Zenaida Bondoc
Cc: (nlabrozzi@zimmerworldwide.com); Knut Scharning
Subject: FW: Kosovo Iso Containers
Importance: High

Please supply the information below at your earliest convenience. I also need to know the daily rental for the iso containers.

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Jennifer Rust
Sent: Thursday, January 15, 2009 5:49 PM

Jennifer Rust

From: Nancy LaBrozzi [nlabrozzi@zimmerworldwide.com]
Sent: Tuesday, January 13, 2009 12:36 PM
To: Jennifer Rust
Subject: FW: Kosovo Iso Containers
Attachments: image001.jpg; image003.jpg; DO 780412.pdf

Barbours Cut
515 East Barbours Cut Blvd
La Porte, TX 77571
800 877-5123
8am-5pm

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Nancy LaBrozzi [mailto:nlabrozzi@zimmerworldwide.com]
Sent: Tuesday, January 13, 2009 10:08 AM
To: 'Jennifer Rust'
Subject: RE: Kosovo Iso Containers

Here is the DO. When you make payment to Hapag Lloyd you need to reference the BL# HLCUIS1081100211.

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837

BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

ORIGINAL

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID
THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS SUBJECT TO CORRECTION	PREPAID	COLLECT
TOTAL PREPAID		
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise stated above, one of which being accomplished the others shall be void.

DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI # 13078N

20081289	September	14	2008
B/L NO.	MO	DAY	YEAR

EPAHO088002344

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837
BILL OF LADING NO. 20081289
EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

ORIGINAL

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID
THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS SUBJECT TO CORRECTION	PREPAID	COLLECT
TOTAL PREPAID		
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise stated above, one of which being accomplished the others shall be void.

DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI # 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002345

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837
BILL OF LADING NO. 20081289
EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

ORIGINAL

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID

THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS SUBJECT TO CORRECTION

	PREPAID	COLLECT
TOTAL PREPAID		
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise stated above, one of which being accomplished the others shall be void.

By DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI # 13078N

20081289	September	14	2008
B/L NO.	MO	DAY	YEAR

EPAHO088002346

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837

BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID

THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
TOTAL PREPAID		
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise sta above, one of which being accomplished the others shall be void.

DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002347

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837

BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID
THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
TOTAL PREPAID		
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise sta above, one of which being accomplished the others shall be void.

DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002348

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837

BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID
THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
TOTAL PREPAID		
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise sta above, one of which being accomplished the others shall be void.

DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002349

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837

BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID

THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
TOTAL PREPAID		
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise sta above, one of which being accomplished the others shall be void.

DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002350

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837

BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID
THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
TOTAL PREPAID		
TOTAL COLLECT		

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IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise sta above, one of which being accomplished the others shall be void.

DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002351

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837

BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID
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FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
OCEAN FRT	2875.00	
SO SURCHGE	800.00	
TOTAL PREPAID	$3,675.00	
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

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DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002352

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837

BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

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FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
OCEAN FRT	2875.00	
SO SURCHGE	800.00	
TOTAL PREPAID	$3,675.00	
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

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DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002353

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837
BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY, CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC ALESSIA 569R

PORT OF LOADING
HOUSTON, TX, US

NON-NEGOTIABLE

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219 ON BOARD:9/14/2008	2500.00K 5512.00L	

FREIGHT PREPAID

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FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
OCEAN FRT	2875.00	
SO SURCHGE	800.00	
TOTAL PREPAID	$3,675.00	
TOTAL COLLECT		

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DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

By JENNA TURNER

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI# 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

EPAHO088002354

Hapag-Lloyd (America) Inc.
399 Hoes Lane
Piscataway, New Jersey 08854

Hapag-Lloyd

ORIGINAL

Hapag-Lloyd (America) Inc. - 399 Hoes Lane - Piscataway - New Jersey 08854, USA

CES ENVIRONMENTAL SERVICES INC
4904 GRIGGS ROAD
HOUSTON, TX 77021
USA

ISSUING AGENT:
HAPAG-LLOYD (AMERICA) INC.
11410 GREENS CROSSING
USA-77067 HOUSTON
TEL.: US(866)8811374
FAX.: US(281)8857033

I N V O I C E NO.: 30925175 DEC. 23, 2008

CUSTOMER : 51398462

SHIPMENT 31790224 FCL/FCL
VERACRUZ EXPRESS 72W37/27411 SAILING NOV. 26, 2008
ARRIVAL DEC. 23, 2008

FROM ISTANBUL TO HOUSTON, TX

3 Cont. 20'X8'6" TANK CONTAINER
HGTU 9400058 HOTU 1615035 HOTU 2411611

WHARFAGE DEST.	54.53 CTR	3	USD	163.59
	TOTAL PAYABLE		USD	163.59

B/L-NO.: HLCUIS1081100211

PLEASE NOTE THAT INVOICE IS DUE & PAYABLE UPON RECEIPT.
ANY DISPUTES MUST BE ADDRESSED WITHIN 90 DAYS OF ISSUE DATE

FOR EXPORTS ONLY PLEASE RETURN THIS INVOICE WITH YOUR REMITTANCE TO:

```
**************************************************
* HAPAG-LLOYD (AMERICA) INC.                     *
* 140 CHARLES W. GRANT PARKWAY, FLOOR 1          *
* LOCKBOX 532405                                 *
* ATLANTA, GA 30354                              *
* PLEASE ADVISE OF ANY DISCREPANCIES NOTED       *
**************************************************
```

FOR IMPORTS ONLY PLEASE RETURN THIS INVOICE WITH YOUR REMITTANCE TO:

```
********************************
* HAPAG-LLOYD (AMERICA) INC.   *
* 11410 GREENS CROSSING BLVD   *
* SUITE# 400                   *
```

POSTED 1-13-09

All transports carried out by the Hapag-Lloyd AG are subject to its General Conditions of Transport (which are available on request) provided that the services are not covered by Bill of Lading or Sea Waybill.

This invoice is issued on behalf of Hapag-Lloyd AG
Ballindamm 25 - D-20095 Hamburg

CES Environmental Services, Inc.

TSCA STATEMENT

I CERTIFY THAT ALL CHEMICAL SUBSTANCES IN THIS SHIPMENT (CHECK ONE):

DISULFIDE OIL – 53.22 MT

✠✠ DOES COMPLY WITH ALL APPLICABLE RULES OR ORDERS UNDER THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND THAT I AM NOT OFFERING A CHEMICAL SUBSTANCE FOR ENTRY INTO THE UNITED STATES IN VIOLATION OF TSCA OR ANY APPLICABLE RULE OR ORDER UNDER TSCA.

☐ ARE NOT SUBJECT TO THE TOXIC SUBSTANCES CONTROL ACT (TSCA).

PLEASE CONTACT THE UNDERSIGNED IF FURTHER INFORMATION IS REQUIRED.

SIGNATURE: _____
NAME: Matt Bowman
TITLE: President
COMPANY: CES Environmental Services, Inc.
DATE: 01/07/2009

Jennifer Rust

From: Nancy LaBrozzi [nlabrozzi@zimmerworldwide.com]
Sent: Tuesday, January 06, 2009 2:36 PM
To: Jennifer Rust
Cc: Greg Bowman
Subject: RE:
Attachments: image001.jpg; RE: Performa Invoice for Kosovo disulfide oil ; FW: Performa Invoice for Kosovo disulfide oil ; RE: Order no. 172864/865/866 = 3 tanks DISULFIDE OIL SOLUTIONS / CES

I've sent emails to Ramiz and Greg. Please see attached. I need the complete HTS#, TSCA, BBL amount and Hoyer needs the OBL which I never received.

Thanks,

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Jennifer Rust [mailto:jrust@cesenvironmental.com]
Sent: Tuesday, January 06, 2009 2:39 PM
To: Nancy LaBrozzi
Cc: Greg Bowman
Subject: FW:

Are you working on this?

Thank You!

Jennifer Rust

Direct: 713-800-7913
Cell: 713-367-8581

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 06, 2009 2:36 PM
To: Jennifer Rust
Subject: RE:

Your customs broker is clearing them.... The carrier is looking for the original Hapag Lloyd bill of lading which were sent to CES by Kontinental Freights...Please double check in your side if you have them.. as I have already check with our overseas office and I was advised that they couriered same to CES.

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
Phone: 281-853-1000
Direct: 281-853-1079

demurrage charges

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 13, 2009 12:03 PM
To: Milling, Sue; Mustafa Cetinyol; Nancy LaBrozzi
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Hi Sue,
I don't think we were advise on this, I have check all the email correspondence. I was advised by Hapag Import that they cannot give me further details because Hoyer is not a part of the carrier bill of lading so we don't even have a copy of the bill of lading.

Kind Regards,
Zenaida M. Bondoc
Imports Supervisor
Hoyer Global (USA), Inc.
Phone: 281-853-1000
Direct: 281-853-1079
Mobile: 832-277-6339
Email: **zenaida.bondoc@hoyer-global.com**
P **Save a tree. Don't print this e-mail unless it's really necessary.**
Please take note of our New Address:
2100 Space Park Dr.
Suite 200
Houston, Texas 77058

Hapag Lloyd
163.59
+
2 checks

From: Milling, Sue [mailto:Sue.Milling@hlag.com]
Sent: Tuesday, January 13, 2009 11:59 AM
To: Zenaida Bondoc; Mustafa Cetinyol; Nancy LaBrozzi
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

Yes, believe I have told you this ** and now containers are in demurrage ** LDF: 01/05/2009
****whf: $163.59**
****Dmd rate: $200 per day = $1600 x 3 ctrs = $4800 ** this is calculated thru today 13th.**

800
560
480
400
480
60
540
5200

Thank you and
Best Regards,
Sue Milling
Hapag Lloyd Import Dept.
11410 Greens Crossing Blvd., Suite 400,
Houston, Texas 77067
ph: 866-881-1374

From: Zenaida Bondoc [mailto:Zenaida.Bondoc@Hoyer-Global.com]
Sent: Tuesday, January 13, 2009 11:54 AM
To: Milling, Sue; Mustafa Cetinyol; Nancy LaBrozzi
Cc: Schelsteder, Irma; LaPicola, Sheila; Dominguez, Elia; Brewton, Mary
Subject: RE: HOLDING INSTRUCTION FOR HAPAG BL HLCUIS1081100211 VERACRUZ

POSTED
JAN 13 2009

REPUBLIKA E KOSOVËS/REPUBLIKA KOSOVA/ REPUBLIC OF KOSOVA

QEVERIA E KOSOVËS / VLADA KOSOVA /GOVERNMENT OF KOSOVA

MINISTRIA E MJEDISIT DHE PLANIFIKIMIT HAPËSINOR
MINISTARSTVO SREDINE I PROSTORNOG PLANIRANJA
MINISTRY OF ENVIRONMENT AND SPATIAL PLANNING

Zyra e Sekretarit të Përhershëm | Office of the Permanent Secretary | Kancelarija Stalnog Sekretara

DATË/A:	17.10.2008
REFERENC-Ë:	08/2265/1-ZSP- 1862
PËR/ZA/TO:	CES Eivironmental Services Inc - Grigs Roud Houston- USA
CC:	A.D. "Asllan and Sons" Mitrovicë
PËRMES/PREKO/THROUGH:	
NGA/OD/FROM:	Ministria e Mjedisit dhe Planifikimit Hapësinor
TEMA/SUBJEKAT/SUBJECT:	Leje për eksportimin e vajrave të mesme (vaj disulfurik)

REPUBLIKA E KOSOVËS - QEVERIA E KOSOVËS - MINISTRIA E MJEDISIT DHE PLANIFIKIMIT HAPËSINOR - MINISTARSTVO SREDINE I PROSTORNOG PLANIRANJA - MINISTRY OF ENVIRONMENT AND SPATIAL PLANNING - VLADA KOSOVA - REPUBLIKA KOSOVA - REPUBLIC OF KOSOVO

1

EPAHO088002359

REPUBLIKA E KOSOVËS/REPUBLIKA KOSOVA/ REPUBLIC OF KOSOVA

QEVERIA E KOSOVËS / VLADA KOSOVA /GOVERNMENT OF KOSOVA

MINISTRIA E MJEDISIT DHE PLANIFIKIMIT HAPËSINOR
MINISTARSTVO SREDINE I PROSTORNOG PLANIRANJA
MINISTRY OF ENVIRONMENT AND SPATIAL PLANNING

Zyra e Sekretarit të Përhershëm | Office of the Permanent Secretary | Kancelarija Stalnog Sekretara

Në bazë të nenit 13. paragrafit 2, të Ligjit për Mbrojtjen e Mjedisit (Rregullore e UNMIK-ut nr.2003/9), nenit 2. dhe 3. të Udhëzimit Administrativ Nr.4/2005, Për Klasifikimin e Mallërave në Forma të Eksportit Importit dhe nenit 90. të LPA (Nr.02/L-28), Ministria e Mjedisit dhe Planifikimit Hapësinor, bie këtë:

LEJE PËR EKSPORTIMIN
Të materieve kimike - vajrat të mesme (vaj disulfurik)

APROVOHET kërkesa e Kompanisë "CES Eivironmental Services Inc" me adresë 4904 Grigs Roud Houston-USA në cilësi të kryerjes së Shërbimeve, për eksportimin të materieve kimike - vajrat të mesme (vaj disulfurik) – për të përshkruar një proces me kodin tarifor: 27101911,e cila bazohet në kërkesën e kompanisë dhe dokumentacionin e prezantuar.

Leja lëshohet për eksportimin nga Kosova në SHBA, vajrat të mesme (vaj disulfurik) për të përshkruar një proces me kodin tarifor: **2710 1911**.
Sasia e vajrat si lëndë djegëse që eksportohen është 1x 20.100 kg, 1x 18.120 kg, 1x 15.000 kg që rezulton me sasinë e përgjithshme prej 53,220 kg.

Ministria e Mjedisit dhe Planifikimit Hapësinor
08/2265/1-ZSP- 1862, datë: 17.10.2008
Prishtinë

T'i dërgohet:
1. Parashtruesit të kërkesës
2. Kabinetit t ministrit
3. Inspektoratit
4. Arkivit të MMPH-së
5. A.D. "Asllan and Sons" Mitrovicë

u.d. Sekretari i Përhershëm
Ismail Rudari

EPAHO088002360

Republika e Kosovës
Republika Kosova-Republic of Kosovo
Qeveria - Vlada - Government

Nr. 07/27
Datë: 16.07.2008

Në mbështetje të nenit 92 pika 4, dhe nenit 93 pika 4, të Kushtetutës të Republikës së Kosovës, si dhe të nenit 4, pika 3 të Rregullores së Punës së Qeverisë së Kosovës nr. 01/2007, Qeveria e Republikës së Kosovës, në mbledhjen e mbajtur më 16 korrik 2008, mori

V E N D I M

1. Të përshpejtohet procedura për asgjësimin e materieve të rrezikshme të vendosura në maune në rajonin e Mitrovicës, duke respektuar të gjitha procedurat e parapara ligjore.

2. Për zbatimin e këtij vendimi ngarkohen Ministria e Mjedisit dhe Planifikimit Hapësinor, Ministria e Tregtisë dhe Industrisë dhe Ministria e Punëve të Brendshme.

3. Vendimi hyn në fuqi ditën e nënshkrimit.

Hashim THAÇI
Kryeministër i Kosovës

Iu dërgohet:
- të gjitha ministrive (ministrave)
- Sekretarit të Përhershëm të ZKM-ës
- Arkivit të Qeverisë

EPAHO088002361

UNMIK CUSTOMS SERVICE
SHËRBIMI DOGANOR I UNMIK-ut
CARINSKA SLUŽBA UNMIK-a

UNMIK

Police and Justice (UN) | Civil Administration (UN) | OSCE Institution Building (OSCE) | Economic Reconstruction (EU)

Drejtori Gjeneral i Shërbimi Doganor UNMIK – ut, duke vepruar sipas kërkesës se Qeverise së Kosovës për anulimin e Aktvendimit të Shërbimit Doganor te UNMIK – ut 01/426 të datës 30/05/2008, sjell këtë:

DREJTORIA E SHËRBIMIT DOGANOR
UPRAVA CARINSKE SLUŽBE
PRISHTINË - PRIŠTINA

Pranuar: Primljeno: 06. 06. 08			
Nj.Org. Org.jed.	Numër: Broj:	Shtojcë: Prilog:	Vlera: Vrednost:
01	246		1

A k t v e n d i m

ANULOHET aktvendimi me nr. 01/426 te datës 30/05/2008 i Shërbimit Doganor të UNMIK – ut.

LEJOHET hyrja e mallit në vendin tonë të 3 (tri) maunave me Vaj Hidraulik të cilat nën mbikëqyrjen e Shërbimit Policor të Kosovës dhe Shërbimit Doganor të UNMIK – ut, të vendosen në Kompleksin Industrial Trepça - Fafos Mitrovice.

A r s y e t i m

Me datën 06/06/2008 Zyra e Shefit te kabinetit të Kryeministrit te Kosovës, e ka njoftuar Drejtorin Gjeneral te Shërbimit Doganor te UNMIK – ut, qe me qellim te normalizimit te gjendjes ne vendkalimin doganore te Hanit Elezit dhe shmangies nga rreziku i mundshëm, malli duhet te lejohet te futet ne Territorin e Kosovës dhe te vendoset ne Kompleksin Industrial Trepca Fafos Mitrovice, për këtë arsye Drejtori Gjeneral i Shërbimit Doganor te UNMIK – ut, vendos si ne piken e pare dhe te dyte te diapozitivit te këtij aktvendimi.

Ky vendim hynë ne fuqi me datën 06/06/2008.

Drejtori Gjeneral i SHDU – se
Naim Huruglica

SHËRBIMI DOGANOR • CARINSKA SLUŽBA • UNITED NATIONS INTERIM ADMINISTRATION MISSION IN KOSOVO • CUSTOMS SERVICE
PRISHTINË
UNMIK
PRIŠTINA
③

Kopja: Zyrës private
Zyres doganore Hani Elezit

Custom House, Bul. Bill Clinton, 10.000 Prishtina, Kosova.
Tel & Fax (++ 381 38) 540 350 /540 836
HQ@unmikcustoms.org

EPAHO088002362

Republika e Kosovës
Republika Kosova-Republic of Kosovo
Qeveria -Vlada-Government

Ministria e Mjedisit dhe Planifikimit Hapesinor
Ministarstvo Sredine i Prostornog Planiranja
Ministry of Environment and Spatial Planning

To: **CES Environmental Services, Inc**
4904 Griggs Rd.
Houston, TX. 77021
USA

FATURA/INVOICE

Artikull Nr. Item No.	Pershkrimi Description	Sasia Bruto QuantityGrs	Sasia Neto Quantity Nett	ISO TC Nr. ISO TC. No	Cmimi total (EUR) Total Price (EUR)
1	DIISULFIDE OIL, Price per ton is 500Eur Customs Tariffi 2710191 1	23.920,00	20.100,00	HOTU 241161-1	10.050,00
2	DIISULFIDE OIL, Price per ton is 500Eur Customs Tariffi 2710191 1	18.820,00	15.000,00	HOTU 940005-8	7.500,00
3	DIISULFIDE OIL, Price per ton is 500Eur Customs Tariffi 2710191 1	21.940,00	18.120.00	HOTU 161503-5	10.970,00

Total..... 28.520,00

EPAHO088002363

Proforma Invoice

Shipper
Republika e kosoves
Qeveria-Vlada-Government
Need complete address

Date: 11/12/2008
Inv. Number:

INCOTerms: FOB
POL: ??
POE: Houston, TX
Carrier: ??
Vessel: ??

Consignee
CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

BL: ??

Qty/MT	Weight	Description	EUR Unit Price	EUR Total
23920kg	23920kg	Disulphide Oil	500/T	10,050.00
15000kg	15000kg	Disulphide Oil	500/T	7500.00
18120kg	18120kg	Disulphide Oil	500/T	10,970.00

HTS# ??

Country of Origin: Kosovo

Subtotal:	28,520.00
Tax:	$0.00
Total	28,520.00

CES Environmental

CES Environmental Services, Inc.

TSCA STATEMENT

I CERTIFY THAT ALL CHEMICAL SUBSTANCES IN THIS SHIPMENT (CHECK ONE):

Disulfide Oil, 64.68 MT

☒ DOES COMPLY WITH ALL APPLICABLE RULES OR ORDERS UNDER THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND THAT I AM NOT OFFERING A CHEMICAL SUBSTANCE FOR ENTRY INTO THE UNITED STATES IN VIOLATION OF TSCA OR ANY APPLICABLE RULE OR ORDER UNDER TSCA.

☐ ARE NOT SUBJECT TO THE TOXIC SUBSTANCES CONTROL ACT (TSCA).

PLEASE CONTACT THE UNDERSIGNED IF FURTHER INFORMATION IS REQUIRED.

SIGNATURE: _____
NAME: Greg Bowman
TITLE: VP Finance + Admin
COMPANY: CES Environmental
DATE: 1/6/09

EPAHO088002366

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
2710 (con.)		Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by weight 70 percent or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations; waste oils (con.):				
		Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by weight 70 percent or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations, other than waste oils (con.):				
2710.19		Other:				
		Distillate and residual fuel oils (including blended fuel oils):				
2710.19.05		Testing under 25 degrees A.P.I		5.25¢/bbl 1/	Free (A+,AU,BH, CA,CL,D,IL,J+,JO, MA,MX,P, R,SG)	21¢/bbl
		Having a Saybolt Universal viscosity at 37.8°C of 45 seconds or more but not more than 125 seconds (No. 4-type fuel oils):				
	05	Containing not more than 500 ppm of sulfur	bbl			
	15	Containing more than 500 ppm of sulfur	bbl			
		Having a Saybolt Universal viscosity at 37.8°C of more than 125 seconds (heavy fuel oils):				
	25	Fuel oil No. 5	bbl			
	30	Fuel oil No. 6	bbl			
	35	Other	bbl			
	50	Other	bbl			

37 API

1.05 ¢/gal

10.13

2710.19.05.15

1/ See subheading 9903.27.01.

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
2710 (con.)		Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by weight 70 percent or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations; waste oils (con.):				
		Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by weight 70 percent or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations, other than waste oils (con.):				
2710.19 (con.)		Other (con.):				
		Distillate and residual fuel oils (including blended fuel oils) (con.):				
2710.19.10 (con.)		Testing 25 degrees A.P.I. or more (con.)				
		Having a Saybolt Universal viscosity at 37.8°C of less than 45 seconds (light fuel oils) (con.):				
		Other:				
	11	Containing not more than 15 ppm of sulfur	bbl			
	13	Containing more than 15 ppm but not more than 500 ppm of sulfur	bbl			
	14	Containing more than 500 ppm of sulfur	bbl			
		Having a Saybolt Universal viscosity at 37.8°C of 45 seconds or more but not more than 125 seconds (No. 4-type fuel oils):				
	15	Containing not more than 500 ppm of sulfur	bbl			
	25	Containing more than 500 ppm of sulfur	bbl			
	50	Having a Saybolt Universal viscosity at 37.8°C of more than 125 seconds (heavy fuel oils)	bbl			
2710.19.15	00	Kerosene-type jet fuel	bbl	52.5¢/bbl 1/	Free (A+,AU,BH, CA,CL,D,IL,J+,JO, MA,MX,P, R,SG) 1/	$1.05/bbl 1/
		Kerosene (except kerosene-type jet fuel):				
2710.19.21	00	Motor fuel	bbl	52.5¢/bbl 1/	Free (A+,AU,BH, CA,CL,D,IL,J+,JO, MA,MX,P, R,SG) 1/	$1.05/bbl 1/
2710.19.22	00	Motor fuel blending stock	bbl	52.5¢/bbl 1/	Free (A+,AU,BH, CA,CL,D,IL,J+,JO, MA,MX,P, R,SG) 1/	$1.05/bbl 1/
2710.19.23	00	Kerosene (except motor fuel or motor fuel blending stock)	bbl	10.5¢/bbl	Free (A+,AU,BH, CA,CL,D,IL,J+,JO, MA,MX,P, R,SG)	21¢/bbl

1/ See headings 9901.00.50 and 9901.00.52.

Heading/ Subheading	Stat. Suf-fix	Article Description	Unit of Quantity	Rates of Duty 1 General	Rates of Duty 1 Special	Rates of Duty 2
2710 (con.)		Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by weight 70 percent or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations; waste oils (con.):				
		Petroleum oils and oils obtained from bituminous minerals, other than crude; preparations not elsewhere specified or included, containing by weight 70 percent or more of petroleum oils or of oils obtained from bituminous minerals, these oils being the basic constituents of the preparations, other than waste oils (con.):				
2710.19 (con.)		Other (con.):				
		Distillate and residual fuel oils (including blended fuel oils) (con.):				
2710.19.10		Testing 25 degrees A.P.I. or more	.....	10.5¢/bbl 1/	Free (A+,AU,BH, CA,CL,D,IL,J+,JO, MX,P,R,SG) 6.9¢/bbl (MA)	21¢/bbl
		Having a Saybolt Universal viscosity at 37.8°C of less than 45 seconds (light fuel oils):				
		Fuel oils Nos. 2 and 3:				
		Diesel oil:				
	02	Containing not more than 15 ppm of sulfur	bbl			
	03	Containing more than 15 ppm but not more than 500 ppm of sulfur	bbl			
	04	Containing more than 500 ppm of sulfur	bbl			
		Other:				
	05	Containing not more than 15 ppm of sulfur	bbl			
	07	Containing more than 15 ppm but not more than 500 ppm of sulfur	bbl			
	08	Containing more than 500 ppm of sulfur	bbl			

1/ See subheading 9903.27.01.

EPAHO088002369

Sheshi "Nëna Terezë", nr.33, 10000 Prishtinë, Republika e Kosovës
Tel: +381 38 225 385; Fax: +381 38 225 384
e-mail: info@insurancedukagjini.com; web: www.insurancedukagjini.com

Nr. i biznesit: **70152892**
Nr. ident.i TVSH-së: **2009747**

Blerësi:	**CES ENVIRONMENTAL SERVICES INC.**
Vendi:	**TEXAS - SH.B.A.**
Nr. i biznesit:	**EPA - TXD008950461**

Filiali:	**PRISHTINË**
Agjenti / Shifra:	**Zyrja ne Prishtinë - Z0002**

Fatura nr. **03997**

Data: **02.10.2008**

Nr.	Lloji	Nr.policës	Përshkrimi	Targat	Nr.i Shasisë	Vl. pa TVSH
1	11	1000	GARANCION KONTRATE			186.20
					Vlera pa TVSH:	**186.20**
					TVSH (15 %) :	**27.93**
					Për pagesë [€] :	**214.13**

LLojet e sigurimeve
11 - Sigurimi i Garancionit të Kontratës

(dy qind e katërmbëdhjetë, e trembëdhjetë të qindtat Euro)

Pagesën mund ta bëni në këto llogari:
RAIFFEISEN BANK: 1501001004399139
BANKA EKOMOMIKE: 1403000002317894
NLB PRISHTINA: 1700200000010148
PROCREDIT BANK: 1110175807000182
Për kryerjen e pagesës suaj paraprakisht ju falenderojmë.

Faturoi
(emri dhe nënshkrimi i agjentit)

SHA "KOMPANIA E SIGURIMEVE TË PËRGJITHSHME PRISHTINË" duk agjini INSURANCE COMPANY

Drejtori i filialit ose Drejtori i marrjes në sigurim
(emri dhe nënshkrimi)

duk gjini
kompania e sigurimeve insurance company

Kompania e Sigurimeve Dukagjini
Sheshi Nëna Terezë Nr.33, 10000 Prishtinë, Kosovë
Tel: + 381 (0)38 225-385; 225-386; Fax: + 381 (0)38 225-384
E-mail:info@insurancedukagjini.com,www.insurancedukagjini.com
Member of SAVA-RE Group
ALEAT PËR TËRË JETËN!

ÇERTIFIKATË SIGURIMI PËR GARANCINË E KONTRATAVE
PERFORMANCE BOND POLICY

Nr.i policës / Policy No:1000

Garantuesi/Warrantor:	Kompania e Sigurimeve Dukagjini sh.a. Prishtinë,
Adresa / Address:	Bulevardi "Deshmorët e Kombit" Nr/No.67 - Prishtinë
Banka e garantuesit dhe xhirollogaria likuiduese: Warrantors Bank and account	NLB Prishtina – Prishtinë
Nr. i xhirollogarisë: / Account No:	1700200000010148
Kontraktuesi / Contractor:	**CES Environmental Services, Inc.**
Numri i regjistrimit të biznesit Business Registration Number :	EPA Identification Number: TXD008950461
Adresa / Address:	4904 Griggs RD - Houston, TX 77021 - U.S.A.
Përfaqësuar nga/Represented by	Z. Ramiz Tafilaj

Përshkrimi i aktivitetit/Kontratës që është objekt i Kontratës së Garancisë
Discription of the activity / Contract – the subject matter of the performance bond

Kontratë për "Transportimin e materieve të rrezikshme nga tri maune"

Numri i referencës /ReferenceNumber :		**210 / 08 / 031 / 214**			
Përfituesi / Beneficiary:		Ministria e Mjedisit dhe Planifikimit Hapësinor			
Adresa / Address:		10 000, Prishtinë			
Shuma e Garantuar: Guaranteed Sum:		**9,500.00** € / (Nëntëmijë e pesëqind euro)			
Periudha e garancisë: Period of Guarantee:		**prej** from	10.10.2008	**deri më** until	09.11.2008
PRIMI/Premium	186.20 €	**TVSH** /VAT	27.93 €	**TOTALI:**	**214.13 €**

Çertifikata e garancisë është e vlefshme kur bashkëlidhur me të gjendet kontrata e garancisë e cila përmban kushtet e sigurimit të garancisë dhe që së bashku me pyetësorin e marrjes në sigurim janë pjesë përbërëse e çertifikatës së garancisë. GARANTUESI, KOMPANIA E SIGURIMEVE DUKAGJINI –Prishtinë merr përsipër që në rast se kontraktuesi nuk u përgjigjet detyrimeve të tij kundrejt PËRFITUESIT të shumës së garantuar të plotësojë detyrimetderi në shumën e garantuar siq përcaktohet në këtë çertifikatë dhe në kushtet e kontratës mbi bazën e të cilës lëshohet kjo çertifikatë Garancie.Garantuesit, me përmbushjen e detyrimeve të Kontraktuesit ndaj Përfituesit të garancisë, i lind e drejta që të veprojë kundrejt kontraktuesit (cedimi i së drejtës) në të njëjtën mënyrë siq do të kishte vepruar përfituesi i garancisë në rastin kur kjo ÇERTIFIKATË GARANCIE nuk do të ishte lëshuar.

Performance bond certificate is valid when attached to it is the Warranty Contract which contains general conditions of the performance bond , so that together with the proposal form composes structural part of the performance bond certificate. Warrantor - "Dukagjini" Insurance Company, Prishtine, guarantees that in case if contractor will not respond to his duties and responsibilities towards the Beneficiary of the guaranteed sum to fulfill those duties up to the guaranteed sum as specified in this certificate and in the general conditions of the contract, based upon the General Conditions for the issuance of this certificate of warranty. With the fulfillment of the duties of the Contractor towards the Beneficiary of this warranty, Warrantor has the right to act towards contractor in the same manner as the beneficiary of the warranty would act in case that this Performance Bond Certificate wouldn't be issued.

Kjo policë u lëshua në : Prishtinë This policy is issued in:

Datë: 02.10.2008 Date:

Garantuesi/Warrantor:

SHA. KOMPANIA E SIGURIMEVE TË PËRGJITHSHME PRISHTINË duk gjini J.S. GENERAL INSURANCE COMPANY

(Emri,mbiemri, nënshkrimi, vula)

EPAHO088002371

Kompania e Sigurimeve Dukagjini
Sheshi Nëna Terezë Nr.33, 10000 Prishtinë, Kosovë
Tel: + 381 (0)38 225-385; 225-386; Fax: + 381 (0)38 225-384
E-mail:info@insurancedukagjini.com,www.insurancedukagjini.com
Member of SAVA-RE Group
ALEAT PËR TËRË JETËN!

KUSHTET E PERGJITHSHME TE KONTRATES SE SIGURIMIT
TE GARANCIVE TE KONTRATAVE

GARANCIA Nr: 1000

E lidhur ne Prishtinë, sot me date 02/10/2008 ndermjet:

GARANTUESIT: KOMPANIA E SIGURIMEVE "DUKAGJINI" sh.a.- Prishtinë dhe
KONTRAKTUESIT: (te Garantuarit): **"CES Environmental Services, Inc. "**
përfaqësuar nga Z. Ramiz Tafilaj i detyre Drejtor për garantimin e interesave të

PERFITUESIT: Ministria e Mjedisit dhe Planifikimit Hapësinor - Qeveria e Kosovës

TE DREJTAT DHE DETYRIMET E PALËVE

1.Kjo kontrate garancie e lidhur midis Garantuesit dhe Kontraktuesit, i siguron Perfituesit, ne kushtet kur Kontraktuesi nuk ploteson detyrimet e tij kontraktuale kundrejt Perfituesit , plotesimin e detyrimeve te Kontraktuesit, detyrime keto qe i burojne Kontraktuesit nga kontrata me objekt:
Kontratë për "Transportimin e materieve të rrezikshme nga tri maune",
Nr. i identifikimit të kontratës: **210 / 08 / 031 / 214 ,**
për të cilën lidhet kjo KONTRATË GARANCIE

2.Me plotesimin e detyrimeve ndaj Perfituesit, Garantuesit (Kompania e Sigurimeve "Dukagjini") i lind e drejta qe t'i drejtohet Kontraktuesit, me te gjitha mjetet ligjore, per te bere rimbursimin e shpenzimeve te kryera ne funksion te plotesimit te detyrimeve ndaj Perfituesit (cedimi i te drejtave nga Perfituesi tek Garantuesi).

3.Siguruesi, ne cilesine e Garantuesit, dhe Kontraktuesi, me qellim te forcimit te besimit mbi shlyerjen e detyrimeve te Kontraktuesit, bien dakort per marrjen e disa masave te cilat paraqiten ne shtojcen ne fund te kesaj kontrate dhe qe eshte pjese e kesaj KONTRATË GARANCIE.

4.Garantuesi garanton Kontraktuesin ne favor te Perfituesit, me anen e kesaj kontrate garancie,per nje shume totale : **9,500.00** € / (Nëntëmijë e pesëqind euro)Per kerkesa dhe / ose vlefta mbi shumen e garantuar, te percaktuar ne kete kontrate, Kontraktuesi do te jete vete pergjegjes para Perfituesit.

5.Afati i vlefshmerise se kontrates se garancise do te jete deri me: **09.11.2008**

6.Gjate afatit te vlefshmerise te kesaj Kontrate Garancie Kontrate, per gdo pagese te kryer nga Kontraktuesi ne favor te Perfituesit ne ekzekutim te detyrimeve kontraktuale te Kontraktuesit ndaj Perfituesit, masa e gdo pagese te Kontraktuesit do te ule automatikisht detyrimin e Kontraktuesit nda Perfituesit, e per pasoje do te ulet automatikisht ne kete mase edhe shuma e garantuar.
Ne keto kushte, shuma monetare qe Garantuesi do te paguaj ne favor te Perfituesit, ne rast te mosplotesimit te detyrimeve kontraktore nga Kontraktuesi,per periudhen e mbetur pas kryerjes se pageses nga Kontraktuesi, do te ulet ne masen e pageses se bere nga Kontraktuesi ne favor te Perfituesit.

7.Garantuesi ofron sherbimin e garancise ndaj Kontraktuesit kundrejt pageses se çmimit te sigurimit - **TOTALI : 214.13 €** i cili eshte i pagueshem teresisht ne momentin e leshimit te Certificates se Garancise.

dukagjini
kompania e sigurimeve insurance company
Kompania e Sigurimeve Dukagjini
Sheshi Nëna Terezë Nr.33, 10000 Prishtinë, Kosovë
Tel: + 381 (0)38 225-385; 225-386; Fax: + 381 (0)38 225-384
E-mail:info@insurancedukagjini.com,www.insurancedukagjini.com
Member of SAVA-RE Group
ALEAT PËR TËRË JETËN!

8.Mbulimi ne sigurim fillon pas pagimit teresisht te cmimit te sigurimit te percaktuar si me lart. Ne rast se do te bihet dakort qe primi te paguhet me dy keste, atehere mbulimi ne sigurim fillon pas pagimit te 60 % te cmimit total te sigurimit.
Ne rast se Kontraktuesi nuk paguan cmimin e sigurimit ne afatin e percaktuar ne kete kontrate, atehere sigurimi i ofruar pezullohet deri ne oren 24:00 te dites qe kontraktuesi paguan cmimin e garancise qe detyrohet te paguaje (primi i sigurimit).
9.Me pezullim te te sigurimit kuptojme: Garantuesi nuk eshte pergjegjes ndaj Perfituesit per te paguar ne favor te tij shuma monetare deri ne kufirin e shumes se sigurimit (dhe as mbi ate kufi) , per shkelje te detyrimeve kontraktore te Kontraktuesit ndaj Perfituesit bazuar ne kontraten e lidhur midis Kontraktuesit dhe Perfituesit apo cdo akti tjeter ligjor apo nenligjor, deri ne evitimin e kushteve (pagimin e cmimit te sigurimit) qe cuan ne kete pezullim.

DISPOZITA TE PERGJITHSHME

10.Garantuesi do te paguaje ne favor te Perfituesit kur jemi ne kushtet e Kontrates se Garancise se Kontrates dhe Certifikates perkatese te Garancise, per jo me shume se shuma e garantuar e percaktuar ketu me siper si kufiri maksimal i pergjegjesise se Garantuesit.
11. Kontraktuesi eshte i detyruar t'i dorezoje Perfituesit kete Kontrate te Garancise se Kontrates dhe Certifikaten e Garancise se Kontrates perkatese, e cila eshte pjese perberese e kesaj kontrate.
12.Mbeshtetur ne kete Kontrate Garancie, Garantuesi merr persiper qe te plotesoje cdo detyrim kontraktor i cili eshte i garantuar nga kjo kontrate.
13.Certifikata e Garancise se Kontrates eshte e vlefshme vetem kur eshte e shoqeruar me Kontraten e Garancise se Kontrates mbi bazen e te ciles ajo eshte leshuar.
14.Ne rast se Perfituesi nuk e kundershton Kontraten e Garancise se Kontrates dhe Certifikaten perkatese te Garancise brenda 15 diteve nga data e nenshkrimit te Kontrates midis tij dhe Kontraktuesit, (kontrate kjo objekt I kesaj Kontrate Garancie Kontrate), atehere kjo Kontrate Garancie dhe Certifikata e Garancise se kontrates e leshuar ne baze te saj do te konsiderohen te pranuara nga Perfituesi dhe nuk mund te kundershtohen.
15.Efekti veprues i kesaj Kontrate Garancie, qe do te thote fillimi i detyrimit te Garantuesit sipas kesaj Kontrate, fillon mbas perfundimit te afatit te fundit te percaktuar ne marreveshjet *dhe/ose* kontratat e lidhura midis Kontraktuesit dhe Perfituesit qe sjellin detyrimet kontraktore per Kontraktuesin, qe do te thote se Perfituesi nuk mund te paraqese kerkesa ne zbatim te kesaj Kontrate kur Kontraktuesi eshte brenda afatit per permbushjen e detyrimeve te tij ndaj Perfituesit sipas dispozitave ne fuqi.
16.Perfituesi (pronari i kontrates) ka te drejte t'i drejtohet Garantuesit per marrjen e demshperblimit deri ne shumen e garantuar , vetem kur detyrimet kontraktuale nuk plotesohen per faj te Kontraktuesit/Ekzekutuesit te Kontrates (pra kur nuk eshte faji i Perfituesit/Pronarit te Kontrates). Me "Faj te Kontraktuesit" kuptohet Deshtimi i Kontraktuesit per te permbushur dhe realizuar detyrimet qe rrjedhin prej Kontrates se lidhur midis tij dhe Perfituesit.
Me "Faj te Perfituesit" kuptohet Deshtimi i Perfituesit (Pronarit te Kontrates) per te paguar Kontraktuesin sic percaktohet ne Kontrate, ose deshtimi i tij ne permbushjen e detyrimeve te tjera qe rrjedhin prej Kontrates se Ndertimit/Sherbimit.
17.Ne rast se nuk eshte Faji I Pertituesit, Detyrimi i Garantuersit do te lindi pasi Perfituesi ka njoftuar me shkrim Kontraktuesin dhe Garantuesin dhe ka mbajtur nje takim me ta me process verbal te rregullt jo me vane se 15 dite nga data e marrjes se njoftimit, takim i cili behet per te diskutuar mbi menyren e plotesimit te detyrimeve kontraktore.

Kompania e Sigurimeve Dukagjini
Sheshi Nëna Terezë Nr.33, 10000 Prishtinë, Kosovë
Tel: + 381 (0)38 225-385; 225-386; Fax: + 381 (0)38 225-384
E-mail:info@insurancedukagjini.com,www.insurancedukagjini.com
Member of SAVA-RE Group
ALEAT PËR TËRË JETËN!

Ne kushtet e lindjes se detyrimit te Garantuesit ky i fundit mund te zgjedhe nje nga opsionet:
(a) Garantuesi ben pagesen e demshperblimit ne favor te Perfituesit deri ne shumen e garantuar dhe ne kete rast Pertituesi vendos vete ne se Kontraten do ta vazhdoje me te njejtin Kontraktues apo do te zgjedhe nje Kontraktues tjeter;
(b) Garantuesi merr vete persiper perfundimin e detyrimeve Kontraktore (ne vlere deri ne shumen e garantuar) duke zgjedhur vete nje Kontraktues te Kualifikuar.
18.Perfituesi duhet ta paraqese kerkesen per demshperblim (kerkesen per ekzekutimin e garancise) te shoqeruar me dokumentet e meposhtme:
(a) Certifikaten origjinale te garancise ose fotokopjen e saj;
(b) Fotokopjen e shtojcave te polices (certificates) ne se ka te tilla;
(c) Fotokopjen e kontrates (se punimeve , te sherbimeve etj.) se lidhur midis perfituesit kontraktuesit dhe pertituesit;
(d) Fotokopje te vendimit te Gjykates (ne se ka te tille);
(e) Provat qe vertetojne humbjen(mosplotesimin e detyrimeve nga Kontraktuesi).
19.Barra e shpenzimeve per sigurimin e provave (ekspertizat elj.) qe vertetojne humbjen (mosplotesimin e detyrimeve te Kontraktuesit) bie mbi Perfituesin
20. Per zgjidhjen e mosmarreveshjeve qe mund te lindin midis Kontraktuesit dhe Perfituesit, palet mund te:
a. Percaktojne nje pale te trete (inxhinier, arkitekt, ekspert kontabel etj.) e cila do te leshoje nje Deklarate Noteriale, nepermjet se ciles vertetohet pergjegjesia per shkeljen e detyrimeve kontraktore. Nje kopje e kesaj deklarate do t'I jepet garantuesit.
b. Nese mosmarreveshjet nuk zgjidhen me ndermjetesimin e pales se trete si piken a, atehere palet i drejtohen. Gjykates se vendit ku ndodhen zyrat e Garantuesit per te percaktuar fajin.
21.Kontrata e Garancise mund te zgjidhet me kerkesen e seciles pale nenshkruese, duke bere njoftim paraprak me shkrim te pakten 5 (pese) dite perpara dhe me kusht qe nuk ka filluar perdorimi i shumes se garantuar. Me kete rast, Kontraktuesi detyrohet t'i dorezoje Garantuesit Certifikaten e Garancise.(Fakt i cili deshmon se Perfituesi ka dhene miratimin per anulimin e kontrates dhe certificates se garancise) Kur kontrata zgjidhet nga Kontraktuesi, Garantuesi mban shpenzimet e marrjes ne sigurim.ne masen 20 % te primit
22.Kushtet Nderkombetare te Kontratave te Garancise, dhe Legjislacioni Kosovar do te aplikohen per rastet qe nuk parashikohen me dispozitat e kesaj Kontrate Garancie.
23.Kushtet Nderkombetare te Kontratave te Garancise, dhe Legjislacioni Kosovar do te caktohen per rastet qe nuk parashikohen me dispozitat e kesaj Kontrate Garancie.

SHTOJCE PER PASQYRIMIN E MASAVE TE Nenit 3 te Kontrates: Me nënshkrimin e kushteve të përgjithshme të garancisë së kontratës, Kontraktuesi e autorizon Garantuesin që në rast të mospërmbushjes së obligimeve ndaj Përfituesit nga ana e Kontraktuesit, pra, ai ("Garantuesi") ka autorizimin e plotëfuqishëm nga Kontraktuesi që në çdo kohë të bëjë riimbursimin e plotë të shumës së paguar nga Garantuesi në emër të Kontraktuesit nga llogaria bankare e subjektit juridik ("Kontraktuesit").

Kontraktuesi
RAMIZ TAFAJ
(emri,mbiemri, nenshkrimi)

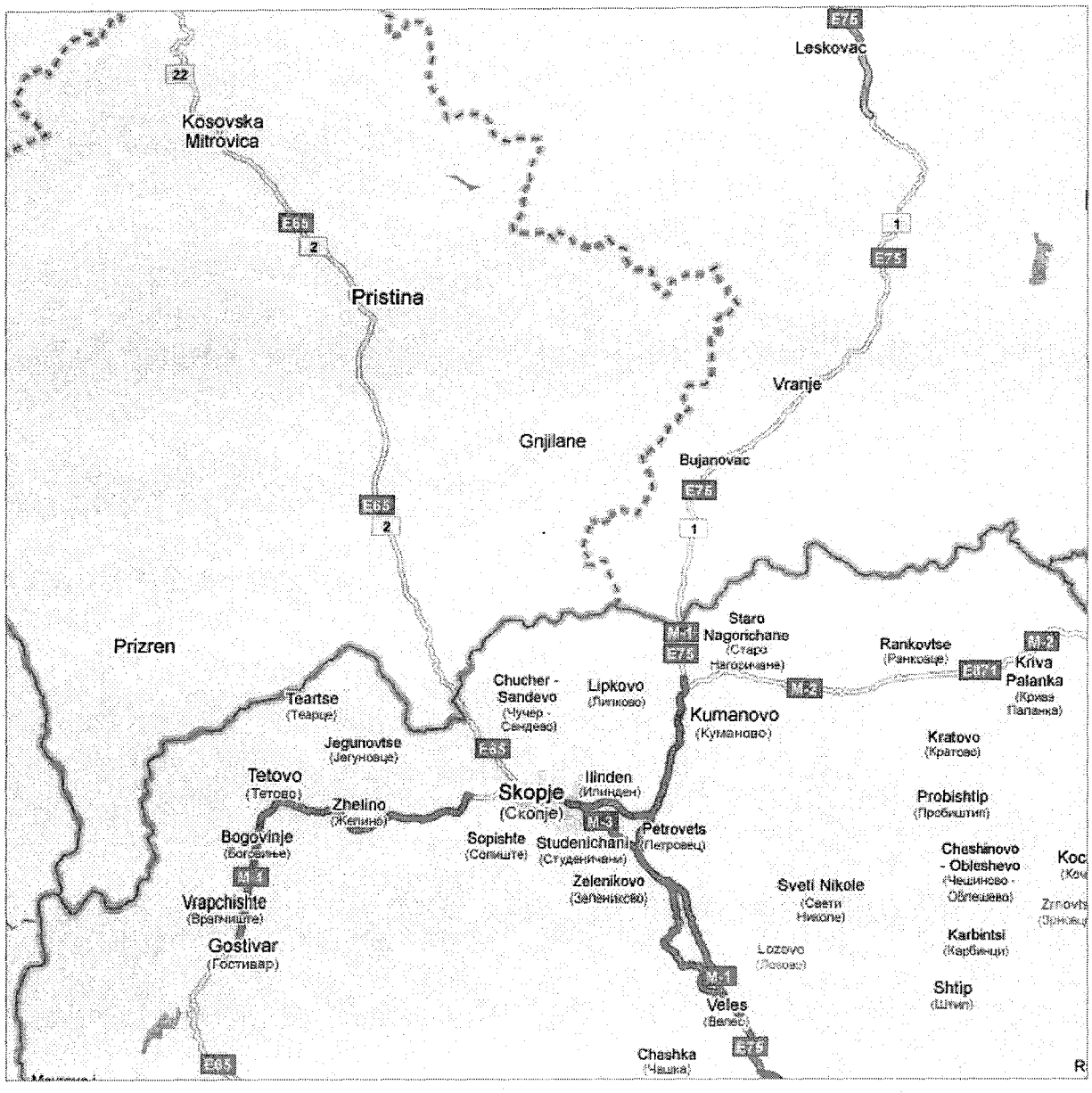
Garantuesi
(emri, mbiemri, nenshkrimi, vula)

EPAHO088002374

Google Maps

Get Google Maps on your phone
Text the word "GMAPS" to 466453

1



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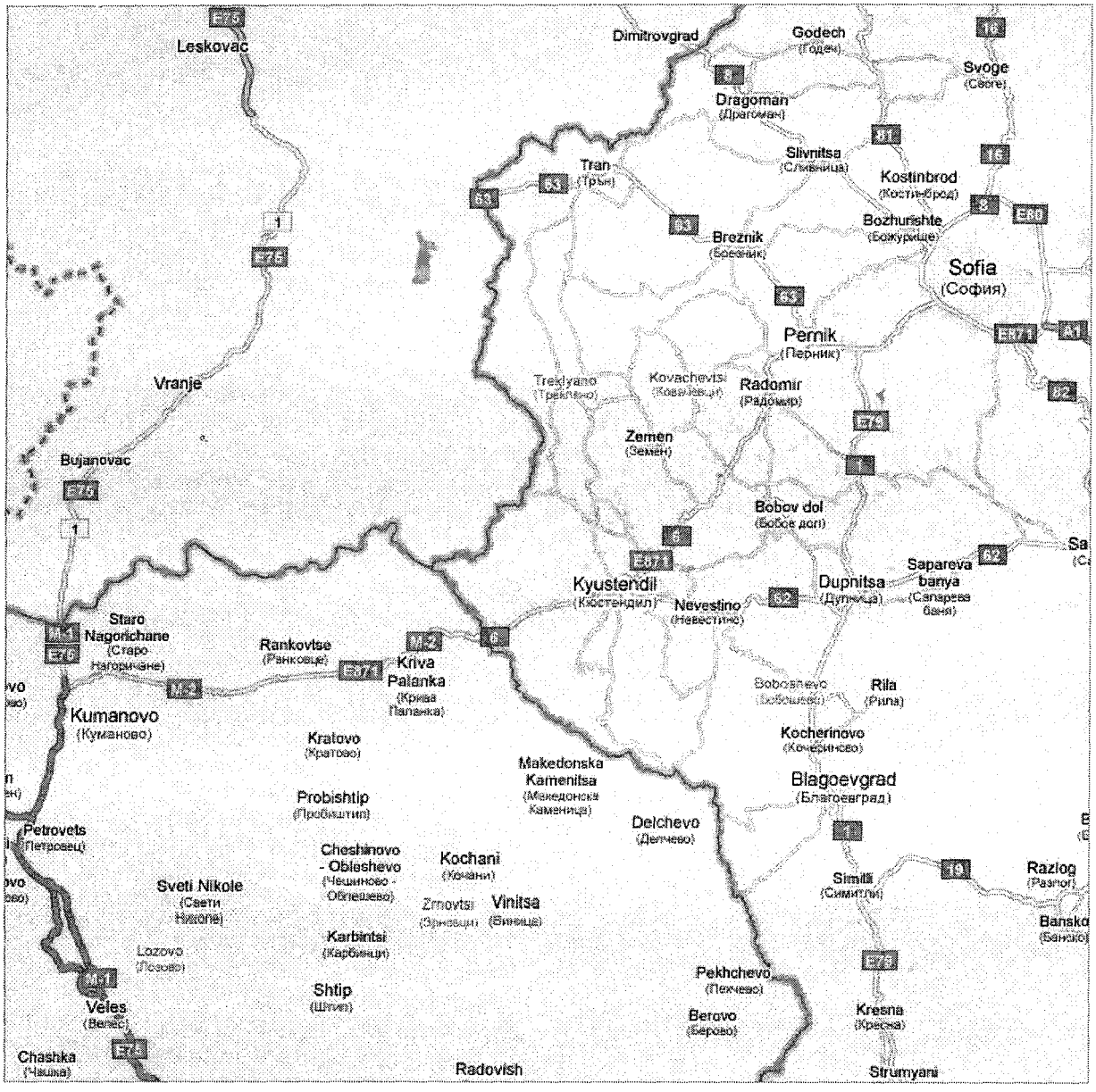
2



Google Maps

Get Google Maps on your phone
Text the word "GMAPS" to 466453

3

4

Google Maps

Get Google Maps on your phone
Text the word "GMAPS" to 466453

Proforma Invoice

Shipper
CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

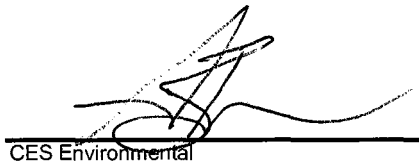
Consignee
CES Environmental Services
4904 Griggs Rd
Houston, TX 77021

Date: 11/14/2008
Inv. Number: PI780387

INCOTerms: FOB
POL: Houston, TX
POE: Houston, TX
Carrier: MSCU
Vessel: MSC Alessia V569R

BL: MSCUHU583848

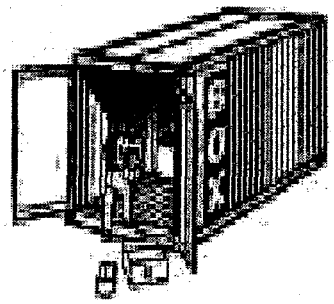
Qty	Weight	Description	Unit Price (USD)	Total (USD)
10pcs	2500kg	Tools, generator, gaskets, hoses, filters, cords compressor, pumps and related articles	$20,000.00	$20,000.00
		9801.00.8500/No/Free		
Country of Origin:	US	Freight did not enter commerce of another country Material did not arrive at destination in time for project, therefore it was returned on same vessel		



CES Environmental

Subtotal:	$20,000.00
Tax:	$0.00
Total	$20,000.00

Kosovo



Box Service Company

P.O. Box 353
Galena Park, TX 77547
Tel: 713-674-1186 Fax: 713-671-3518

Marine Containers & Trailer Vans, Rentals & Sales

INVOICE: H61690
Invoice Date: Monday, November 24, 2008
Due Date: 12/24/2008

Cust CES
INVOICE TO: **CES ENVIROMENTAL SERVICE**
4904 GRIGGS RD.
HOUSTON, TX 77021

Phone (281) 433-7052 Fax (713) 676-1676

JOB NO.:
CONTACT ON SITE: STEVE
SITE PHONE NUMBER: 281-433-7052
DOOR DIRECTIONS: DOORS TO CAB

Ordered by: STEVE
PO Number:
Returned via:
Sales Person: SHARLA

Cust Job No:

(Contract / Ticket 12510)

QTY	DESCRIPTION	BILL FROM / THRU	RATE	TOTAL
	Billing period from 11/23/2008 thru 12/22/2008 11:59:00 PM			
1	20 FT REFURBISHED BOX DOORS AT 1 END UNIT: BSSL 2689009	11/23/2008 12/22/2008 11:59:00 PM	60.00	60.00

Total Rental Charges: 60.00

SubTotal: 60.00
Taxable Total: 60.00
TX Tax: 3.75 HARRIS Tax: .60 Total Tax: 4.35

THANK YOU FOR YOUR BUSINESS... AMOUNT DUE... $64.35

BATCH - CUSTOMER WILL HAVE CES ENVIROMENTAL SERVICE TRUCK COME AND PICK UP CONTAINER FROM BOX SERVICE 8700 INDUSTRIAL AND TAKING IT TO THERE HOME OFFICE AT 4904 GRIGGS RD.

POSTED
12-12-08

BY: _____

RECEIVED

Containers to Kosovo

Box Service Company
8700 INDUSTRIAL ROAD
HOUSTON, TX 77029
Tel: 713-674-1186 Fax: 713-671-3518
Marine Containers & Trailer Vans, Rentals & Sales

CHANGE OF MAILING ADDRESS

PLEASE MAIL ALL FUTURE CORRESPONDENCE FOR BOX SERVICE COMPANY TO OUR PHYSICAL ADDRESS:

8700 INDUSTRIAL ROAD
HOUSTON, TEXAS 77029

THANK YOU,

MANAGEMENT

RECEIVED

Code Red Safety & Rental
3030 Pasadena Freeway
(Highway 225)
Pasadena, TX 77503
Phone No.: 713-472-6500
Fax No.: 713-472-6510

Please Remit Payment to:
Code Red Safety & Rental
6205 Indianapolis Blvd.
Hammond, IN 46320
(800) 499-5253

RENTAL INVOICE

Invoice Number: RI06572
Invoice Date: 10/31/08

Bill
To: CES Environmental Services
4904 Griggs Rd.
Houston, TX 77021

Ship
To: CES Environmental Services
4904 Griggs Rd.
Houston, TX 77021

Customer ID: CUS2386
Shipping Method: OUR TRUCK
Terms: Standard Terms 30 days
Due Date: 11/30/08

P.O. Number: OVERSEAS/LOREN
P.O. Date: 10/07/08
Our Order No. RO105829
Salesperson: Alberto Quiroga

Items Sold

Item / Description	Quantity	Sale Date	Unit Price	Total Price
FEE-FUEL SURCHARGE Trip Charge	1 Each	10/08/08	15.00	15.00

Subtotal:	1,562.00
Tax:	128.87
Total:	1,690.87

CODE RED SAFETY & RENTAL

Code Red Safety & Rental
3030 Pasadena Freeway
(Highway 225)
Pasadena, TX 77503
Phone No.: 713-472-6500
Fax No.: 713-472-6510

Please Remit Payment to:
Code Red Safety & Rental
6205 Indianapolis Blvd.
Hammond, IN 46320
(800) 499-5253

RENTAL INVOICE

Invoice Number: RI06572
Invoice Date: 10/31/08
Page: 1

RECEIVED
NOV 04 2008
BY:----------

Bill To: CES Environmental Services
4904 Griggs Rd.
Houston, TX 77021

Ship To: CES Environmental Services
4904 Griggs Rd.
Houston, TX 77021

Customer ID: CUS2386
Shipping Method: OUR TRUCK
Terms: Standard Terms 30 days
Due Date: 11/30/08

P.O. Number: OVERSEAS/LOREN
P.O. Date: 10/07/08
Our Order No. RO105829
Salesperson: Alberto Quiroga

Items Rented

Item / Description	Quantity	Rental Term	From / Thru	Unit Price	Total Price
BREATHERBOX Breather Box - **Send Extra Filters***	1 Each	Final	10/08/08 10/20/08	585.00	585.00
Best Price Breakout:	0 Months at 900.00	2 Weeks at 225.00	3 Days at 45.00		
LITE-AIR FILTER Water Trap Filter	1 Each	Final	10/08/08 10/20/08	130.00	130.00
Best Price Breakout:	0 Months at 200.00	2 Weeks at 50.00	3 Days at 10.00		
MASK-LG SAR	4 Each	Final	10/08/08 10/20/08	104.00	416.00
Best Price Breakout:	0 Months at 160.00	2 Weeks at 40.00	3 Days at 8.00		
AIRHOSE050HANSON Air Hose 3/8x50' (Hanson)	8 Each	Final	10/08/08 10/20/08	52.00	416.00
Best Price Breakout:	0 Months at 80.00	2 Weeks at 20.00	3 Days at 4.00		

Items Sold

Item / Description	Quantity	Sale Date	Unit Price	Total Price

POSTED
12-12-08

Continued...

October 7, 2008 9:26:25 AM
Page:1
Bfuselier

Rental Picking List

Bill
To: CES Environmental Services
4904 Griggs Rd.
Houston, TX 77021

Ship
To: CES Environmental Services
~~Melba~~ LOREN
4904 Griggs Rd.
Houston, TX 77021

Customer No: CUS2386
SalesPerson: Alberto Quiroga
Rental Order No: RO105829

Shipment Date: 10/08/08 Overseas
Shipping Method OUR TRUCK
Shipping Service:

Items Rented

Item / Description	Shipment Date	Qty	Items Picked Qty. / Serial No
BREATHERBOX Breather Box - **Send Extra Filters***	10/08/08	1	2 Filter kits 15323
LITE-AIR FILTER Water Trap Filter	10/08/08	1	CRALF62
MASK-LG SAR	10/08/08	4	9803 2475 Ø323 Ø511
AIRHOSE050HANSON Air Hose 3/8x50' (Hanson)	10/08/08	8	

Items Sold

Item / Description	Shipment Date	Qty	Items Picked Qty. / Serial No
FEE-FUEL SURCHARGE Trip Charge	10/08/08	1	

Signature: _____ Date: 10/7

Print: James _____ Time: 12:17

EPAHO088002384

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1678

Transportation Work Ticket

Folder ID : Kosovo Government Disulfide Oil Project

Date : 12/2/2008 **Manifest # :**

Client : Gulf Winds International **Ticket :** 77059

Phone : 7137474909 **Consignee :** CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature **Signature**

Leave CES Yard :	145	**Arrive At Destination**	415
Arrive At Customer :	215	**Begin Unloading :**	
Begin Loading :		**Finish Unloading :**	
Finish Loading :		**Leave Destination :**	
Leave Customer :	350	**Arrive At CES Yard :**	

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		**Ending Odometer :**	80085
Tare Weight :		**Begining Odometer :**	79954
Net Weight :		**Total Miles :**	131

Driver : Sanders, Preston **Tractor # :** 295 **Tote # :**

Signature : Preston Sanders **Trailer # :** **Box # :**

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002385

Gulf Winds INTERNATIONAL, INC.
THE INTERNATIONAL LOGISTICS SPECIALISTS

Warehousing ♦ Transportation ♦ Distribution ♦ Consolidation

EQUIPMENT INTERCHANGE RECEIPT - LOAD OUT

EQUIPMENT INTERCHANGE RECEIPT

CONTAINER NUMBER	BSSU 2689009
CHASSIS NUMBER	XNP2 208041
TRUCK LINE	CES ENVIRONMENTAL
TRUCK NUMBER	295
SEAL NUMBER	CANNOT SEAL
E.I.R. DATE	12/2/08
E.I.R. TIME	3PM

ANY CONTAINER DAMAGE?				
LEFT SIDE	RIGHT SIDE	FRONT SIDE	BACK SIDE	CHECK

DESCRIBE	

ANY CHASSIS DAMAGE?				
LEFT SIDE	RIGHT SIDE	FRONT SIDE	BACK SIDE	CHECK

DESCRIBE	

DRIVER SIGNATURE Preston Santee DATE 12/2/08

DISCLAIMER:

LIABILITY ON THIS EQUIPMENT HAS BEEN TRANSFERRED FROM GULF WINDS TO THE TRUCK LINE ABOVE ON THE DATE SIGNED ABOVE - THANK YOU!

GULF WINDS INTERNATIONAL, INC.
1101 NORTH BROADWAY ♦ LA PORTE, TX 77571
TEL: 713 747 4909 ♦ FAX: 713 747 5330 ♦ www.gwii.com

WHITE: CSR COPY YELLOW: DRIVER COPY PINK: BROADWAY YARD COPY

1000 E. Barbours Cut Blvd., La Porte TX 77571
Phone: (713) 747-4909
Fax: (281) 470-1023

GULF WINDS INTERNATIONAL, INC.
EQUIPMENT INTERCHANGE RECEIPT

EIR:	101608
CONTAINER:	BSSL2689009
OBL NO.:	MSCUHU583848
CARRIER:	CUSTOMER PICKUP
TRUCK NO.:	295
TRAILER NO.:	XNPZ208041
NEW SEAL NO.:	CANNOT SEAL
EIR DATE/TIME:	12/02/2008 14:38
I/C REMARKS:	3RD PARTY INTERCHANGE TO CES ENVIRONMENTAL SERVICES

DRIVER SIGNATURE Preston Sanders DATE 12-02-08

CES Environmental Services, Inc.

JOB INFORMATION PROFILE

Folder ID :	Kosovo Government Disulfide Oil Project

Customer : Gulf Winds International

Address :

City,State,Zip : _,

CES Contact : ( ) -

Driver : **Sanders, Preston**

Helper :

Date : 12/2/2008 Time : ~~2nd~~ 3rd

Truck # 295 Trailer #

Job Description :

Pick up 20YD shipping box from Gulf Wind with bobtail & bring back to CES yard

After you unload box take trailer back to Gulf Winds.

Contact# 713-747-4909 Customs shipping warehouse

1200 East Barbours Cut Blvd.
Right 1½ #62176

ID #: 77059

BSSO-268900 9

CUSTOMER INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	2

RECEIVING INFORMATION

OPERATION HOURS:		SHIPPING/RECEIVING CONTACT:		AFTER HOURS CONTACT:	
Open :		Name:		Name:	
Close:		Number:		Number:	

PURCHASE ORDER NUMBER REQUIRED: ☐ YES ☐ NO

IF YES, P.O. #:

PPE REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

HACSC REQUIRED: ☐ YES ☐ NO

IF YES, WHAT?

CAN CUSTOMER LOAD US : ☐ YES ☐ NO

ROPPER PUMP: ☐ YES ☐ NO

WASHOUT ANTICIPATED: ☐ YES ☐ NO

BOX LINER REQUIRED ☐ YES ☐ NO

LOADING/UNLOADING TRAILER TYPE: ☐ REAR ☐ BELLY ☐ DOES NOT MATTER

BOX NUMBER:

CES OWNS BOX: ☐ YES ☐ NO

CUSTOMER OWNS BOX: ☐ YES ☐ NO

CES RENTED BOX: ☐ YES ☐ NO

CUSTOMER RENTED BOX: ☐ YES ☐ NO

AMOUNT OF HOSE NEEDED:

SIZE:

DRUM DOLLY NEEDED: ☐ YES ☐ NO

PALLET JACK NEEDED: ☐ YES ☐ NO

LOADING FROM (i.e. Tank):

SIZE OF FITTING:

TYPE OF FITTING:

CAN CUSTOMER LOAD WITH FORKLIFT ☐ YES ☐ NO

Note: Pallets are only good if they drive the forklift into the trailer. Otherwise, it is a huge and painful experience for the driver. If pallets are used, then the drums must be shrink wrapped.

FIELD SERVICE WORK

HELPER REQUIRED: ☐ YES ☐ NO **IF YES, HOW MANY?** 0

EQUIPMENT NEEDED:

EPAHO088002389

Bank of America

::

Bank of America, N.A.
Wire Transfer Services

Date: 14-NOV-2008
Time Wire Completed: 01:01 ET
Account: (b) (6) [redacted]

C E S ENVIRONMENTAL SERVICES, INC.
DBA INDUSTRIAL CHEMICAL CLEANRS INC
4904 GRIGGS RD
HOUSTON, TX 77021-3208
Attn: GREG BOWMAN

Please contact us at 800.729.9473 Option 2 if you have any questions about this wire transfer. Thank you for using Bank of America Wire Transfer Services.

The following wire was debited today in the amount of USD: 12,934.20

Transaction Ref:	2008111400037343	
Related Ref:	22639055	
Service Ref:	000704	
IMAD:	20081114B6B7HU3R000704	
Beneficiary's Bank:	CITIBANK, NA WASHINGTON, DC	ID:A/254070116
Beneficiary:	AVNI SPAHIU	ID:6737826301

NNNN

CONFIDENTIALITY NOTICE: This Fax transmittal is a confidential communication. If the reader of this message is not the intended recipient or an agent responsible for delivering it to the intended recipient, you are hereby notified that you have received this document in error and that any review, dissemination, distribution or copying of this transmittal is strictly prohibited. If you have received this communication in error, please notify this office and immediately delete this message and all of its attachments, if any.

Juanita Thomas

From: Greg Bowman
Sent: Thursday, November 13, 2008 5:11 PM
To: Ryan Thomas; Melba Stephens; Juanita Thomas
Cc: Matt Bowman
Subject: Kosovo

Ramiz – Here is the wire you requested. You gave it to me this afternoon with a deadline of today. I did it as promised. NOW, where is the Ras gas money? I asked for this many months ago and you promised to deliver. We are still waiting. How bout a little return of favor. Now.

PI Reference: 22639055		Payment 1 of 1.	
Payment Type:	USD Wire	**Beneficiary ID:**	6737826301
Value Date:	11/14/2008	**Beneficiary:**	Avni Spahiu
Debit Account:	(b) (6)	**Beneficiary Bank ID:**	254070116
Payment Amount:	12,934.20 USD	**Status:**	Released
Service Conf:			

Greg Bowman
Vice President Finance and Administration
CES Environmental Services
(713) 419-6076 (CELL)
(713) 676-1676 (FAX)

Bank of America

Online Banking

Full Analysis Busn Chk - 4533 : Transaction Details

Transaction Details:

Description: WIRE TYPE:WIRE OUT DATE:081114 TIME:0510 ET TRN:2008111400037343 SERVICE REF:000704

Posting date: 11/14/2008

Amount: $12,934.20

Type: Outgoing Wire Transfer

Account number: Full Analysis Busn Chk-4533

EPAHO088002392

Cash
- 12 9m

CC Pro
+25 = Δ

25 000
- 12,934.20 ← From Accrual
X

OB
D 25K accrual
C Revenue
C ~~Payables~~ Cash

Itemized Expenses for Disulfide Oil Job in Kosova
From 8/25 - 10/28/08

Profit = X − B

Generator		1,120.00
Setup and Other Parts for Hookup of Generator		235.00
Air Compressor		1,260.80
Air Hoses for Compressor		224.00
2 Plastic jugs to setup system 300/500 liter		314.60
4 pumps		1,200.00
Building of Filters - Labor, Material, and Testing		920.00
42 Twenty-five liter plastic jugs to replace damaged ones over 60 days		651.00
Reflector, cables, outlets and other electric lights		557.00
Diesel for generator		735.00
Fuel for transportation - Prishtine, Mitrovica during 60 day period		1,460.00
Telephone prepaid cards		756.00
Small Refrigerator		250.00
Food, drinks, and lodging for 5 days for workers		1,308.80
Small Truck - 6 tons		350.00
Van for transportation of workers		242.00
Food and Entertainment for 60 days for Ramiz		2,800.00
ISO Container Insurance to Enter Kosova		1,050.00
Tender Bond for 95,000 Euros		350.00
Money for ISO Truck Chauffeurs		600.00
Payment for Depositing Shredded jugs into waste land		2,050.00
3 Trucks transporting empty jugs through Kosova		1,680.00
Labor for Tafil Tafilaj from 8/25 - 10/28		2,520.00
Labor for Agron Tafilaj from 8/28 - 10/28		1,400.00
Labor for Dardan Spahiu - 5 days		800.00
Labor for Kujtim Dinaj - 5 days		700.00
Labor for Agim Malokaj - 5 days		700.00
Labor for Deme Dabiqaj - 5 days	B=	700.00
	↓ Less exp.	
Subtotal		26,934.20
Advance Received from Greg Bowman	7,000.00	
Advance Received from Steve	7,000.00	
Total		12,934.20

M.B. [illegible]

EPAHO088002393

Itemized Expenses for Disulfide Oil Job in Kosova From 8/25 - 10/28/08

Generator		1,120.00
Setup and Other Parts for Hookup of Generator		235.00
Air Compressor		1,260.80
Air Hoses for Compressor		224.00
2 Plastic jugs to setup system 300/500 liter		314.60
4 pumps		1,200.00
Building of Filters - Labor, Material, and Testing		920.00
42 Twenty-five liter plastic jugs to replace damaged ones over 60 days		651.00
Reflector, cables, outlets and other electric lights		557.00
Diesel for generator		735.00
Fuel for transportation - Prishtine, Mitrovica during 60 day period		1,460.00
Telephone prepaid cards		756.00
Small Refrigerator		250.00
Food, drinks, and lodging for 5 days for workers		1,308.80
Small Truck - 6 tons		350.00
Van for transportation of workers		242.00
Food and Entertainment for 60 days for Ramiz		2,800.00
ISO Container Insurance to Enter Kosova		1,050.00
Tender Bond for 95,000 Euros		350.00
Money for ISO Truck Chauffeurs		600.00
Payment for Depositing Shredded jugs into waste land		2,050.00
3 Trucks transporting empty jugs through Kosova		1,680.00
Labor for Tafil Tafilaj from 8/25 - 10/28		2,520.00
Labor for Agron Tafilaj from 8/28 - 10/28		1,400.00
Labor for Dardan Spahiu - 5 days		800.00
Labor for Kujtim Dinaj - 5 days		700.00
Labor for Agim Malokaj - 5 days		700.00
Labor for Deme Dabiqaj - 5 days		700.00
Subtotal		26,934.20
Advance Received from Greg Bowman	7,000.00	-
Advance Received from Steve	7,000.00	-
Total		12,934.20

EPAHO088002394

CES Environmental Services, Inc. (2005)
General Journal Transaction
October 31, 2008

Num	Name	Memo	Account	Class	Debit	Credit
ms360	Hoyer	Accrue ov...	534500 · Deliver...	Transp...	31,500.00	
	Hoyer	Accrue ov...	201002 · Oil Pro...	Transp...		31,500.00
	Hoyer	Accrue Po...	534000 · Equip...	Transp...	12,747.00	
	Hoyer	Accrue Pol...	201002 · Oil Pro...	Transp...		12,747.00
	Environ Express...	Accrue En...	502000 · Analyti...	PA	400.00	
	Environ Express...	Accrue En...	201002 · Oil Pro...	PA		400.00
	Code Red Safet...	Accrue Saf...	540000 · Job M...	PA	1,000.00	
	Code Red Safet...	Accrue Saf...	201002 · Oil Pro...	PA		1,000.00
	CES	CES Intern...	447500 · CES In...	PA	30,000.00	
	CES	CES Intern...	201002 · Oil Pro...	PA		30,000.00
					75,647.00	75,647.00
TOTAL					**75,647.00**	**75,647.00**

add conversion LOSS 25789.00

201000 -

501000 SGA

-CC 25789.00

+A/R 34746.80

EPAHO08002395

Customer Special Requests/Requirements

P.O. Required:	☐ Y	☐ N	Fuel Surcharge:	☐ Y	☐ N
4% City of Houston Fee:	☐ Y	☐ N	4-hr Minimum:	☐ Y	☐ N

Job Estimate

Item	CES Cost	Customer Charge
Exporting/Receiving Di Sulfide Oil		~~119989.02~~ 128946.82
Police Escort + other charges	12747.00	12747.00
TRANS - 3 Containers HOYER	31,500.00	
ANALYSIS	400.00	
Job Mats Code Red	1000.00	
CES Internal TRANS + Management Fee	30,000.00	
Accrue - Conversion Loss	25789.00	25789.00
	75647.00	132,736.02
	(57089.02)	
	101436.00	167482.82
adjust project $957.80	(66046.82)	

Accrual

GJ ms360

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
11/6/2008	51407

copy

Bill To: Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
Republic of Kosovo

P.O. No.	Terms	Project
	Due on rec...	

Quantity	Description	Manifest #	Rate	Amount
	Contract Ref: 210/08/031/214			128946.82
	Exporting and Receiving of Disulfide Oil from 3 trucks in mitrovica as per contract dated 8/26/08		119989.02	119,989.02
	Total: 94,131.18 Euro (138928.21) 8/26			
	Police escort charges and other charges occurred from Kosovo to Istanbul		12,747.00	12,747.00
	Total: 10,000.00 Euro (14759.00) 8/26			
	correction case			25789.00
	U.S. conversion rate as of 8/26/08 1.47590 U.S. conversion rate as of 11/6/08 1.2747			

We appreciate your business!

Subtotal	$132,736.02
Sales Tax (0.00)	$0.00
Total	$132,736.02

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

167482.82

~~Item~~ ~~Vendor~~ ~~Cost~~ ~~Charge to Customer~~

Total charge to Customer → 94,131.18 Euros

1.00 = .73 $

$128,946.82

Trans of 3bx Triton $31,500 (3bx)

1bx to Greece from Houston $4,275

Triton Additional court for Escort, ect for all 3 bx) Refuse to pay

~~9.5~~ 10K not on time

Airline Tickets Kosovotours International $16K

Ground operations in Kosovo CES cost Internal cash / cost to Ramiz & Steve Stricker $25K

Steve x - $3400.00

est $51K

~~[illegible]~~

* asking for that for escort pay + $25,789.

Conversion loss

~~$214~~

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

COPY

Invoice

Date	Invoice #
11/6/2008	51407

Bill To: Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
Republic of Kosovo

P.O. No.	Terms	Project
	Due on rec...	

Quantity	Description	Manifest #	Rate	Amount
	Contract Ref: 210/08/031/214			
	Exporting and Receiving of Disulfide Oil from 3 trucks in mitrovica as per contract dated 8/26/08		128946.82	128,946.82
	Total: 94,131.18 Euro (138928.21) 8/26			
	Police escort charges and other charges occurred from Kosovo to Istanbul		12,747.00	12,747.00
	Total: 10,000.00 Euro (14759.00) 8/26			
	Conversion Loss		25,789.00	25,789.00
	U.S. conversion rate as of 8/26/08 1.47590 U.S. conversion rate as of 11/6/08 1.2747			

We appreciate your business!

Subtotal	$167,482.82
Sales Tax (0.00)	$0.00
Total	$167,482.82

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

copy

10/31/08

Ministria e Mjedisit
Rr. Nazmi Gafurri No 33
10000 Pristina
Republic of Kosovo

Attn: Arben Citaku

Ref: 210/08/031/214

1. Exporting and Receiving of Disulfide Oil from 3 trucks in Mitrovica as per contract Ref #210/08/031/214 dated 8/29/2008
   Total: 94,131.18 Euro

2. Police Escort charges and other charges occurred from Kosovo to Istanbul
   Total: 10,000.00 Euro

Total Invoice: 104,131.18 Euro
Total Invoice : U.S. Dollars $153,687.21

U.S. conversion on 8/26/08 date of contract 1.47590

KOSOVATOURS INTERNATIONAL INC.

Travel Agency and Translation Services
1054 McLean Avenue, Yonkers, NY 10704,
Tel 914-237 6400, Fax. 914-237 6161
E mail: Kosovatours@Optonline.net

New York, November 3, 2008

TO: Mr. RAMIZ TAFILAJ
CES Environmental Services Inc.
4904 Griggs Rd.
Houston, TX. 77021

INVOICE NO. 10/2008

Airline tickets from Houston to Prishtina.
For the Ramiz Tafilaj (9/22/08), Steven Strickers (10/10/08), Durim Tafilaj (10/10/08) and Mathew Bowman (23/10/08):

Austrian Airlines and United Airlines 4 X 2,375.00 = total $ 9,500.00

OK FOR PAYMENT

TOTAL $ 9,500.00

Thank you for your business!

YAHOO! SMALL BUSINESS

Print - Close Window

From: "KOSOVA TOURS INTL INC (AGENTID01343171)" <emailserver@pop3.amadeus.net>

To: RAMIZ@TAFILAJGROUP.COM

Subject: TAFILAJ/RAMIZ(JCB) 23SEP IAH

Date: Mon, 22 Sep 2008 17:42:37 +0000

TAFILAJ/RAMIZ(JCB) 23SEP IAH

KOSOVA TOURS INTL INC
1054 MCLEAN AVENUE, 1ST FLOOR
YONKERS NY 10704
TELEPHONE: 914 237-6400
FAX : 914 237-6161

DATE 22SEPTEMBER08
AGENT AB/AB BOOKING REF 5MFE26

TAFILAJ/RAMIZ

SERVICE	DATE	FROM	TO	DEPART	ARRIVE
UNITED AIRLINES	23SEP	HOUSTON TX	WASHINGTON DC	1154A	403P
UA 7316	TUESDAY	G.BUSH INTERCO	DULLES INTL		
S ECONOMY		AIRCRAFT:	CANADAIR REGIONAL JET 700		
		SEAT 11A CONFIRMED			
		FLIGHT OPERATED BY UNITED EXPRESS/MESA AI			
		RESERVATION CONFIRMED			

CLICK HERE FOR WASHINGTON CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	23SEP	WASHINGTON DC	VIENNA	600P	840A
OS 94	TUESDAY	DULLES INTL	VIENNA INTL		24SEP
W ECONOMY		AIRCRAFT:	BOEING 777-200/200ER		
		SEAT 12E CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR VIENNA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	24SEP	VIENNA	PRISTINA	140P	345P
OS 777	WEDNESDAY	VIENNA INTL	PRISTINA INTL		
S ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A319		
		SEAT 05C CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR PRISTINA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	20OCT	PRISTINA	VIENNA	700A	905A
OS 770	MONDAY	PRISTINA INTL	VIENNA INTL		
S ECONOMY		AIRCRAFT:	FOKKER 100		
		SEAT 06C CONFIRMED			
		FLIGHT OPERATED BY VO TYROLEAN AIRWAYS			
		RESERVATION CONFIRMED			

EPAHO088002402

YAHOO! SMALL BUSINESS Print - Close Window

From: "KOSOVA TOURS INTL INC (AGENTID01343171)" <emailserver@pop3.amadeus.net>

To: RAMIZ@TAFILAJGROUP.COM

Subject: STRICKERS/STEVEN 10OCT IAH

Date: Mon, 22 Sep 2008 18:02:27 +0000

STRICKERS/STEVEN 10OCT IAH

KOSOVA TOURS INTL INC
1054 MCLEAN AVENUE, 1ST FLOOR
YONKERS NY 10704
TELEPHONE: 914 237-6400
FAX : 914 237-6161

DATE 22SEPTEMBER08
AGENT AB/AB BOOKING REF 4T9EKI

STRICKERS/STEVEN

SERVICE	DATE	FROM	TO	DEPART	ARRIVE
UNITED AIRLINES	10OCT	HOUSTON TX	WASHINGTON DC	1156A	405P
UA 7316	FRIDAY	G.BUSH INTERCO	DULLES INTL		
S ECONOMY		AIRCRAFT:	CANADAIR REGIONAL JET 700		
		SEAT 16A CONFIRMED			
		FLIGHT OPERATED BY UNITED EXPRESS/MESA AI			
		RESERVATION CONFIRMED			

CLICK HERE FOR WASHINGTON CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	10OCT	WASHINGTON DC	VIENNA	600P	840A
OS 94	FRIDAY	DULLES INTL	VIENNA INTL		11OCT
W ECONOMY		AIRCRAFT:	BOEING 777-200/200ER		
		SEAT 10B CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR VIENNA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	11OCT	VIENNA	PRISTINA	140P	345P
OS 777	SATURDAY	VIENNA INTL	PRISTINA INTL		
S ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A319		
		SEAT 05F CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR PRISTINA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	20OCT	PRISTINA	VIENNA	700A	905A
OS 770	MONDAY	PRISTINA INTL	VIENNA INTL		
S ECONOMY		AIRCRAFT:	FOKKER 100		
		SEAT 08C CONFIRMED			
		FLIGHT OPERATED BY VO TYROLEAN AIRWAYS			
		RESERVATION CONFIRMED			

EPAHO088002403

YAHOO! SMALL BUSINESS Print - Close Window

From: "KOSOVA TOURS INTL INC (AGENTID01343171)" <emailserver@pop3.amadeus.net>

To: RAMIZ@TAFILAJGROUP.COM

Subject: TAFILAJ/DURIM(JCB) 10OCT IAH

Date: Mon, 22 Sep 2008 18:00:55 +0000

TAFILAJ/DURIM(JCB) 10OCT IAH

KOSOVA TOURS INTL INC
1054 MCLEAN AVENUE, 1ST FLOOR
YONKERS NY 10704
TELEPHONE: 914 237-6400
FAX : 914 237-6161

DATE 22SEPTEMBER08
AGENT AB/AB BOOKING REF 4T9ECD

TAFILAJ/DURIM

SERVICE	DATE	FROM	TO	DEPART	ARRIVE
UNITED AIRLINES	10OCT	HOUSTON TX	WASHINGTON DC	1156A	405P
UA 7316	FRIDAY	G.BUSH INTERCO	DULLES INTL		
S ECONOMY		AIRCRAFT:	CANADAIR REGIONAL JET 700		
		FLIGHT OPERATED BY UNITED EXPRESS/MESA AI			
		RESERVATION CONFIRMED			

CLICK HERE FOR WASHINGTON CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	10OCT	WASHINGTON DC	VIENNA	600P	840A
OS 94	FRIDAY	DULLES INTL	VIENNA INTL		11OCT
W ECONOMY		AIRCRAFT:	BOEING 777-200/200ER		
		SEAT 10E CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR VIENNA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	11OCT	VIENNA	PRISTINA	140P	345P
OS 777	SATURDAY	VIENNA INTL	PRISTINA INTL		
S ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A319		
		SEAT 05D CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR PRISTINA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	20OCT	PRISTINA	VIENNA	700A	905A
OS 770	MONDAY	PRISTINA INTL	VIENNA INTL		
S ECONOMY		AIRCRAFT:	FOKKER 100		
		SEAT 08A CONFIRMED			
		FLIGHT OPERATED BY VO TYROLEAN AIRWAYS			
		RESERVATION CONFIRMED			

CLICK HERE FOR VIENNA CITY INFO, TRANSFERS & EVENTS

EPAHO088002404

YAHOO! SMALL BUSINESS Print - Close Window

From: "KOSOVA TOURS INTL INC (AGENTID01343171)" <emailserver@pop3.amadeus.net>

To: RAMIZ@TAFILAJGROUP.COM

Subject: BOWMAN/MATHEW(JCB) 23OCT IAH

Date: Wed, 22 Oct 2008 16:38:14 +0000

BOWMAN/MATHEW(JCB) 23OCT IAH

KOSOVA TOURS INTL INC
1054 MCLEAN AVENUE, 1ST FLOOR
YONKERS NY 10704
TELEPHONE: 914 237-6400
FAX : 914 237-6161

DATE 22OCTOBER08
AGENT AB/AB BOOKING REF YWB5SW

BOWMAN/MATHEW

SERVICE	DATE	FROM	TO	DEPART	ARRIVE
UNITED AIRLINES	23OCT	HOUSTON TX	WASHINGTON DC	1156A	405P
UA 7316	THURSDAY	G.BUSH INTERCO	DULLES INTL		
W ECONOMY		AIRCRAFT:	CANADAIR REGIONAL JET 700		
		SEAT 11C CONFIRMED			
		FLIGHT OPERATED BY UNITED EXPRESS/MESA AI			
		RESERVATION CONFIRMED			

CLICK HERE FOR WASHINGTON CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	23OCT	WASHINGTON DC	VIENNA	600P	840A
OS 94	THURSDAY	DULLES INTL	VIENNA INTL		24OCT
W ECONOMY		AIRCRAFT:	BOEING 777-200/200ER		
		SEAT 21C CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR VIENNA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	24OCT	VIENNA	PRISTINA	140P	345P
OS 777	FRIDAY	VIENNA INTL	PRISTINA INTL		
W ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A320-100/200		
		SEAT 09C CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR PRISTINA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	29OCT	PRISTINA	VIENNA	700A	910A
OS 770	WEDNESDAY	PRISTINA INTL	VIENNA INTL		
S ECONOMY		AIRCRAFT:	FOKKER 100		
		SEAT 16E CONFIRMED			
		FLIGHT OPERATED BY VO TYROLEAN AIRWAYS			
		RESERVATION CONFIRMED			

EPAHO088002405

KOSOVATOURS INTERNATIONAL INC.

Travel Agency and Translation Services
1054 McLean Avenue, Yonkers, NY 10704
Tel 914-237 6400, Fax. 914-237 6161
E mail: Kosovatours @Optonline.net

POSTED
AUG 23 2008

New York, August 22, 2008

TO: Mr. RAMIZ TAFILAJ
CES Environmental Services
Houston, TX 77021

888000
SGA

INVOICE NO. 8/2008

Airline tickets from Houston to Prishtina for Ramiz Tafilaj on June 30 2008, Ramiz Tafilaj August 23 2008 and Matthew Bowman August 23 2008

Austrian Airlines and United Airlines 3 X 2,268.00 = total $ 6, 804.00

TOTAL $ 6,804.00

Thank you for your business!

From: "KOSOVA TOURS INTL INC (AGENTID01343171)" <emailserver@pop3.amadeus.net>

To: RAMIZ@TAFILAJGROUP.COM

Subject: TAFILAJ/RAMIZ(JCB) 01JUL IAH

Date: Tue, 01 Jul 2008 02:55:28 +0000

TAFILAJ/RAMIZ(JCB) 01JUL IAH

KOSOVA TOURS INTL INC
1054 MCLEAN AVENUE, 1ST FLOOR
YONKERS NY 10704
TELEPHONE: 914 237-6400
FAX : 914 237-6161

DATE 30JUNE08
AGENT AB/AB BOOKING REF Z9I

TAFILAJ/RAMIZ

SERVICE	DATE	FROM	TO	DEPART	ARRI
UNITED AIRLINES	01JUL	HOUSTON TX	CHICAGO IL	1224P	304I
UA 5992	TUESDAY	G.BUSH INTERCO	O'HARE INTL		
Q ECONOMY		AIRCRAFT:	CANADAIR REGIONAL JET 700		
		FLIGHT OPERATED BY UNITED EXPRESS/SKYWEST			
		RESERVATION CONFIRMED			

CLICK HERE FOR CHICAGO CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	01JUL	CHICAGO IL	VIENNA	430P	910A
OS 66	TUESDAY	O'HARE INTL	VIENNA INTL		02JU
Q ECONOMY		AIRCRAFT:	BOEING 767-200/300		
		SEAT 12A CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR VIENNA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	02JUL	VIENNA	PRISTINA	140P	345I
OS 777	WEDNESDAY	VIENNA INTL	PRISTINA INTL		
Q ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A321		
		SEAT 04D CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR PRISTINA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	11JUL	PRISTINA	VIENNA	700A	905A
OS 770	FRIDAY	PRISTINA INTL	VIENNA INTL		
W ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A319		
		SEAT 12C CONFIRMED			
		RESERVATION CONFIRMED			

EPAHO088002407

From: "KOSOVA TOURS INTL INC (AGENTID01380285)" <emailserver@pop3.amadeus.net>

To: RAMIZ@TAFILAJGROUP.COM

Subject: TAFILAJ/RAMIZ(JCB) 23AUG IAH

Date: Fri, 22 Aug 2008 17:33:11 +0000

TAFILAJ/RAMIZ(JCB) 23AUG IAH

KOSOVA TOURS INTL INC
1054 MCLEAN AVENUE, 1ST FLOOR
YONKERS NY 10704
TELEPHONE: 914 237-6400
FAX : 914 237-6161

DATE 22AUGUST08
AGENT AB/AB BOOKING REF 4N

TAFILAJ/RAMIZ

SERVICE	DATE	FROM	TO	DEPART	ARRI
UNITED AIRLINES	23AUG	HOUSTON TX	WASHINGTON DC	1132A	350I
UA 7316	SATURDAY	G.BUSH INTERCO	DULLES INTL		
W ECONOMY		AIRCRAFT:	CANADAIR REGIONAL JET 700		
		SEAT 18C CONFIRMED			
		FLIGHT OPERATED BY UNITED EXPRESS/MESA AI			
		RESERVATION CONFIRMED			

CLICK HERE FOR WASHINGTON CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	23AUG	WASHINGTON DC	VIENNA	600P	840A
OS 94	SATURDAY	DULLES INTL	VIENNA INTL		24AU
W ECONOMY		AIRCRAFT:	BOEING 777-200/200ER		
		SEAT 19D CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR VIENNA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	24AUG	VIENNA	PRISTINA	140P	345I
OS 777	SUNDAY	VIENNA INTL	PRISTINA INTL		
W ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A320-100/2		
		SEAT 08A CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR PRISTINA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	08SEP	PRISTINA	VIENNA	700A	905A
OS 770	MONDAY	PRISTINA INTL	VIENNA INTL		
Q ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A319		
		SEAT 14D CONFIRMED			

EPAHO088002408

From: "KOSOVA TOURS INTL INC (AGENTID01380285)" <emailserver@pop3.amadeus.net>

To: RAMIZ@TAFILAJGROUP.COM

Subject: BOWMAN/MATTHEW 23AUG IAH

Date: Fri, 22 Aug 2008 17:33:32 +0000

BOWMAN/MATTHEW 23AUG IAH

KOSOVA TOURS INTL INC
1054 MCLEAN AVENUE, 1ST FLOOR
YONKERS NY 10704
TELEPHONE: 914 237-6400
FAX : 914 237-6161

DATE 22AUGUST08
AGENT AB/AB BOOKING REF 4OI

BOWMAN/MATTHEW

SERVICE	DATE	FROM	TO	DEPART	ARRI
UNITED AIRLINES	23AUG	HOUSTON TX	WASHINGTON DC	1132A	350I
UA 7316	SATURDAY	G.BUSH INTERCO	DULLES INTL		
W ECONOMY		AIRCRAFT:	CANADAIR REGIONAL JET 700		
		FLIGHT OPERATED BY UNITED EXPRESS/MESA AI			
		RESERVATION CONFIRMED			

CLICK HERE FOR WASHINGTON CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	23AUG	WASHINGTON DC	VIENNA	600P	840A
OS 94	SATURDAY	DULLES INTL	VIENNA INTL		24AU
W ECONOMY		AIRCRAFT:	BOEING 777-200/200ER		
		SEAT 19E CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR VIENNA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	24AUG	VIENNA	PRISTINA	140P	345I
OS 777	SUNDAY	VIENNA INTL	PRISTINA INTL		
W ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A320-100/2		
		SEAT 08B CONFIRMED			
		RESERVATION CONFIRMED			

CLICK HERE FOR PRISTINA CITY INFO, TRANSFERS & EVENTS

AUSTRIAN	08SEP	PRISTINA	VIENNA	700A	905A
OS 770	MONDAY	PRISTINA INTL	VIENNA INTL		
Q ECONOMY		AIRCRAFT:	AIRBUS INDUSTRIE A319		
		SEAT 14E CONFIRMED			
		RESERVATION CONFIRMED			

EPAHO088002409

(rental) (3)

Cost of containers ~~(supplies)~~

~~Stock~~ ?

~~Raming Expenses~~ ?

Where is oil?

25,000. include materials
& disp of containers

Packing List

Personal Protective Equipment (PPE):

1. Hard Hats (4)
2. Rubber Boots (8)
3. Tyveks–XXLarge and XXXLarge
4. Safety Glasses
5. Tape

Equipment:

1. Air Compressor
2. Air Hose
3. Totes (2)
4. Sack Carbon (1)
5. Generator (1)
6. Diaphragm Pumps (2)
7. Extension Cords (5)
8. Section 4" Flex Hose (1)
9. Boxes 2" Vacuum Hose (2)
10. Joe Box Full of Tools (1)
11. 55 Gallon BLK Drums (4)
12. Yellow Drum/Carbon (1)
13. Air Breathing Hoses
14. Air Breathing Masks/Full Face → Code Red
15. Blower
16. Bag of Cross Foot Gaskets (1)
17. Bag of 2" Hose Gaskets (1)
18. Sections of 2" Cheulcle Hose (6)
19. Sheets of Dry Wood (4)
20. 2X4 (5)
21. Fire Extinguishers (2)
22. Orange Suit Case/Filter System for Sur. Air
23. Spill Pads

~Weight of Container is 16,000

Kosovo Expenses 10-21-08

Cash to Ramiz	= 7,000	00
" expenses	+ 100	€
"	150	€
"	202	50
Parking	77	50
Excess bags	150	€
" &	10 50	00
Hotel	(667 ~~760~~	€)
Fuel	50	€
Dust masks	30	€
Coal	40	€
	$ 9042	.32
1.00 = .73€	1031	.31
+	10,073	63
−	141	00
	<9,932	63>

EPAHO088002412

~~MINISTRIA~~ E MJEDISIT

~~RR~~. RR. NAZMI GAFURRI NO. 33

10000 PRISTINA

REPUBLIC OF KOSOVO

TEL. + 381 38 517-800

0.7845

ATTN: ARBEN ÇITAKU

1. Exporting & Receiving of disulfide Oil from 3 trucks ~~in~~ in MITROVICA as per Contract Ref # 210/08/031/214 8-26-2008
94,131.18 Euro

2. Police Escort ~~Co~~ Charges + other charges occured from KOSOVO to Istanbul 10,000. Euros

TOTAL 104,131.18 Euros 132735.72

EPAHO088002413

Republika e Kosovës
Republika Kosova-Republic of Kosovo
Qeveria -Vlada-Government

Ministria e Mjedisit dhe Planifikimit Hapësinor
Ministarstvo Sredine i Prostornong Planiranja
Ministry of Environment and Spatial Planning

Numri Referues
210/08/031/214

KONTRATË PËR TRANSPORTIMIN E MATERIEVE TE RREZIKSHME NGA TRI MAUNE

Kontraktuesit:

I. "Ministria e Mjedisit dhe Planifikimit Hapësinor", me adresë rr. " Nazim Gafurri " nr. 33, Prishtinë në cilësi të shfrytëzuesit të shërbimeve

II. "CES Enivironmental Services Inc , me adresë 4904 Grigs roud Houston-USA në cilësi të Kryesit të Shërbimeve (Transportimi i materieve te rrezikshme nga tri maune).

1. Ministria e Mjedisit dhe Planifikimit Hapësinor, sipas kësaj kontrate, kërkon të bëjë Transportimin e materieve te rrezikshme nga tri maune sipas propozimit te paraqitur nga kryerësi i shërbimeve në ofertën e tij e cila pjese përbërëse e kësaj kontrate. (Aneksi I)

.2. "CES Enivironmental Services Inc sipas kësaj kontrate pranon që sipas planit operativ te prezantuar konform ofertës se tij dhe parimeve të së drejtës së detyrimeve me profesionalizëm dhe mirëbesim të bëjë Transportimin e materieve te rrezikshme nga tri maune për MMPH-në si në nenin 1 të kësaj kontrate.

3 Standardet

Shërbimet e kryera sipas kësaj kontrate do të jenë konform standardeve ndërkombëtare ku do te behej paketimi ,shënimi dhe transportimi sipas kërkesave te ktyre standardeve ku njeherit kompania"CES Enivironmental Services Inc" do te beje sigurimin e te gjithe dokumentacionit te nevojshëm për transportimin e kesaj materie neper vendet fqinje te Kosovës dhe importimin ne destinacionin e caktuar.

4. Sigurimi i shërbimit dhe kohëzgjatja

4.1 Pas nënshkrimit të kontratës "CES Enivironmental Services Inc" siguron shërbimin e Transportimin e materieve te rrezikshme nga tri maune në afatin e kërkuar dhe me cilësinë më të lartë në përputhje me standardet më të avancuara dhe konventat ndërkombëtare.

4.2 Palët janë pajtuar që kjo kontratë të vlejë deri ne përmbushjen e plote te obligimeve si ne Nenin 1 te kësaj kontrate .

4.3 Nëse cilado nga palët kontraktuese është e pakënaqur me përmbushjen e obligimeve dhe përgjegjësive kontraktore si ne nenin 1 mundet që në afatin skadues prej 3 ditësh nga dita e shkakut për shkëputje të kontratës ta paralajmërojë palën tjetër me shkrim për shkëputjen e kontratës.

5. Inspektimet dhe Testimet

5.1 Ministria e Mjedisit dhe Planifikimit Hapësinor do të ketë të drejtë që të inspektoj dhe/apo të testojë Shërbimet e kryera nga "CES Enivironmental Services Inc" dhe të konfirmoj pajtueshmërinë e tyre me specifikacionin e tenderit si dhe standardet nga pika 4.1

5.2 Nëse shërbimet e kryera sipas kësaj kontrate të testuara apo inspektuara nuk janë konform specifikacionit të ofertës (Aneksi I) dhe propozimit te paraqitur nga Kryerësi i shërbimit , Ministria e Mjedisit dhe Planifikimit Hapësinor mund të refuzojë shërbimin, pastaj "CES Enivironmental Services Inc" menjëherë do të mënjanojë dhe përmirësojë shërbimin e refuzuar, apo do të bëjë të gjitha ndryshimet e nevojshme për të përmbushur kërkesat nga specifikacioni pa asnjë lloj kompensimi nga ana e MMPH-së.

5.3 Nëse "CES Enivironmental Services Inc" nuk e përmbushë këtë obligim si ne nenin 5.2 , Ministria e Mjedisit dhe Planifikimit Hapësinor do të jetë i lirë që të porosis shërbime nga ndonjë kryes tjetër i shërbimeve për shërbimet e refuzuara në llogari të "CES Enivironmental Services Inc" dhe atëherë "CES Enivironmental Services Inc" do të jetë përgjegjës për të gjitha shpenzimet shtesë dhe dëmet që paraqiten.

5.4 "CES Enivironmental Services Inc" është e obliguar qe te beje monitorimin e ndotjes se shkaktuar dhe ne fund te lëshoj një raport te vërtetuar nga një kompani e licencuar me standarde ndërkombëtare për ndotjen e shkaktuar .

5.5 Palët kontraktuese sipas kësaj kontrate garantojnë (secila syresh) për kryerjen e obligimeve me kohë dhe profesionalizëm të lartë të obligimeve të tyre kontraktore.

6 Transportimi

Kryerja e shërbimeve te transportimit do të bëhet nga "CES Enivironmental Services Inc" në pajtim me kushtet e paraqitura në oferte , që do të thotë çmimet e shërbimeve te transportit të bien në ngarkesë të "CES Enivironmental Services Inc

7 Garantimi

"CES Enivironmental Services Inc" garanton se shërbimet e kryera sipas kontratës përmbajnë të gjitha specifikat e përshkruara në oferte dhe konform standardeve ndërkombëtare.

8 Pagesa

8.1 "CES Enivironmental Services Inc" duhet ta përpiloj kërkesën për pagesë dhe t'ia dorëzoj MMPH-së së bashku me një faturë sipas kontratës pasi qe ngarkesa te jete pranuar ne njërën nga portet e destinuara .

8.2 Ministria e Mjedisit dhe Planifikimit Hapësinor kryen pagesën pasi që të merr kërkesën me dokumentacionin e duhur, të cilën duhet ta kryej jo më vonë se 30 ditë pas paraqitjes së saj. Kërkesa duhet të siguroj që të gjitha obligimet e "CES Enivironmental Services Inc" janë përmbushur sipas kontratës dhe propozimit te paraqitur ne oferte .

9 Çmimet

9.1 Çmimet e cituara dhe pagesat do të jenë në Euro dhe përfshijnë çmimin real kushtues si ne oferte prej 94,131.18 €

9.2 Çmimet e caktuara nga "CES Enivironmental Services Inc" për shërbimet e kryera të përfshira në kontratë nuk mund të ndryshojnë nga çmimet e caktuara në ofertën e tyre.

10 Urdhrat për Ndryshim

10.1 Në çfarëdo kohe, duke njoftuar me shkrim "CES Enivironmental Services Inc " Ministria e Mjedisit dhe Planifikimit Hapësinor mund të bëjë ndryshime në fushën e poshtë shënuar të kontratës.

10.2 Mënyra e transportimit, dhe vendi ku duhet kryer shërbimi nga Kryesi i Shërbimeve.

11 Transferimi i Obligimeve

"CES Enivironmental Services Inc" nuk ka të drejtë të transferojë-bartë në ndonjë kryes tjetër të shërbimeve obligimin sipas kësaj kontrate pa pajtimin paraprak me shkrim të shfrytëzuesit të shërbimeve.

12 Shkëputja për shkak të mos përmbushjes së detyrës

12.1 Pa kompensim për shkelje të kontratës, Ministria e Mjedisit dhe Planifikimit Hapësinor duke njoftuar me shkrim 3 dite kalendarike me herët mbi mos përmbushjen e detyrës nga "CES Enivironmental Services Inc" pjesërisht apo tërësisht mund ta shkëpus kontratën në qoftë se:

12.2 "CES Enivironmental Services Inc" dështon në kryerjen e shërbimeve brenda periudhës se ofruar nga bërja e plotfuqishme e kësaj kontrate .

12.3 Ndërprerjes për shkak të paaftësisë së "CES Enivironmental Services Inc" për të siguruar ofrimin e shërbimit sipas ofertës se paraqitur .

13 Zgjidhja e Mosmarrëveshjeve

13.1 Palët do të përpiqen të negociojnë dhe të arrijnë një marrëveshje reciproke për çfarëdo mosmarrëveshje, apo pretendime që kanë apo rrjedhin nga kjo kontratë, shkëputjen e saj, mbarimin dhe kohëzgjatjen.
13.2 Në rast të kontestit lidhur me realizimin e kontratës kompetente është Gjykata Komunale në Prishtinë.

14 Ligji i Aplikueshëm

Kontrata do të interpretohet në përputhshmëri me ligjet dhe rregullat në fuqi në Kosovë dhe rregullave dhe ligjeve ndërkombëtare .

15 Njoftimet

Çdo njoftim i dhënë lidhur me kontratën nga një palë për palën tjetër duhet të jetë me shkrim dhe i dërguar personalisht me postë, faks apo e-mail, i konfirmuar, me datë të saktë dhe dërguar në adresën e theksuar në kontratë. Ndryshimi i adresës bëhet me shkrim dhe i epet palës tjetër.

16 Tatimet dhe Obligimet Doganore

16.1 "CES Enivironmental Services Inc" mban përgjegjësinë mbi të gjitha tatimet, obligimet dhe pagesat për licencë dhe të gjitha vëniet e tatimeve deri në përfundimin e shërbimit të specifikuar sipas ofertës.

16.2 "CES Enivironmental Services Inc" mban përgjegjësinë për sigurimin e te gjithë dokumentacionit te nevojshëm për transportimin e materieve jashtë vendit .

17. "CES Enivironmental Services Inc" nuk mban përgjegjësi ndaj importuesit te kësaj materie për transportimin e saj .

Ministria e Mjedisit dhe Planifikimit Hapësinor

Arben Çitaku
Drejtor i Dep. te Prokurimit

Nënshkrimi dhe vula

Data: 26.08.2008
Vendi: Prishtinë

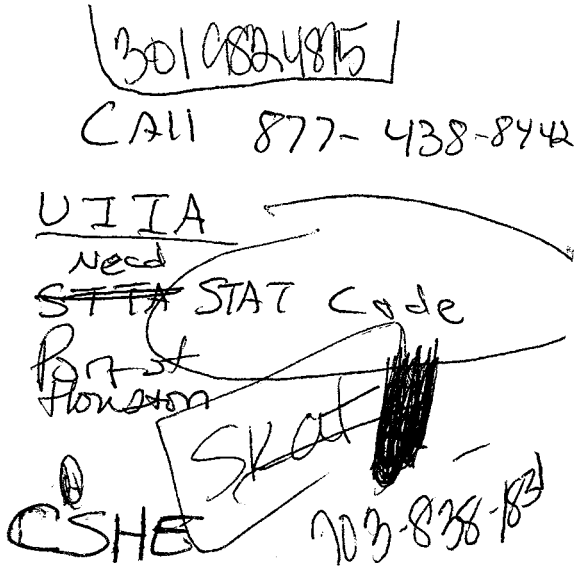
"CES Enivironmental Services Inc "

Ramiz Tafilaj
Vice President - International Business

Nënshkrimi

REPUBLIKA E KOSOVËS - REPUBLIKA KOSOVA - REPUBLIC OF KOSOVO

EPAHO088002417



3019824815

CALL 877-438-8442

UIIA

Need

~~STTA~~ STAT Code

Port of Houston

SKat [redacted]

CSHE

703-838-183

E hënë, 25 gusht 2008

Qeverisë së Republikës së Kosovës

Ministrisë së Mjedisit dhe Planifikimit Hapësinor

Rr. Nazmi Gafurri nr. 31

10000 Prishtinë,

Kosovë

OFERTË

PËR LARGIMIN E MBETURINAVE TË RREZIKSHME

Mbështetur në njoftimin tuaj për kontratë për asgjësimin (largimin) e materieve të rrezikshme nga tri maunat, nr. i prokurimit 210/08/031/214, datë 22.07.2008, si dhe analizat e institutit INKOS nga Kastrioti, nr. 914, firma CES Environmental Services, Inc. në Hjuston, Teksas, paraqet ofertë për kryerjen e punëve në fjalë. Oferta për punë bëhet duke marrë për bazë analizat e mëposhtme (në anglisht sipas origjinalit), duke shtuar këtu edhe prezencën e përgjithshme të halogjenëve.

SPECIFIC GRAVITY(API).....0.95 t0 1.05

VISCOCITY .....1.0 TO 3.5 CST

FLASH POINT .....30 °C TO 40 degrees °C

FREEZING POINT ..... -35 °C TO -10 degrees °C

WATER CONTENT ..... .1 wt % to 5 wt %

SULFUR CONTENT ..... 5 wt % to 30 wt %

ASH CONTENT ..... .0001 wt % to .001 wt %

TOTAL ORGANIC HALOGENS ..... 0 wt % to .001 wt %

Informata mbi prapavijën

Statusi i autoritetit kontraktues:

CES Environmental Services, Inc. është organizatë shumëkombëshe me klientë nga vende të ndryshme të botës. Punëtoritë e CES-it, të licencuara nga Komisioni për Cilësi të Ambientit të Teksasit (TCEQ), bëjnë përpunimin e mbeturinave, të rrezikshme e të parrezikshme, mbeturinave të ngurta e të lëngëta, ofrojnë pajisje për distilim, pastrim të

EPAHO088002419

cisternave, lehtësira laboratorike dhe pajisje për përpunimin e fuçive. CES është transportues i regjistruar për kryerjen e këtyre punëve dhe u ofron shërbime industrive të vogla dhe të mëdha në bregun e Gjirit të Meksikës që përfshin Teksasin, Luizianën dhe qytetin e Hjustonit, por edhe më gjerë në SHBA dhe shtetet tjera të botës. CES Environmental Services u themelua më 1999. Punishtja e ndodhur në Hjuston me sipërfaqe prej 3,5 hektarësh u ble në vitin 2002.

Në gjashtë vitet e fundit, CES ka përjetuar rritje të madhe në staf dhe profit. CES ka lidhur marrëveshje partneriteti me qytetin e Hjustonit për paratrajtimin e mbeturinave. Në rast se paratrajtimi nuk do të bëhej do të paraqitej një dëm serioz për trajtimin e mbeturinave që kryhet nga qyteti.

CES gjithashtu është e specializuar për restaurimin dhe ripërdorimin e komoditeteve të vlefshme, prodhimeve të papërdorura, vajrave të përdorur dhe materieve jashtë vlerave normale analitike sikurse hidrokarburet e lehtësuara, glikolet, aminet, acidet, kaustikët, sulfuri dhe petrokemikalet e tjera. Mundësitë tona të sofistikuara për rigjenerim petrokimik, të përcjella nga trajtimi fiziko-kimik, na mundësojnë që të nxjerrim nënprodukte shtesë të dobishme, të cilat vihen në dispozicion për ripërdorim. Ne përdorim një sistem të osmozës reverse, si dhe proceset e distilimit standard dhe distilimit në vakuum në rigjenerimin e materieve të vlefshme të riciklueshme.

Kompania operon brenda një bashkësie vlerash themelore që identifikon jo vetëm parimet tona, por gjithashtu mënyrën se si bëjmë biznes. Ne zhvillojmë biznes përmes një **përkushtimi të papërkulshëm ndaj të gjitha palëve**: klientëve tanë, njerëzve tanë, komunitetit dhe gjithë agjencive rregulluese që mbikëqyrin punimet tona.

CES qëndron fleksibile dhe e përgjegjshme ndaj nevojave të klientëve. Jemi skajshmërisht krenarë për përmbushjen e përkushtimeve tona në mënyrë etike, të besueshme, të sigurt e profesionale. Duke riinvestuar në biznes, CES ka arritur një zgjerim të madh në fushën e veprimtarisë dhe linjave të shërbimit. Jemi afër lëshimit në punë të një punishte të dytë në Port Arthur, Teksas me sipërfaqe prej 5,7 hektarësh. Të hyrat e kombinuara për 2006-2007 qëndrojnë në 50 milionë dollarë amerikanë, ndërsa riinvestimet në biznes kapin shumën e mbi 14 milionëve. Aktualisht, në korrik 2008, CES ka të punësuar 150 individë.

Projektet e tashme dhe të mëparshme:

CES trajton një sasi prej afro 50 kamionësh në ditë me materie të rrezikshme e të parrezikshme në punishtet e veta në Port Arthur dhe Hjuston, Teksas. CES ka përfunduar disa projekte shumëmilionëshe në vend dhe jashtë. Klientët tanë përfshijnë shumë prej 500 kompanive fatlume, më të mëdhatë e botës, si dhe një mori kompanish të vogla e të mesme. Klientët tanë përfshijnë Citgo, ExxonMobile Chemical, RasGas, Lubrizol, General Electric etj. Së fundmi, CES është shpërblyer me çmimin prestigjioz

EPAHO088002420

"Keeping America Strong" (Mbajmë Amerikën të fortë) për kontributin e gjithëmbarshëm në ekonomikë amerikane.

Objektivat e kontratës dhe rezultatet që priten

Objektivat e përgjithshme

Në përgjithësi, synojmë të zbusim rreziqet e mundshme ndaj shëndetit të popullatës dhe ambientit, që mund të shkaktohet nga kompozime organike me sulfur të stacionuara në Republikën e Kosovës.

Objektivat specifike

Në veçanti, kemi për qëllim të ofrojmë në mënyrë të sigurt paketimin, transportimin, largimin, dhe përpunimin e materieve të rrezikshme të vendosura në 3.411 bidonë me nga 17 litra. Bidonët e plastikës duhet të shpërlahen me dizel, shkatërrohen përmes grirjes dhe të groposen me qëllim izolomi të plotë nga publiku.

Supozimet dhe rreziqet

Plani operativ për intervenim

CES do të mbështetet në personelin e vet për mbikëqyrje dhe kryerje të punës. Ndihmës të trajnuar vendorë do të punësohen sipas nevojës. CES nuk beson se do të ketë nevojë për ndonjë ndihmë veç atyre të sipërcekura gjatë largimit të rrezikut që shoqëron këtë projekt. Megjithatë, para kryerjes së punimeve, CES do të njoftojë të gjitha autoritetet lokale rreth rreziqeve të mundshme nga ky material dhe do t'i informojë para fillimit të punës në rast emergjence.

CES poashtu ofron planin e plotë operativ për intervenim, të cilin mund ta gjeni në bashkëngjitje të kësaj kontrate.

Analiza e rrezikut

Rreziqet parësore të mundshme në këtë projekt kanë të bëjnë me shëndetin dhe sigurinë. Rreziku kryesor gjatë punës me këtë lloj materiali buron nga fakti se sulfiti i hidrogjenit mund të ndodhet në material. Një rrezik i dytë paraqitet nga mundësia e zjarrit ose shpërthimit, meqë ky lloj materiali ka pikë të ulët ndezjeje dhe ka përmbajtje të lartë organike që ndizet lehtë dhe ngërthen sasi të madhe të energjisë. CES është e kualifikuar për t'u marrë me këtë lloj materiali. Për të zvogëluar ekspozimin ndaj H_2S, CES do të minimizojë hapjet e kontejnerëve në të cilët do të konsolidohet materiali. Një gyp që çon ajrin e ndotur nga bidoni i posazbrazur në një bidon tjetër do të përdoret për mbledhjen e këtij ajri. Kur bidoni mbushet ajri do të lirohet në natyrë përmes një filtri i cili do ta minimizojë ndotjen. Kjo metodë do të përdoret për të zhdukur shumicën e ajrit të zhvendosur gjatë ngarkimit. Ekspozimi i organeve pamore dhe frymëmarrëse ndaj kundërmimit të disulfitit do të minimizohet me përdorimin e respiratorëve për acide organike për krejt fytyrën. Gjithashtu, e tërë puna do të kryhet në ajër të hapur për të

EPAHO08800242

mënjanuar çdo ekspozim të mundshëm ndaj punëtorëve. Personat që janë më afër materies do të jenë të pajisur me teknikë të posaçme për frymëmarrje. Njëherësh, CES do të sjellë monitorë të nevojshëm të sulfitit të hidrogjenit për të kontrolluar nivelin e ekspozimit të punëtorëve. Për të pamundësuar rreziqet e zjarrit, çdo kontejner konsolidues do të vendoset në tokë, shenjat për ndalimin e duhanit do të vendosen, si dhe veglat e përdorura do të jenë nga tunxhi dhe nuk ashkëlojnë.

Fushëveprimi i punës së kontratës

Aktivitetet e përgjithshme dhe speciale

CES do të sigurojë kontejnerët sipas standardeve ndërkombëtare ISO (specifikat e tyre janë të bashkangjitura), në të cilët do të derdhet materiali nga bidonët.

Çdo bidon 17 litërsh do të zbrazet në njërin nga tre kontejnerët që do të sigurohen nga CES. Pas konsolidimit, secili kontejner do t'i nënshtrohet shpëlarjes bazik. Bidonët do të transportohen më pas për grirje dhe groposje në varreza sanitare. Pasi të jenë mbushur, kontejnerët ISO do të testohen dhe analizohen me përpikëri për të siguruar analizat e duhura, kodimin dhe afishimin për bartje. Kontejnerët do të dërgohen në njërin nga portet detare në afërsi të Kosovës për t'u nisur për në Shtetet e Bashkuara për tu përdorur si lëndë e parë në proces kimik.

Logjistika dhe koha

Vendi

Punimet bazë do të kryhen në Mitrovicë, Kosovë, saktësisht në ambientet ku maunat janë të vendosura. Ndërsa përdorimi si lëndë e parë në proces kimik do të bëhet në SHBA.

Data e fillimit dhe periudha e ekzekutimit

Fillimi i punimeve të pritet jo më shumë se 30 ditë pas shpalljes së fituesit, meqë duhet kohë e mjaftueshme për kompletimin e logjistikës në Kosovë. Ndërkaq, puna në Mitrovicë do të kryhet brenda tetë (8) ditëve, pas arritjes së ISO kontejnerëve dhe pajisjeve tjera të nevojshme.

Kërkesat

Personeli

CES do të sigurojë një menaxher të projektit dhe dy teknikë të certifikuar për punë me materie të rrezikshme (hazmat).

Vendosja në zyrë

Gjatë kryerjes së punëve, përfaqësuesit e CES-it mund të kontaktohen në këtë adresë në Kosovë: Rr. Enver Maloku nr. 110, 10060 Prishtinë; ose në numrat e telefonit 044/377-721, 044/812-060 ose +1 281 300 5322 (nr. tel. Hjuston).

Pajisjet

CES do të sigurojë gjithë pajisjet personale mbrojtëse, traktorët transportues, takëmet për rimorkio, 3 kontejnerë ISO 24.000 litërsh, legen dhe tretje shpërlarëse për bidonët, pajisjet për monitorimin e H_2S, vegla të ndryshme, gypa për shpërndarje të avullit, hinka për produktin, platforma punuese dhe të sigurta për punëtorët që kryejnë punën me kontejnerë ISO.

Siguria e cilësisë

Raportet

Raporte analitike të materialit do të përgatiten bashkë me raportin për dokumentimin e progresit dhe përfundimin e punës.

Monitorimi dhe vlerësimi

CES do të angazhohet bashkërisht me ministrinë për një zgjedhje të drejtë.

CES paraqet këtë propozim duke ofruar përparësi ekonomike, kohore dhe praktike në përputhshmëri me kriteret e specifikuara në dosjen e tenderit.

Me respekt,

Ramiz Tafilaj
Nënkryetar

4904 Griggs Rd. — Houston, TX 77021
Tel: +1 281 300 5322 — rtafilaj@cesenvironmental.com

EPAHO088002423

APENDIKS: PLANI OPERATIV PËR INTERVENIM

Ne nuk njohim zgjidhje tjetër veç bartjes së këtij materiali nga Kosova në një vend tjetër ku mund të trajtohet dhe përdoret si lëndë e parë në proces kimik.

CES Environmental Services, Inc. do bëjë ripaketimin, largimin dhe përpunimin e vajit disulfit sipas analizave të mëparshme.

Kemikale shqetësuese janë sulfiti i hidrogjenit dhe komponimet organike të sulfurit/merkaptanet. Këto mund të jenë të rrezikshme nëse nuk menaxhohen me përpikëri.

Në vendpunim nuk guxon të ndodhet asnjë burim ndezjeje. Hapësira duhet të jetë e përshtatshme për lirimin e mundshëm të avullit H_2S, si dhe duhet të jetë e liruar nga njerëzit e pakualifikuar për punë.

Ne do të njoftojmë të gjitha autoritetet që mund të marrin pjesë në raste emergjente.

Në rastin më të rëndë, ndotja nga kemikalet mund të përfshijë 152,4 metra (500 ft). Ndërkaq, rreziku më i madh në rast zjarri ose shpërthimi prek hapësirën deri në 500 metra. Zjarrfikësit vendorë do të kontaktohen për ndihmë.

Në rast të derdhjes së materialit ai do të fshihet menjëherë dhe do të vendoset në bidonë për groposje në deponitë vendore.

Kontejnerët ISO do të certifikohen me:

(1) MSDS (Material Safety Data Sheet – Fletëza e të dhënave të sigurisë së materialit)

(2) Bill of Lading – Kartela e ngarkimit

(3) Certificate of Origin – Certifikata e prejardhjes

(4) Certificate of Quantity – Certifikata e kuantitetit

(5) Certificate of Quality – Certifikata e cilësisë

(6) Cargo Manifest – Polica e ngarkesës

(7) ISO Tank Inspection Certificate – Certifikata e inspektimit të kontejnerit ISO

(8) Packing Certificate – Certifikata e paketimit

(9) Loading Instruction – Instruksionet e ngarkimit

(9) Loading Terminal Timesheet – Kohëzgjatja e ngarkimit në terminal.

(10)ISO kontejnerët do të jenë të kenë shënimet e nevojshme për identifikim dhe kujdes (PLACARD)

Klima atmosferike është në rregull, megjithëse temperatura më të ulët janë më të përshtatshme.

Vëzhgimi vizual do të kryhet për t'i ikur rrezikut të ndotjes së mundshme të dheut dhe ujit. Monitorët e ajrit do të përdoren për të zbuluar H_2S përreth dhe në afërsi të vendpunimit.

Takime pranë vendpunimit do të zhvillohen në fillim të secilës ditë të punës me punëtorët në terren. Për autoritetet lokale do të ofrojmë trajnim sipas kërkesave para fillimit të punës.

Që të minimizohet koha nga afërsisht 30 në 10 ditë kërkojmë 15 mijë euro më shumë për të mbuluar shpenzimet e transportit të mjeteve teknike me aeroplan.

EPAHO088002424

Republika e Kosovës
Republika Kosova-Republic of Kosovo
Qeveria - Vlada - Government

Ministria e Mjedisit dhe Planifikimit Hapësinor
Ministarstvo Sredine i Prostornog Planiranja
Ministry of Environment and Spatial Planning

Zyra e Sekretarit të Përhershëm / Kancelarija Stalnog Sekretara / Office of the Permanen Secratary.

PROTOKOL – Pranim -dorëzimit të 3-maunave

Datë: 26/08/2008 / ora 13°°
Mitrovicë

Pas marrëveshjes dhe Kontratës së bërë ndërmjet kompanisë CES Environmental Servicees, Inc. dhe MMPH, lidhur me trajtimin dhe largimin e tretjes nga Tre – maunat në PIM-Trepçë, bëhet pranim dorëzimi i mallit nga kompania Eko-centar te kompania CES Environmental Servicees, Inc. - Houston-USA.

Gjendja teknike e mallit të ngarkuar në tri maunat është si më parë, zakonisht kundërmon erë e rëndë dhe tani për momentin nuk ka rrjedhje të lëngut.

Prej këtij momenti kompetencat për mallin në mauna barten te kompania CES Environmental Servicees, Inc. dhe tani e tutje kompania Eko-centar nuk bartë kurrfarë përgjegjësie lidhur me mallin në mauna.

Dorëzon:	Pranon:	Vërtetoi:
Eko-centar	CES - Environmental Services, Inc.	MMPH
Përf. Albert Mirdita	Ramiz Tafilaj	Enver Jahiri

Republika e Kosovës
Republika Kosovo-Republic of Kosovo
Qeveria -Vlada-Government

z. Nazmi Mikullovci
Menaxher i Trepçës

Prishtinë, 13 Gusht 2008

I nderuar z. Mikullovci,

Bazuar ne vendimin e Qeverise nr. 07/27 te dt. 16.07.2008 kërkojmë nga menaxhmenti i Trepçës të aprovojë asgjësimin e "vajit disulfurik" në ish-kompleksin e Elektrolizës së Zinkut, përkatësisht në repartin e zinkpluhur-zinkoksidit e cila ndodhet në administrim të ndërmarrjes Trepça. Për më tepër, kërkoj nga ju dhe nga i tërë stafi teknik që të vënë në dispozicion dijen dhe punën e tyre për të përfunduar asgjësimin e kësaj materie në mënyrë efikase dhe të sigurt.

Mahir Yagcilar	Lutfi Zharku	Zenun Pajaziti
Ministër i Mjedisit dhe Planifikimit hapësinor	Ministër i Tregtisë dhe Industrisë	Ministër i Punëve të Brendshme

Prania
me 14.08.2008

EPAHO088002426

CES Environmental Services, Inc.

E mërkurë, 30 korrik 2008

VËRTETIM

Firma CES Environmental Services, Inc. vërteton se **Getoar Mjeku** nga Prishtina, nr. personal *1171478690,* është përfaqësues i saj zyrtar dhe është i autorizuar për përmbushjen e detyrave që mund të paraqiten gjatë veprimtarisë së firmës në Republikën e Kosovës.

CES Environmental
4904 Griggs Rd.
Houston, TX 77021
713-676-1460

Ramiz Tafilaj
nënkryetar

Kosovo folder

TRITON OVERSEAS TRANSPORT, INC

BILL OF LADING

SHIPPER/EXPORTER (COMPLETE NAME AND ADDRESS)
CES ENVIRONMENTAL SERVICES, INC
4904 GRIGGS RD
HOUSTON, TX 77021
TEL.:713 800-7913

BOOKING NO. HOU347837
BILL OF LADING NO. 20081289

EXPORT REFERENCES
ZWL: 3833791

CONSIGNEE (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

FORWARDING AGENT/ FMC NO.
ZIMMER WORLDWIDE LOGISTICS, INC
15710 JFK BLVD, SUITE 575
HOUSTON, TX 77032-2350

NOTIFY PARTY (COMPLETE NAME AND ADDRESS)
RAMIZ TAFILAJ
TEL: 37744812060 / 281-300-5322
TREPCA
MITROVICA, KOSOVO

POINT AND COUNTRY OF ORIGIN
TEXAS , US

TO OBTAIN DELIVERY CONTACT
ECU - GREECE (THESSALONIKI)
10B, DODEKANISOU STR.
THESSALONIKI 54626 GREECE
TEL: 30 2310 55 59 07/8 / FAX: 33 2310 55 43 24

PLACE OF INITIAL RECEIPT

VESSEL VOY FLAG
MSC STELLA 2R

PORT OF LOADING
HOUSTON, TX, US

PROOF

PORT OF DISCHARGE
THESSALONIKI,GR

FOR TRANS-SHIPMENT TO

ROUTING INSTRUCTIONS HOUSE TO HOUSE

MKS. & NOS./CONT. NOS.	NO. OF PKGS.	DESCRIPTION OF PACKAGES AND GOODS in Schedule B detail	GROSS WEIGHT	MEASUREMENT
BSSL2689009 62176	1x20SO	SHIPPER OWNED CONTAINER SAID TO CONTAIN TOOLS,GENERATORS,GASKETS,HOSES, FILTERS,CCORDS,COMPRESSOR,PUMPS AND RELATED ARTICLES FOR RETURN TO THE U.S. AFTER REPAIRS NO SED REQUIRED AES ITN: X20080909053219	2500.00K 5512.00L	

FREIGHT PREPAID

THESE COMMODITIES, TECHNOLOGY, OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

FREIGHT RATES, CHARGES, WEIGHTS AND/OR MEASUREMENTS

SUBJECT TO CORRECTION	PREPAID	COLLECT
OCEAN FRT	2875.00	
SO SURCHGE	800.00	
TOTAL PREPAID	$3,675.00	
TOTAL COLLECT		

Received by Carrier for shipment by ocean vessel between port of loading and port of discharge, and for arrangement or procurement of pre-carriage from place of receipt and on-carriage to place of delivery, where stated above, the goods as specified above in apparent good order and condition unless otherwise stated. The goods to be delivered at the above mentioned port of discharge or place of delivery, whichever applicable, subject always to the exceptions, limitations, conditions and liberties set out on the reverse side hereof, to which the Shipper and/or Consignee agree to accepting this Bill of Lading.

IN WITNESS WHEREOF three (3) original Bills of Lading have been signed, not otherwise stated above, one of which being accomplished the others shall be void.

By JENNA TURNER

DATED AT HOUSTON, TEXAS NO. OF ORIGINALS 3

TRITON OVERSEAS TRANSPORT INC AS THE CARRIER - OTI # 13078N

B/L NO.	MO	DAY	YEAR
20081289	September	14	2008

Jennifer Rust

From: Matt Bowman
Sent: Friday, September 26, 2008 11:28 AM
To: Jennifer Rust; Ryan Thomas
Subject: FW: Kosovo - to Houston / Disulfide Oil

Please print the correspondence for the Kosovo job file if you do not already have it

---

From: Ramiz Tafilaj
Sent: Thursday, August 28, 2008 4:39 PM
To: Knut Scharning; Matt Bowman
Subject: RE: Kosovo - to Houston / Disulfide Oil

i accepte for 3X10,500= 31,500 it is exselent from Kosovo to Houston

---

From: Knut Scharning [knutsolo@sbcglobal.net]
Sent: Thursday, August 28, 2008 12:17 PM
To: Matt Bowman; Ramiz Tafilaj
Subject: RE: Kosovo - to Houston / Disulfide Oil

3 x 10,500
Think about it

Knut A. Scharning
Gulf Stream Tanker Chartering

From: Matt Bowman [mailto:mbowman@cesenvironmental.com]
Sent: Thursday, August 28, 2008 1:14 PM
To: Knut Scharning; n.haubrich@cesenvironmental.com; Greg Bowman; Ramiz Tafilaj
Subject: RE: Kosovo - to Houston / Disulfide Oil

Knut, is this for all 3 containers?

From: Knut Scharning [knutsolo@sbcglobal.net]
Sent: Thursday, August 28, 2008 10:31 AM
To: n.haubrich@cesenvironmental.com; Greg Bowman; Matt Bowman; Ramiz Tafilaj
Subject: FW: Kosovo - to Houston / Disulfide Oil

To CES

Pls look at the below offer from Hoyer

Have just spoken with Ramiz and he has accepted same and I will confirm we are going to run with it

Need CES to fill out the form which was sent yesterday and returned today the sooner the better

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Yuliana Martinez [mailto:yuliana.martinez@hoyer-global.com]
Sent: Thursday, August 28, 2008 9:51 AM
To: Knut Scharning
Cc: Mark Reader
Subject: RE: Kosovo - to Houston / Disulfide Oil

Hello Knut,

I received a rate to offer you from our Rotterdam office. Please see our following offer:

Q# 76397
Rate: $10, 500.00
Terms: Door Metrovitza, Kosovo, TY to Pier Houston, TX (via Istanbul)

Product: Disulfide Oil (Subject to MSDS)

Rate includes:
- Demurrage: 7 free days at 50 per day therafter.
- For oncarriage 1 day free for loading is included Euro 200,00 per day thereafter
- Transit formalities at Istanbul customs, included
- Temporary import fee included
- Local port charges included
- THC both sided included.
- Based on standard terms and conditions.

We are very interested in your feedback please let me know what you think. Also, please note Turkey was offered because this is where we have the most tank avaialbility. We might have tanks available via Greece but it is not certain at this time and might be a little more expensive.

Thank you for your request and have a great day!

REgards,

Yuliana Martinez
Sales and Marketing
Hoyer-Global (USA), Inc.
(281) 853-1011
yuliana.martinez@hoyer-global.com

From: Yuliana Martinez
Sent: Wednesday, August 27, 2008 4:05 PM
To: Jacko van der Hoek; 'Knut Scharning'
Cc: Stephan Berkman
Subject: RE: Kosovo - to Houston / Disulfide Oil

Dear Knut,

Good Morning. I am sending a credit agreement page attached. We will need this completed and returned inorder to proceed with the below scheduled load.

Thank You,

Yuliana Martinez

Sales and Marketing
Hoyer-Global (USA), Inc.
(281) 853-1011
yuliana.martinez@hoyer-global.com

From: Jacko van der Hoek
Sent: Wednesday, August 27, 2008 7:52 AM
To: Yuliana Martinez
Cc: Stephan Berkman
Subject: FW: Kosovo - to Houston / Disulfide Oil

Hi Yuliana,

We are in contact with SBC Global about shipping three containers ex Kosovo to Houston.
Do you know this company and are they in the system (credit checked).

In case they want to book, the first container needs to be loaded on September 15th.

Thanks for your advise.

Kind regards,

Jacko van der Hoek
HOYER Global Transport B.V.

From: Jacko van der Hoek
Sent: Wednesday, August 27, 2008 2:33 PM
To: 'Knut Scharning'; Stephan Berkman
Subject: RE: Kosovo - to Houston / Disulfide Oil

Dear Knut,

This morning we spoke with our agents in Greece and Turkey and exlained them the urgency of this request.
We hope we have all details ready to send you our offer by tomorrow.

Kind regards,

Jacko van der Hoek
HOYER Global Transport B.V.

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Wednesday, August 27, 2008 1:58 PM
To: Stephan Berkman
Cc: Jacko van der Hoek
Subject: FW: Kosovo - to Houston / Disulfide Oil

Stephan Berkman, Hoyer

I am sending again all details to Hoyer
Hoping to have a firm quote in hand this Latest tomorrow

Pls see earlier communication with your colleagues below

In addition I have been talking to Jacko van der Hoek

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
828 Heights Blvd.
Houston Texas, 77007
USA

Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Wednesday, August 20, 2008 4:58 PM
To: 'Andy Slagtand'
Subject: RE: Kosovo - to Houston / Disulfide Oil

Andy Slagtand, Hoyer Rotterdam

Howdy

This project has come back to live

And we are keen to work on this again
Can you bring the tanks to the border of Kosovo or pick it up at destination if we provide guided escort in and out of Kosovo and you bring it to your best and closest port for transport to Houston

Have attached a MSDS and the old Offer

Pls what you can do and then I will call you before 0900 Houston time (R'dam +7 hours)

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Andy Slagtand [mailto:Andy.Slagtand@Hoyer-Global.com]
Sent: Thursday, July 17, 2008 10:18 AM
To: Knut Scharning
Subject: RE: Kosovo - to Houston

Knut,

How many days you think you need to load in Kosovo ?
Or better said: in how many days you would be able to load, after we have released the tank in Istanbul to you and you bring ot back to pier Istanbul, also take in consideration the customs formalities ?

rgs,
Andy Slagtand

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Thursday, July 17, 2008 4:13 PM
To: Andy Slagtand
Subject: RE: Kosovo - to Houston

Andy

This is the Product analysis on the di sulfide oil

SPECIFIC GRAVITY(API)..... 37
DENSITY 15C..... 1.040 g/ml
BASIC SALT WATER (BSW)..... 0.6%
COLOUR..... green
SALANITY PTD ATO..... 10%
BS&W 47 MAX
ACID NUMBER..... 0.39
REID WAPOUR..... 6.52
MAX WATER & SEDIMENT % MAX..... 0.01
IRON, WT PPM..... 1.0
VANADIUM WT PPM..... 2.0
NICKEL WT PPM..... 4.0
POUR POINT..... BELOW 19 Degree F
SULPHUR..... 25.87
SEDIMENT CONTENT..... 0.14

Hopefully this will do the trick
Awaiting your firm Quote

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Andy Slagtand [mailto:Andy.Slagtand@Hoyer-Global.com]
Sent: Tuesday, July 15, 2008 10:41 AM
To: Knut Scharning
Cc: Yuliana Martinez; Andy Slagtand
Subject: RE: Kosovo - to Houston

Dear Knut,

What I have in mind now is to do this over Istanbul (Turkey), where we have tanks available.

The plan is then to release the tankcontainer(s) to you ex Istanbul. You take care of the loading in Kosovo and drop the loaded tankcontainer(s) back at pier Istanbul, from where we will ship the tanks to Houston. All customs formalities to be arranged by you (or supplier).

Just spoke with our office in Turkey who has to supply me with some details in order to make the calculation. They told me that this might take some days (maybe 1 or 2).

In the meantime, can you please send me the complete MSDS for the product ?

Thanks.

With kind regards,

Andy Slagtand
HOYER Global Transport BV

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Tuesday, July 15, 2008 4:33 PM
To: Andy Slagtand
Subject: Kosovo - to Houston

Re : 3 ea ISO Tank Containers move from Kosovo to Houston

As Per our telcon today

Could you pls advise full price quote for the following product from

AAA)
- The best served port below

Load Port : one of the following ports
AA. - Bari in Montenegro
BB. – Dulce in Albania
CC. - Thessaloniki in Greece

BBB)
- Door to Door

Origination :
TREPCA Plant in the city of Mitrovitsa, KOSOVO,
Product will move from Plant to Receivers Location in Houston
product to be moved

Product : Di Sulfide Oil
Volume : 60,000 Liter
Timing : Next available

This is a oil sludge product - will need Stainless Steel container but no special handling instructions
Ambient temperature is fine

Pls quote a Firm price
Awaiting yours

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199

Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

D I S C L A I M E R

All business is subject to:

1) Combicon conditions, containing a jurisdiction clause electing the District Court of Rotterdam as the competent forum, will be applicable in case a HOYER Global Transport Bill of Lading will be issued,

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HOYER Global Transport B.V.,
Boyleweg 6,
3208 KA-Spijkenisse - The Netherlands
P.O. Box 15, 3200 AA - Spijkenisse - The Netherlands
Telephone: +31 (0) 181 691 600
Fax: +31 (0) 181 691 699
VAT NL 001242465B01
Chamber of Commerce Rotterdam Number 2411398

D I S C L A I M E R

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VAT NL 001242465B01
Chamber of Commerce Rotterdam Number 2411398

Jennifer Rust

From: Matt Bowman
Sent: Thursday, September 04, 2008 6:40 AM
To: Jennifer Rust
Cc: Ryan Thomas
Subject: FW: RATE QUOTE - HOUSTON / KOSOVO
Attachments: Power of Attorney.pdf

Importance: High

jenny, please keep for job folder

From: Melisa D. Garza
Sent: Wednesday, September 03, 2008 3:10 PM
To: Robin Hammer
Cc: Kristin Schooler; Ramiz Tafilaj; ramiz@tafilajgroup.com; Matt Bowman; Greg Bowman; Steve Stricker; Melisa D. Garza
Subject: RE: RATE QUOTE - HOUSTON / KOSOVO

Hello Robin,

I have attached the Power of Attorney Form and will mail out the original to:

Zimmer Worldwide Logistics Inc.
15710 JFK Blvd., Suite 575
Houston, Texas 77032
Attn: Peggy Zimmer

The Address to pick up the Container is:

4904 Griggs Road
Houston, Texas 77021

The Truck Driver will bring a Seal so that we can close the Container before loading it on the flatbed, correct? Please let me know when the Truck Driver is scheduled to come and pick up the Container.

The Consignee's Information is below:

Ramiz Tafilaj
Trepca
Mitrovica, Kosovo
281-300-5322
37744812060

The Invoice will be sent to:

CES Environmental Services, Inc.
4904 Griggs Road
Houston, Texas 77021

Please let me know if you have any questions.

Thank you,

Melisa D. Garza
CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021
713-676-1460 Ext. 126 (Office)
832-646-8111 (Mobile)
713-676-1676 (Fax)

From: Robin Hammer [mailto:rhammer@zimmerworldwide.com]
Sent: Wednesday, September 03, 2008 2:00 PM
To: Melisa D. Garza
Cc: Kristin Schooler
Subject: FW: RATE QUOTE - HOUSTON / KOSOVO
Importance: High

Melissa,

Here's the power of attorney attachment... The booking details:

Vessel: MSC Carouge V. 09R
Booking# Bkg# HOU347837
Cutoff: 9/5/08
ETS: 9/10/08
ETA: 10/10/08

**Melissa - please give us your complete address as well as the consignee's full address so that we can input all the details and print out the dock receipt. Or you can forward the invoice if it has the info on it as we will need the value to file with Customs. Whichever you prefer...the sooner the better since it's Wed and they're all trying to get the week finished up. Thanks!

Kind regards,

Robin R. Hammer

Zimmer Worldwide Logistics, Inc.
15710 JFK Boulevard, Suite 575
Houston, Texas 77032
Tel: 832-300-5920
Direct: 832-300-5907
Cell: 281-827-8485

"The best way to get what you're looking for is to slow down and allow yourself to find it."

From: Robin Hammer
Sent: Friday, August 29, 2008 4:30 PM
To: 'Melissa Garza (mgarza@cesenvironmental.com)'; 'Steve Stricker (sstricker@cesenvironmental.com)'
Cc: 'rtasilaj@cesenvironmental.com'; 'mbowman@cesenvironmental.com'

Subject: FW: RATE QUOTE - HOUSTON / KOSOVO
Importance: High

Hello all,

We thank you for the booking and will foward complete details upon receipt of booking confirmation. Have attached a blank power of attorney, which please complete and fax or email back. You can send the original via regualr mail. Have checked other ports to see if we could get a faster vessel, but had no luck...

Kind regards,

Robin R. Hammer

Zimmer Worldwide Logistics, Inc.
15710 JFK Boulevard, Suite 575
Houston, Texas 77032
Tel: 832-300-5920
Direct: 832-300-5907
Cell: 281-827-8485

"The best way to get what you're looking for is to slow down and allow yourself to find it."

From: Robin Hammer
Sent: Friday, August 29, 2008 1:05 PM
To: 'Melissa Garza (mgarza@cesenvironmental.com)'; 'Steve Stricker (sstricker@cesenvironmental.com)'
Cc: Bill Blair
Subject: FW: RATE QUOTE - HOUSTON / KOSOVO
Importance: High

Hi Melissa,

Sorry I haven't had time to call you, but with regard to the loading capability, they're asking if you are able to load the container onto the flatbed.

They next available sailing to Bar cuts off on 9/10 @ noon and is scheduled to sail on 9/12 with an ETA Thessaloniki 10/6.

Let me know as space is limited.

Kind regards,

Robin R. Hammer

Zimmer Worldwide Logistics, Inc.
15710 JFK Boulevard, Suite 575
Houston, Texas 77032
Tel: 832-300-5920
Direct: 832-300-5907
Cell: 281-827-8485

"The best way to get what you're looking for is to slow down and allow yourself to find it."

From: Robin Hammer
Sent: Thursday, August 28, 2008 12:52 PM
To: 'Melissa Garza (mgarza@cesenvironmental.com)'; 'Steve Stricker (sstricker@cesenvironmental.com)'
Cc: Bill Blair; Kristin Schooler
Subject: RE: RATE QUOTE - HOUSTON / KOSOVO
Importance: High

Re: 20' Shipper owned container w/tools, generators, accessories
Houston / Thessaloniki

Melissa,

The rate for the above destination is as follows:

$4,275

Oceanfreight		$2,875.00
Shipper container		800.00
Handling/fwdg		150.00
Inland freight		425.00 (flatbed basis)
Courier (if req)	(D)	25.00 (I) $84.01

***Melissa, please confirm your loading capabilities onto the flat bed..Thanks!

This service offers weekly sailings with a 30 day transit time... There is space available for the next sailing, the cargo must be delivered by 9/4, the vessel is currently scheduled to sail on 9/7 with an ETA Thessaloniki.

As soon as I hear back on space situation for Bar, Montenegro, I will let everyone know.

Kind regards,

Robin R. Hammer

Zimmer Worldwide Logistics, Inc.
15710 JFK Boulevard, Suite 575
Houston, Texas 77032
Tel: 832-300-5920
Direct: 832-300-5907
Cell: 281-827-8485

"The best way to get what you're looking for is to slow down and allow yourself to find it."

From: Robin Hammer
Sent: Thursday, August 28, 2008 10:40 AM
To: Melissa Garza (mgarza@cesenvironmental.com); Steve Stricker (sstricker@cesenvironmental.com)
Cc: Bill Blair; Kristin Schooler
Subject: RATE QUOTE - HOUSTON / KOSOVO
Importance: High

Re: 20' Shipper owned container w/tools, generators,accessories
Houston / Kosovo

Steve-Melissa,

We appreciate the opportunity to quote on your cargo and can offer the following for your consideration:

Oceanfreight		$3,200.00
Handling/fwdg		150.00
Inland freight		425.00 (flatbed basis)**
Courier (if req)	(D)	25.00 (I) $84.01

*Insurance available upon advice of value

**This is presuming you can load onto the flatbed...or is the container on it's own chassis?

This service offers weekly sailings with a 27 day transit time.

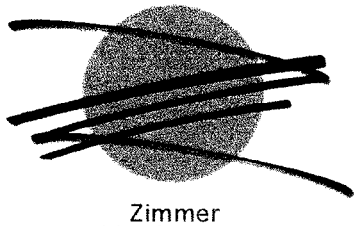
Kind regards,

Robin R. Hammer

Zimmer Worldwide Logistics, Inc.
15710 JFK Boulevard, Suite 575
Houston, Texas 77032
Tel: 832-300-5920
Direct: 832-300-5907
Cell: 281-827-8485

"The best way to get what you're looking for is to slow down and allow yourself to find it."

EPAHO088002440



Zimmer
Worldwide Logistics

I, Greg Bowman, authorize Zimmer Worldwide Logistics Inc.
Exporter(U.S. Principle Party of Interest)

to Act as forwarding agent for export control and customs purposes and to sign any Shipper's Export Declarations (SED), or transmit such export information electronically, which may be required by law or regulation in connection with the exportation or transportation of any merchandise on behalf of said U.S. Principle party of Interest. The U.S. Principle Party of interest certifies that necessary and proper documentation to accurately complete the SED or transmit the information electronically is and will be provided to the said Forwarding Agent. The U.S. Principle Party of Interest further understands that civil and criminal penalties may be imposed for making false or fraudulent statements or for violation of any United States laws or regulations on exportation and agrees to be bound by all statements of said agent based upon information or documentation provided by the exporter to the said agent.

Signature: _____

Federal ID#: 760592985

Capacity: Vice President of Accounting, Finance, Sales, and Administration

Date: 09-03-2008

Please check one of the following:

✓ This is authorization for the following shipment(s) only: BSSL2689009

___ This is authorization for all shipments surrendered to Zimmer Worldwide Logistics

Please submit the original authorization to the following address:

Zimmer Worldwide Logistics Inc.
15710 JFK Blvd., Suite 575
Houston, Texas 77032
Attn: Peggy Zimmer

Jennifer Rust

From: Matt Bowman
Sent: Tuesday, September 02, 2008 4:09 PM
To: Jennifer Rust; Ryan Thomas
Cc: Ramiz Tafilaj
Subject: FW: Kosovo - to Houston / Disulfide Oil

Here is the info. Jenny

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Thursday, August 28, 2008 10:31 AM
To: n.haubrich@cesenvironmental.com; Greg Bowman; Matt Bowman; Ramiz Tafilaj
Subject: FW: Kosovo - to Houston / Disulfide Oil

To CES

Pls look at the below offer from Hoyer

Have just spoken with Ramiz and he has accepted same and I will confirm we are going to run with it

Need CES to fill out the form which was sent yesterday and returned today the sooner the better

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Yuliana Martinez [mailto:yuliana.martinez@hoyer-global.com]
Sent: Thursday, August 28, 2008 9:51 AM
To: Knut Scharning
Cc: Mark Reader
Subject: RE: Kosovo - to Houston / Disulfide Oil

Hello Knut,

I received a rate to offer you from our Rotterdam office. Please see our following offer:

Q# 76397
Rate: $10, 500.00
Terms: Door Metrovitza, Kosovo, TY to Pier Houston, TX (via Istanbul)

Product: Disulfide Oil (Subject to MSDS)

Rate includes:
- Demurrage: 7 free days at 50 per day therafter.
- For oncarriage 1 day free for loading is included Euro 200,00 per day thereafter
- Transit formalities at Istanbul customs, included
- Temporary import fee included
- Local port charges included
- THC both sided included.
- Based on standard terms and conditions.

EPAHO088002442

We are very interested in your feedback please let me know what you think. Also, please note Turkey was offered because this is where we have the most tank avaialbility. We might have tanks available via Greece but it is not certain at this time and might be a little more expensive.

Thank you for your request and have a great day!

REgards,

Yuliana Martinez
Sales and Marketing
Hoyer-Global (USA), Inc.
(281) 853-1011
yuliana.martinez@hoyer-global.com

From: Yuliana Martinez
Sent: Wednesday, August 27, 2008 4:05 PM
To: Jacko van der Hoek; 'Knut Scharning'
Cc: Stephan Berkman
Subject: RE: Kosovo - to Houston / Disulfide Oil

Dear Knut,

Good Morning. I am sending a credit agreement page attached. We will need this completed and returned inorder to proceed with the below scheduled load.

Thank You,

Yuliana Martinez
Sales and Marketing
Hoyer-Global (USA), Inc.
(281) 853-1011
yuliana.martinez@hoyer-global.com

From: Jacko van der Hoek
Sent: Wednesday, August 27, 2008 7:52 AM
To: Yuliana Martinez
Cc: Stephan Berkman
Subject: FW: Kosovo - to Houston / Disulfide Oil

Hi Yuliana,

We are in contact with SBC Global about shipping three containers ex Kosovo to Houston.
Do you know this company and are they in the system (credit checked).

In case they want to book, the first container needs to be loaded on September 15th.

Thanks for your advise.

Kind regards,

Jacko van der Hoek
HOYER Global Transport B.V.

From: Jacko van der Hoek
Sent: Wednesday, August 27, 2008 2:33 PM
To: 'Knut Scharning'; Stephan Berkman
Subject: RE: Kosovo - to Houston / Disulfide Oil

Dear Knut,

This morning we spoke with our agents in Greece and Turkey and exlained them the urgency of this request.
We hope we have all details ready to send you our offer by tomorrow.

Kind regards,

Jacko van der Hoek
HOYER Global Transport B.V.

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Wednesday, August 27, 2008 1:58 PM
To: Stephan Berkman
Cc: Jacko van der Hoek
Subject: FW: Kosovo - to Houston / Disulfide Oil

Stephan Berkman, Hoyer

I am sending again all details to Hoyer
Hoping to have a firm quote in hand this Latest tomorrow

Pls see earlier communication with your colleagues below

In addition I have been talking to Jacko van der Hoek

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
828 Heights Blvd.
Houston Texas, 77007
USA

Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Wednesday, August 20, 2008 4:58 PM
To: 'Andy Slagtand'
Subject: RE: Kosovo - to Houston / Disulfide Oil

Andy Slagtand, Hoyer Rotterdam

Howdy

This project has come back to live

And we are keen to work on this again
Can you bring the tanks to the border of Kosovo or pick it up at destination if we provide guided escort in and out of Kosovo and you bring it to your best and closest port for transport to Houston

Have attached a MSDS and the old Offer

Pls what you can do and then I will call you before 0900 Houston time (R'dam +7 hours)

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Andy Slagtand [mailto:Andy.Slagtand@Hoyer-Global.com]
Sent: Thursday, July 17, 2008 10:18 AM
To: Knut Scharning
Subject: RE: Kosovo - to Houston

Knut,

How many days you think you need to load in Kosovo ?
Or better said: in how many days you would be able to load, after we have released the tank in Istanbul to you and you bring ot back to pier Istanbul, also take in consideration the customs formalities ?

rgs,
Andy Slagtand

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Thursday, July 17, 2008 4:13 PM
To: Andy Slagtand
Subject: RE: Kosovo - to Houston

Andy

This is the Product analysis on the di sulfide oil

SPECIFIC GRAVITY(API)..... 37
DENSITY 15C..... 1.040 g/ml
BASIC SALT WATER (BSW)..... 0.6%
COLOUR..... green
SALANITY PTD ATO..... 10%
BS&W 47 MAX
ACID NUMBER..... 0.39
REID WAPOUR..... 6.52
MAX WATER & SEDIMENT % MAX..... 0.01
IRON, WT PPM..... 1.0
VANADIUM WT PPM..... 2.0
NICKEL WT PPM..... 4.0
POUR POINT..... BELOW 19 Degree F
SULPHUR..... 25.87
SEDIMENT CONTENT..... 0.14

Hopefully this will do the trick
Awaiting your firm Quote

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Andy Slagtand [mailto:Andy.Slagtand@Hoyer-Global.com]
Sent: Tuesday, July 15, 2008 10:41 AM
To: Knut Scharning
Cc: Yuliana Martinez; Andy Slagtand
Subject: RE: Kosovo - to Houston

Dear Knut,

What I have in mind now is to do this over Istanbul (Turkey), where we have tanks available.

The plan is then to release the tankcontainer(s) to you ex Istanbul. You take care of the loading in Kosovo and drop the loaded tankcontainer(s) back at pier Istanbul, from where we will ship the tanks to Houston. All customs formalities to be arranged by you (or supplier).

Just spoke with our office in Turkey who has to supply me with some details in order to make the calculation. They told me that this might take some days (maybe 1 or 2).

In the meantime, can you please send me the complete MSDS for the product ?

Thanks.

With kind regards,

Andy Slagtand
HOYER Global Transport BV

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Tuesday, July 15, 2008 4:33 PM
To: Andy Slagtand
Subject: Kosovo - to Houston

Re : 3 ea ISO Tank Containers move from Kosovo to Houston

As Per our telcon today

Could you pls advise full price quote for the following product from

AAA)
- The best served port below

Load Port : one of the following ports
AA. - Bari in Montenegro

EPAHO088002446

BB. – Dulce in Albania
CC. - Thessaloniki in Greece

BBB)
- Door to Door

Origination :
TREPCA Plant in the city of Mitrovitsa, KOSOVO,
Product will move from Plant to Receivers Location in Houston
product to be moved

Product : Di Sulfide Oil
Volume : 60,000 Liter
Timing : Next available

This is a oil sludge product - will need Stainless Steel container but no special handling instructions
Ambient temperature is fine

Pls quote a Firm price
Awaiting yours

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

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EPAHO088002447

Jennifer Rust

From: Matt Bowman
Sent: Tuesday, September 02, 2008 4:10 PM
To: Jennifer Rust; Ryan Thomas
Cc: Ramiz Tafilaj
Subject: FW: Kosovo - to Houston / Disulfide Oil

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Thursday, August 28, 2008 2:17 PM
To: Matt Bowman; Ramiz Tafilaj
Subject: RE: Kosovo - to Houston / Disulfide Oil

3 x 10,500
Think about it

Knut A. Scharning
Gulf Stream Tanker Chartering

From: Matt Bowman [mailto:mbowman@cesenvironmental.com]
Sent: Thursday, August 28, 2008 1:14 PM
To: Knut Scharning; n.haubrich@cesenvironmental.com; Greg Bowman; Ramiz Tafilaj
Subject: RE: Kosovo - to Houston / Disulfide Oil

Knut, is this for all 3 containers?

From: Knut Scharning [knutsolo@sbcglobal.net]
Sent: Thursday, August 28, 2008 10:31 AM
To: n.haubrich@cesenvironmental.com; Greg Bowman; Matt Bowman; Ramiz Tafilaj
Subject: FW: Kosovo - to Houston / Disulfide Oil

To CES

Pls look at the below offer from Hoyer

Have just spoken with Ramiz and he has accepted same and I will confirm we are going to run with it

Need CES to fill out the form which was sent yesterday and returned today the sooner the better

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Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

From: Yuliana Martinez [mailto:yuliana.martinez@hoyer-global.com]
Sent: Thursday, August 28, 2008 9:51 AM
To: Knut Scharning

Jennifer Rust

From: Matt Bowman
Sent: Tuesday, September 02, 2008 3:59 PM
To: Jennifer Rust; Ryan Thomas
Cc: Ramiz Tafilaj
Subject: FW: Kosovo - to Houston / Disulfide Oil

Jenny, please make a copy of this info. And a job folder....call the folder "Kosovo Government – Disulfide oil project"....Use blue for me!
Thanks,
Matt

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Wednesday, August 27, 2008 7:43 AM
To: Ramiz Tafilaj; Matt Bowman
Subject: FW: Kosovo - to Houston / Disulfide Oil

Ramiz & Mat

Pls see the latest this morning from Hoyer in Rotterdam

Knut A. Scharning
Gulf Stream Tanker Chartering

From: Jacko van der Hoek [mailto:Jacko.Hoek@Hoyer-Global.com]
Sent: Wednesday, August 27, 2008 7:33 AM
To: Knut Scharning; Stephan Berkman
Subject: RE: Kosovo - to Houston / Disulfide Oil

Dear Knut,

This morning we spoke with our agents in Greece and Turkey and exlained them the urgency of this request.
We hope we have all details ready to send you our offer by tomorrow.

Kind regards,

Jacko van der Hoek
HOYER Global Transport B.V.

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Wednesday, August 27, 2008 1:58 PM
To: Stephan Berkman
Cc: Jacko van der Hoek
Subject: FW: Kosovo - to Houston / Disulfide Oil

Stephan Berkman, Hoyer

I am sending again all details to Hoyer
Hoping to have a firm quote in hand this Latest tomorrow

Pls see earlier communication with your colleagues below

In addition I have been talking to Jacko van der Hoek

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Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

This is the Product analysis on the di sulfide oil

SPECIFIC GRAVITY(API)..... 37
DENSITY 15C..... 1.040 g/ml
BASIC SALT WATER (BSW)..... 0.6%
COLOUR..... green
SALANITY PTD ATO..... 10%
BS&W 47 MAX
ACID NUMBER..... 0.39
REID WAPOUR..... 6.52
MAX WATER & SEDIMENT % MAX..... 0.01
IRON, WT PPM..... 1.0
VANADIUM WT PPM..... 2.0
NICKEL WT PPM..... 4.0
POUR POINT..... BELOW 19 Degree F
SULPHUR..... 25.87
SEDIMENT CONTENT..... 0.14

Hopefully this will do the trick
Awaiting your firm Quote

HOYER Global Transport B.V.,
Boyleweg 6,
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P.O. Box 15, 3200 AA - Spijkenisse - The Netherlands
Telephone: +31 (0) 181 691 600
Fax: +31 (0) 181 691 699
VAT NL 001242465B01
Chamber of Commerce Rotterdam Number 2411398

Stolt Tank Containers Ltd.

General specification - 454/2

IMO Type 1 Full Frame Tank
Welfit Oddy Series UTCU 454

Steam heating & Insulation
Bottom Outlet
Provision for Top Outlet
& Vapour return

Technical details

Capacity (Nominal)	24000 Litres	6340 US Gal.
External dimensions		
Length	6058 mm	19ft 10.5ins
Width	2438 mm	8ft 0ins
Height	2591 mm	8ft 6ins
Frame type	Full frame	
Weights		
Tare	4510 kgs	9943 lbs
Maximum Gross	30480 kgs	67197 lbs
Payload	25970 kgs	57254 lbs
Stacking height	9 x 30480 kgs	
Tank material	AISI 316 A240 Stainless Steel.	
Design code	A.S.M.E. viii Div. 1 Pressure vessel code 1 compartment, no baffles.	
Internal finish	Barrel & dome ends, Hot rolled No. 1 finish.	
Weld finish	Smooth even bead or ground flush.	
Tank pressure		
M.A.W.P.	4 bar	58 p.s.i.g.
Test	6 bar	87 p.s.i.g.
Product Temperature		
Maximum	100°C	212°F.
Insulation	45/50 mm polyurethane foam barrel & glass wool ends. Clad with marine grade aluminium.	
Access	Ladder and full walkway to top fittings.	
Heating system	External steam channels on tank underside and one circumferential ring. Dual voltage electrics.	
Effective area	8.0 m^2	86.1 ft^2
Working pressure	3.0 bar	43.5 p.s.i.g.
Test pressure	4.5 bar	65.3 p.s.i.g.
Electrics	220/440v	16Kw

Note The following are optional — please refer to fitting details.
Air inlet pressure gauge FD003, Vapour outlet valve FD004, Top discharge and syphon tube FD005, Bursting disk and manometer FD006, Sealed bottom outlet FD007 (in conjunction with FD005).

Connections and fittings

Manhole	500mm (20 inch) diameter stainless steel 8 point fastening, positioned top center of the tank. Fitted with SWR or PTFE rope gasket.
Airline	38mm (1.5 inch) ball valve terminating in a 1.5" BSP & NPT double outlet.
Top Outlet	Provision for top valve & vapour return valve. Blank flange to suit 80mm (3 inch) butterfly valve & syphon tube.
Bottom Outlet	80mm (3 inch) foot valve with remote closure plus 80mm butterfly valve with a 3" table "D"/ASA flange.
Steam connections	Inlet/outlet 3/4" BSP & NPT male with dust cap.
Dipstick	Captive s/s dipstick mounted in the necking of the manhole. Used in conjunction with a calibration chart alongside the spill box.
Pressure relief	2 pressure/vacuum relief valves (2.5 inch) complete with bursting disk adapters.
Seals/gaskets	All seals contact with the cargo are Silicone/FEP and all gaskets are PTFE.
Approvals	IMO (DOT, UK) IMO 1 CFR (DOT USA) IM 101 ADR European road approval RID European rail approval UIC International rail approval TC Transport Canada rail AAR American rail approval CSC Container safety TIR Customs convention

All drawings and measurements are typical and provided for guidance only. Refer to your STOLT representative for specific tank details. With our policy of continued improvement and engineering progress the company reserves the right to amend specifications without notice.

EPAHO088002451

Jennifer Rust

From: Nancy LaBrozzi [nlabrozzi@zimmerworldwide.com]
Sent: Tuesday, January 06, 2009 5:36 PM
To: Jennifer Rust
Subject: FW: disulfide oil analysis

Importance: High

FYI

Nancy LaBrozzi
VP of Imports and Administration
Licensed Customs Broker
Zimmer Worldwide Logistics, Inc.
832 300-5904
713 854-0308 cell
832 201-7479 Fax
nlabrozzi@zimmerworldwide.com

From: Knut Scharning [mailto:knutsolo@sbcglobal.net]
Sent: Thursday, August 28, 2008 11:10 AM
To: Nancy LaBrozzi
Subject: disulfide oil analysis

This is the Product analysis on the di sulfide oil

SPECIFIC GRAVITY(API)..... 37
DENSITY 15C..... 1.040 g/ml
BASIC SALT WATER (BSW)..... 0.6%
COLOUR..... green
SALANITY PTD ATO..... 10%
BS&W 47 MAX
ACID NUMBER..... 0.39
REID WAPOUR..... 6.52
MAX WATER & SEDIMENT % MAX..... 0.01
IRON, WT PPM..... 1.0
VANADIUM WT PPM..... 2.0
NICKEL WT PPM..... 4.0
POUR POINT..... BELOW 19 Degree F
SULPHUR..... 25.87
SEDIMENT CONTENT..... 0.14

Hopefully this will do the trick
Awaiting your firm Quote

BRGDS
Gulf Stream Tanker Chartering, Llc.
Knut A. Scharning
Phone 713 869 4657 Cell 713 291 0044 Fax 713 862 3199
Email: knutsolo@sbcglobal.net
IM Yahoo: shipknut

1050VD

SGS

Certificate of Analysis

Client :	SGS.OGC.BFCOMMUNITY (SGS.OGC)	Report No :	161228
Product :	Not Specified	SGS File No :	128931
Client Ref :	CES ENVIROMENTAL		

LIMS No :	161228 - 493551	Lab No :	VAPOR BAG
Sample Description :	Sampled by Client. Received by Shipping/Receiving. Contained in plastic bag.		*VAPOR BAG*
Sample Label :	SX ID: 190176-001 CLIENT ID: 0109-43 REPORT TO JRUST@CESENVIRONMENTAL.COM AND KEVIN PERRY PRODUCT IS AIR SAMPLE	Tested On :	1/21/2009

METHOD	TEST	RESULT
ASTM D 5504	Sulfur in Natural Gas by sievers Sulfur Speciation	See Attached

Supervisor : ..... Date : 01/21/2009

Fasih Qazi

This document is issued by the Company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. The Client's attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

Any other holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Precision parameters apply in the determination of above test results. Also refer to ASTM D 3244-97/02, IP 367/96 and appendix E of IP standard methods for analysis and testing for utilization of test data to determine conformance with specifications.

Date printed: 21-Jan-2009

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SGS North America Inc.

Oil, Gas & Chemicals Services 1201 W 8th Street Deer Park TX 77536
TEL: (281) 479-7170 FAX: (281) 479-2734

®DANA CONTAINER, INC.
CLEANING DIVISION
P.O. BOX 150
AVENEL, N.J. 07001
732-750-9100

☐ AVENEL ☑ LA PORTE
☐ BALTIMORE ☐ NITRO
☐ CHARLOTTE ☐ PAULSBORO
☐ DETROIT ☐ SUMMIT
☐ HAMMOND ☐ CRESTWOOD

1532292

PO #: _____

TRACTOR: _____

CUSTOMER: CES

TRAILER: HGTU 940005-8 (type)

ADDRESS: _____

DROP-OFF DRIVER: _____

DATE: 1-26-09

SERVICES	PRODUCT HAULED	WORK ORDERED	WORK PERFORMED	TIME	RATE	CHARGE
Comp I:	Sulfide Oil	00	Detergent Wash			
Comp II:			High Risk Clean			
Comp III:		018	Odor Pre-solve			
Comp IV:						
Comp V:						
Pump:						
Hoses:						
Heel:						
Waste Treatment Surcharge						

Term. Sup. _____

P/U Driver: _____ DATE: _____

Sub-Total	$
Sales Tax	$
Total	$

WORK CODE:

01 Steam & Dry
02 Rinse, Steam & Dry
03 Detergent Wash & Dry
04 Solvent Flush
05 Caustic Wash & Dry
06 Air Dry
07 Dry Bulk Trailer
08 External Trailer Wash
09 External Tractor Wash
10 Valve Pack
11 Steam Internally
12 Steam Coils
13 Pump w/Trailer
14 Pump w/out Trailer
15 Hoses
16 Hand Labor - 2 Men
17 Product Residue
18 Extras

Koppers (Koppers-Somerville)
Trans Only

GB

assigned

EPAHO088002455

Still Loaded. won't be empty for a while per Kevin Hasthcock.
M-23968VB High metals
367628
Koppers

VB 25038
367629

charge
$2015
+ FSC

621 miles (warranty)

char

Customer Special Requests/Requirements

P.O. Required:	☐ Y	☐ N	Fuel Surcharge:	☐ Y	☐ N
4% City of Houston Fee:	☐ Y	☐ N	4-hr Minimum:	☐ Y	☐ N

Job Estimate

	Item	CES Cost	Customer Charge	
12-27-08	RCRA Digout VACBOX 23968 2men 3.5		437.50	
	Supplied air		200.00	
	Sale of 2 drums (heel ~~cust. pkg~~)		70.00 T	
12-31	Return 276096 + 276387 DBL Hauler 2HR	203.67	220.00 T	(110.)
	18% FSC		39.60	
	Rental 276096 12/12-31/08 20days	649.50	1000.00T	
	276387 12/12-31/08 20days	649.50	1000.00 T	
1-19-09	Return 25038 1.5hr		105.00 T	
	18% FSC		18.90	
	Rental 25038 12-1-31/08 31 days	1006.73	1550.00 T	
	Repair 25038 Replace Door Latches + Handle	393.42	472.10 T	
1-22	WASHout 6/5		275.00	
	Rental 6/5 11/21-30/08 10 days		500.00 T	
all VB rent	12/1-31/08 31 days		1550.00 T	
	1/1-22/09 22days		1100.00 T	
	Sales Tax	719.17	719.17	
	19% Compliance	~~112.70~~ 123.67	~~112.70~~	123.67
	WASHout VB 25038		275.00	
1-14-09	Trans to disposal #6/5 8Hr		560.00	
	12.5% FSC		70.00	
1-19-09	Rental VB 25038 1-1/1-19/09 19days	617.03	950.00 T	
1-16	PLU BOX VB 25038 from CH to Tankwash 2hr		140.00	
	12.5%		17.50	
		4351.67	11382.47	
		(7030.80)		
1/21	PLU Box 6/5 from CH to Tankwash 2.5hr		175.00	
	12.5% FSC		21.88	
	HEEL Disposal PCI 4251818 2drm	718.26	900.00	
		5080.90	12490.32	
		(7409.42)		

Customer Special Requests/Requirements

P.O. Required:	☐ Y	☐ N	Fuel Surcharge:	☐ Y	☐ N
4% City of Houston Fee:	☐ Y	☐ N	4-hr Minimum:	☐ Y	☐ N

Job Estimate

	Item		CES Cost	Customer Charge	
11-6-08	TRANS to disposal - OKLA 621 miles	3.25/mile		2018.25	
		27% Fsc		544.93	
11-7	Deliver Box #23968 + VB25038	15.5 hr		1085.00 T	
		27% Fsc		292.95	
11-12	TRANS - Return Box N48868 Off rent - Billed on Inv #		51439		
	Rental Box N48868 11/1-12/08	12 days	116.91	180.00 T	
11-14	Sub TRANS - R4R Box Del'v 276096 + 276387	DBL Handles	751.63	875.00 T	(125.hr)
		27% Fsc		236.25	
11-19	TRANS to disposal - OKLA rejected			2018.25	
	(dropped @ Clean Harbor - LaPorte)	27% Fsc		544.93	
11-20	TRANS to disposal - CH LaPorte	10 HRS		700.00	
		27% Fsc		189.00	
11-21	Deliver #615	5 HRS		350.00 T	
		27% Fsc		94.50	
12-6	TRANS to disposal	9.5 hr		665.00	
		18% fsc		119.70	
12-9	TRANS to disposal	8.25 hr		577.50	
		18% Fsc		103.95	
12-26	TRANS - Plu box from disposal site	3 hr		210.00 T	
		18% Fsc		37.80	
	Washout Box N23968			275.00	
12-30	Return Box N23968 off rent	1.5 hr		105.00 T	
		18% Fsc		18.90	
	Plu Box from Clean Harbor - LaPorte	1.5 hr		105.00 T	
	(to TANKWASH) # 276096	18% Fsc		18.90	
	Plu Box from Clean Harbor # 276387	2.5 hr		175.00 T	
		18% Fsc		31.50	
	Washout 276387 + 276096			550.00	
Still on rent	Rental # N23968 11/7-30/08	24 days	779.40	1200.00 T	(50.day)
Still on rent	Rental # VB25038 11/7-30/08	24 days	779.40	1200.00 T	
Still on rent	Rental # 276096 11/14-12-11/08	28 days	909.30	1400.00 T	
Still on rent	Rental # 276387 11/14-12/11/08	28 days	909.30	1400.00 T	
		Sales Tax	807.27	807.27	
		1% compliance	196.30	196.30	
	Rental # N23968 12/1-30/08 Off Rent	30 days	974.25	1500.00 T	
			6223.76	19825.88	
			13602.12		
		3400			

CES Environmental Services, Inc.

CONFIDENTIAL

Profit & Loss Sheet

CONFIDENTIAL

Billing/AP Information	
Name:	Koppers, Inc.
Contact:	P.O. Box 189
Address:	Somerville, TX 77879
	David Shaw
	979-596-1321 x224
Phone:	
Fax:	

Salesperson:	Gary Brawerman
Assigned: ✓	Unassigned:

Folder I.D.#	Koppers (Koppers-Somerville Trans Only
Job Contact:	David Shaw
Phone:	979-596-1321 x224
Fax:	

P.O Required:	Y:	(N:)	Fuel Surcharge:	(Y:)	N:
City of Houston:	Y:	(N:)	4-hour Minimum:	(Y:)	N:

Base Oils **Black Oils** **Light Ends** **Glycols** **Emulsion Oils (>70% oil)** **Emulsion Oils (50%-70% oil)**

Job Estimate

Item	Vendor	Profile #	CES Cost	Customer Charge
~~Transportation~~ Demurrage after 1 Hr				$70/hr + F.S.C
Trans.				325/mile + FSC (Roundway)
Wash out				$275/each
Rental			9.00	15.1 EA/day
Liner				35.00
HAZ WASTE HEEL	PCI		.68/LB	102/LB
TRANS TO PCI				30.00 Min. + FSC

Customer Special Request/Requirement

CONFIDENTIAL

EPAHO088002460

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

copy

Invoice

Date	Invoice #
1/26/2009	53609

Bill To: Koppers, Inc.
Attn: Accounts Payable
P O Box 189
Somerville TX 77879

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	12/27/08			
3.5	RCRA Digout Vacuum Box #23968 - 2 men @ $125.00 per hour		125.00	437.50
	Job Materials: Supplied Air - Confined Space		200.00	200.00T
2	Sale of Drums @ $35.00 per drum		35.00	70.00T
	12/31/08			
2	Return Vacuum boxes #276096 & 276387 (off rent) @ $110.00 per hour (Double Hauler)		110.00	220.00T
	18% Fuel Surcharge		39.60	39.60
20	Rental of Vacuum Box #276096 from 12/12-31/08 @ $50.00 per day		50.00	1,000.00T
20	Rental of Vacuum Box #276387 from 12/12-31/08 @ $50.00 per day		50.00	1,000.00T
	1/14/09			
8	Transportation services by CES to disposal facility, Clean Harbors, La Porte, TX @ $70.00 per hour		70.00	560.00
	12.5% Fuel Surcharge		70.00	70.00

We appreciate your business!

Subtotal	
Sales Tax (8.25%)	
Total	

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

EPAHO088002461

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
1/26/2009	53609

Bill To: Koppers, Inc.
Attn: Accounts Payable
P O Box 189
Somerville TX 77879

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	1/16/09			
2	Transportation services by CES to pickup box #VB25038 from Clean Harbors, La Porte, TX @ $70.00 per hour		70.00	140.00
	12.5% Fuel Surcharge		17.50	17.50
	Washout Vacuum Box #VB25038		275.00	275.00
	1/19/09			
1.5	Return Vacuum Box #VB25038 @ $70.00 per hour		70.00	105.00T
	18% Fuel Surcharge		18.90	18.90
31	Rental of Vacuum Box #VB25038 from 12/1-31/08 @ $50.00 per day		50.00	1,550.00T
19	Rental of Vacuum Box #VB25038 from 1/1-19/08 @ $50.00 per day		50.00	950.00T
	Repairs to Vacuum Box #VB25038: Replace Door Latches / Door Handle		472.10	472.10T
	1/21/09			
2.5	Transportation services by CES to pickup box #615 from Clean Harbors, La Porte, TX @ $70.00 per hour		70.00	175.00
	12.5% Fuel Surcharge		21.88	21.88

We appreciate your business!

Subtotal	
Sales Tax (8.25%)	
Total	

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

EPAHO088002462

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

Invoice

Date	Invoice #
1/26/2009	53609

Bill To: Koppers, Inc.
Attn: Accounts Payable
P O Box 189
Somerville TX 77879

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Manifest #	Rate	Amount
	1/22/09			
	Washout of Vacuum Box #615		275.00	275.00
10	Rental of Vacuum Box #615 from 11/21-30/08 @ $50.00 per day		50.00	500.00T
31	Rental of Vacuum Box #615 from 12/1-31/08 @ $50.00 per day		50.00	1,550.00T
22	Rental of Vacuum Box #615 from 1/1-22/09 @ $50.00 per day		50.00	1,100.00T
	1/16/09			
2	Disposal of Hazardous waste (heel) @ $450.00 per drum	4251818JJK	450.00	900.00
	1% Compliance Fee		123.67	123.67

We appreciate your business!

Subtotal	$11,771.15
Sales Tax (8.25%)	$719.17
Total	$12,490.32

Late Payment Policy: Any unpaid balances begining on the 30th day after the account is due will accrue a per annum interest rate of 7.5%, unless otherwise stated in a formalized contract.

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 678-1460
Fax. (713) 678-1676

Transportation Work Ticket

Folder ID : Koppers (Koppers-Somerville) Tank Cleaning

Date : 1/14/2009 **Manifest # :** 2243244

Client : Koppers, Inc. **Ticket :** 79555

Phone : 9795961321 **Consignee :** Clean Harbors Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature David Kautz Jr **Signature**

Leave CES Yard :	6:45	Arrive At Destination	13:30
Arrive At Customer :	9:15	Begin Unloading :	13:45
Begin Loading :	9:35	Finish Unloading :	14:00
Finish Loading :	10:45	Leave Destination :	14:15
Leave Customer :	10:45	Arrive At CES Yard :	14:45

Customer PO #:

Total Hours:

CES Unload: ☐

Gross Weight :		Ending Odometer :	95633
Tare Weight :		Begining Odometer :	95377
Net Weight :		Total Miles :	256

Driver : Sanchez, Omar **Tractor # :** 2000 **Tote # :**

Signature : OSanchez **Trailer # :** 207 **Box # :** 615

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002464

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Koppers (Koppers-Somerville) Tank Cleaning

Date : 1/16/2009

Manifest # :

Client : Koppers, Inc.

Ticket : 79719

Phone : 9795961321

Consignee : Evergreen Tank Solutions

Transporter : CES Environmental Services, Inc.

Signature

Signature

Leave CES Yard :	09:40	Arrive At Destination	11:45
Arrive At Customer :	10:15	Begin Unloading :	
Begin Loading :	11:00	Finish Unloading :	
Finish Loading :	11:15	Leave Destination :	
Leave Customer :	11:20	Arrive At CES Yard :	

Customer PO #:

Total Hours: 2

CES Unload: ☐

Gross Weight :		Ending Odometer :	141358
Tare Weight :		Begining Odometer :	141302
Net Weight :		Total Miles :	000056

Driver : WILFREDO ABREU

Tractor # : 291

Tote # :

Signature :

Trailer # : 250

Box # : VB25038

Job Comments/Equipment :

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002465

CES Environmental Services
Container / Tank Cleaning Division
4904 Griggs Rd. • Houston, TX 77021
Phone: (713) 676-1460 • Fax: (713) 676-1676

Koppers tank cleaning

TANK WASH WORK ORDER

22658

PO #	Customer:	Date:
79719	CES	1/16/09
Tractor	**Address:**	**Time:**
291		
Trailer / Container Number	**Dropped By:**	**Need By:**
VB-05038		

CONTAINER TYPE: ☐ TOTE BIN ☐ ROLL DOOR BOX ☐ ISO CONTAINER ☐ DRY BULK
☐ TANK TRAILER ☐ ROLL TARP BOX ☑ VACUUM BOX ☐ FRAC TANK ☐ POLY TANK ☐ VACUUM TRUCK

Compartment #	Last Contained	Heel - Hazardous	Heel - Non-Haz	Drum / Rolloff
1	Haz waste Solid			
2				
3				
4				
5				

CLEANING CODES	WORK PERFORMED
1 Air Dry	
2 Quick Rinse	
3 Cold Water Rinse	
4 Hot Water Rinse	
5 Steam Only (Per Hour)	
6 Steam & Dry	
7 Rinse, Steam & Dry	
8 Detergent Wash, Rinse & Dry	✓
9 Caustic Wash & Dry	
10 Caustic Wash, Rinse & Dry	✓
11 Waste Water Surcharge	✓
12 Solvent Wash (Diesel # Hours)	
13 Solvent Wash (Stripper)	
14 Exterior Tractor Wash	
15 Exterior Trailer Wash (w/o Internal)	
16 Exterior Trailer Wash (with Internal)	✓
17 Exterior Acid Brite Wash	
18 Hand Labor (# Men / # Hours)	
19 Hydroblaster (# Hours)	
20 Solvent Wash (Green Stripper)	
21 Passivation	
Hose Cleaning	
Pump Cleaning	

TANK ENTRY PERMIT

Oxygen (19.5% -23.5%)	#1 20.4	#2	#3	#4	#5
LEL (<10%)	#1 0	#2	#3	#4	#5
CO^2 (<35 ppm)	#1 0	#2	#3	#4	#5
Toxic Vapor	#1 0	#2	#3	#4	#5

Signature: ST

Stripper Usage:

Comments:

OFF Rent 1/19/09

Authorized Additional Services:

CES Environmental Services, Inc., Cleaning Division, makes no guarantees with respect to the thoroughness of the tank washing procedure or the total elimination of interior residues and/or moisture. Final inspection of the equipment remains the responsibility of the customer, and they hereby release CES Environmental Services, Inc., Cleaning Division, from any responsibility for claims arising from any allegations that the equipment was improperly cleaned, resulting in damage or loss.

CES Environmental Services, Inc., Cleaning Division, is in no manner responsible for any damages or losses of equipment and/or materials left in their yard.

Cleaned By: SR/ST Date 1/16/09

Inspected By: _____ Date _____

Print Name: W. ABREU Date 01/16/09

Signature: _____

EPAHO088002466

0x2194252 SCPPW 12/16/2003

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number TXR000003780	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3716	4. Manifest Tracking Number 00243244 FLE

GENERATOR

5. Generator's Name and Mailing Address
Koppers Inc
Hwy 36 North PO Box 189
Somerville, TX 77879
Generator's Phone: (512) 237 2265

Generator's Site Address (if different than mailing address)
Hwy 36 North
Somerville, TX 77879

6. Transporter 1 Company Name
CES Environmental

U.S. EPA ID Number
TXD008950461

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors Deer Park LP
2027 Independence Parkway South
La Porte, TX 77571
Facility's Phone: (281) 930-2300

U.S. EPA ID Number
TXD055141378

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (CREOSOTE), 9, PG III	1	CM	19,000	LB	F034		
							001140GH	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1 CH5917259 RRG8171

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month 12 | Day 12 | Year 03

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.: 12/16/03

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month 12 | Day 16 | Year 03

Transporter 2 Printed/Typed Name | Signature | Month 12 | Day 16 | Year 03

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **TRANSPORTER'S COPY**

Clean Harbors has the appropriate permits for and will accept the waste this generator is shipping.

EPAHO088002467

Customer Delivery

Clean Harbors (Deer Park), L.P. Container Tracking Ticket (CTT)

CH-Trans. Or CD (Circle One)

A. CONTAINER ENTRY- RECEIVING SECURITY

DX2194262

Inspection Expiration Date for tankers only (except ISO-Tainers)!!! Must fill out and circle either "Current"/"Expired". If anyone of the three inspections is expired, contact 920 and Transporters Dispatcher. Do not receive the load. **Circle one:**

1 year from date shown V.I.K: ____-____Current or Expired LO#: 309121

2 year' from date shown T: ____-____Current or Expired Container#: 615

5 year from date shown P: ____-____Current or Expired Profile#: CH344723B

Loaded or M/T Receiver's Int: MS Container Type: Bin Manifest# 00224324 FLE

Customer's Name: Koppers City/State: Somerville TX Carrier: CES

Tractor#: 2009 Driver: Omar Sandy Phone#: 2816105621 Equip. Owner: CES

Arrival Date: 1/14/09 Arrival Time: 1345 Scheduled Date: 1/14 Scheduled Time: ____

B. Driver Departure-Front Gate Security

Note: This section must be completed and a copy of this CTT must accompany invoice for driver's detention at CH(DP)

Driver Waiting:____ Driver Departure Time:____ Departing Security Initials: ____

C. Operations-Direct Burn/Tank Farm Unloading / Bin Unloading/ Van Unloading

I have checked the above V.I.K. information and confirm that it has ~~not expired~~: ____ *(Supervisor signature)*

__/__/__(Date) ____(Time)

Does Container need a nitrogen blanket?____ (See Discharge Ticket Comments Section) Completed By Operator:____

Does Container require a washout?____ (See Discharge Ticket Comments Section) Completed By Operator:____

Date of Discharge/ATU:__/__/__ Time Of Discharge:____ Equip. Failure:____ Comments: ____

Date Processing Started:__/__/__Time Started:____ Operator: ____Feed Port-Initial: ____

Weight Beginning:____ Unloading Area:____ Unit#:____ Gun#:____

Tank#:____ Supervisor-Initials:____ Comment/Problems-Initial: ____

Date Emptied:__/__/__ Time Emptied: ____Feed Port-Final:____ Weight Ending:____

Operator-Final:____Supervisor-Final: ____Comment/Problems-Final: ____

D. Operations-Diesel/Water Flushes and Mix Building Washout

(Note: RCRA Empty is <I inch, of <125 pounds, and/or <IS gallons remaining in 5000gallon containers)

(Flash must be <140 to be washed into the Mix Building. Check the Waste Safety Sheet for instructions) ,

Diesel Flush (500 gallons):____ # of Diesel Flushes:____ Flash: ____ ph1: ____ Operator: ____

Water Flush (50 gallons): ____ # of Water Flushes:____ Flash:____ ph1:____ Operator: ____

Gallons of water used-washout: ____

#1) Was Container washed? ____ Date-Washed:__/__/__Time-Washed: ____

#2) Is Container RCRA Empty (check one)? ☐Yes ☐No

#3) If no, estimated amount in gallons:____ If unknown check here: ☐ and initial here: ____

Unknown = can not inspect due to nature of material - Return Manifest is Required before taken to CET for release.

Problem Form Generated (check one): ☐yes ☐ no General Problem Form Comment: ____

Form Completed By:____ Operator ____Supervisor: Date:__/__/__

OPERATOR MUST SIGN!!!!!! SUPERVISOR MUST SIGN!!!!

E. CONTAINER RETURN TO TRANSPORTATION DEPARTMENT FROM OPERATIONS-RECEIVING PERSONNEL

Date returned MT: __/__/__ Receiving Personnel:____

F. CONTAINER RELEASE PHONE CALL- RECEIVING PERSONNEL

Spoke To: ____Phone #:____ Date Called:__/__/__ Time Called:____

Person making phone call: ____

G. CARRIER ACCEPTANCE-RECEIVING PERSONNED ONLY

Carrier: ____

Tractor#:____ Driver's Name:____ Driver's Signature:____

Date Arrived For P/U:__/__/__Time Arrived For P/U:____Date Departed:__/__/__ Time Departed:____

Guard's Initials: ____Comments:____

Note: A COPY OF THIS COMPLETED CTT MUST ACCOMPANY ALL TRANSPORTER INVOICES FOR PAYMENTS!

2027 Battleground Rd ■ Deer Park, TX 77536 ■ (281) 930-4508

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Koppers (Koppers-Somerville) Tank Cleaning

Date : 1/19/2009

Manifest # :

Client : Koppers, Inc.

Ticket : 79866

Phone : 9795961321

Consignee : Evergreen Tank Solutions

Transporter : CES Environmental Services, Inc.

Signature

Signature

Leave CES Yard :	12:35 PM	Arrive At Destination	1:10 PM
Arrive At Customer :	~~1:10 PM~~	Begin Unloading :	1:15 PM
Begin Loading :		Finish Unloading :	1:25 PM
Finish Loading :		Leave Destination :	1:35 PM
Leave Customer :		Arrive At CES Yard :	2:05 PM

Customer PO #:

Total Hours: 1.5

CES Unload: ☐

Gross Weight :		Ending Odometer :	164577
Tare Weight :		Begining Odometer :	164522
Net Weight :		Total Miles :	55

Driver : Soto, Andre

Tractor # : 108

Tote # :

Signature : Andres Soto

Trailer # :

Box # : vb25038

Job Comments/Equipment :

Return Box # VB25038
to Evergreen Tank Solutions

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

EPAHO088002469

CES Environmental Services, Inc.

4904 Griggs Road
Houston, TX 77021
Tel. (713) 676-1460
Fax. (713) 676-1676

Transportation Work Ticket

Folder ID : Koppers (Koppers-Somerville) Tank Cleaning

Date : 1/21/2009

Manifest # : 002243244 FLE

Client : Clean Harbors Environmental Services, Inc.

Ticket : 80009

Phone : 2819302300

Consignee : CES Environmental Services, Inc.

Transporter : CES Environmental Services, Inc.

Signature

Signature

Leave CES Yard :	200	Arrive At Destination	400
Arrive At Customer :	~~230~~ 230	Begin Unloading :	400
Begin Loading :	230	Finish Unloading :	430
Finish Loading :	330	Leave Destination :	430
Leave Customer :	330	Arrive At CES Yard :	430

Customer PO #:

Total Hours: 2.5 hr

CES Unload: ☐

Gross Weight :		Ending Odometer :	172998
Tare Weight :		Begining Odometer :	172955
Net Weight :		Total Miles :	

Driver : Gonzales, Jose

Tractor # : 287

Tote # :

Signature :

Trailer # : 263

Box # : 615

Job Comments/Equipment : p/u 615 from Clean Harbor Houma to Tankwash

White (CES Office) Yellow (CES Office / Billing) Pink (CES Office / IFTA) Golden Rod (Customer)

DX2194262 SC PFW 12/16/2008 6 of 5

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXR000003780
2. Page 1 of: 1
3. Emergency Response Phone: (800)483-3718
4. Manifest Tracking Number: 002243244 FLE

GENERATOR

5. Generator's Name and Mailing Address
Rappers Inc
Hwy 36 North PO Box 189
Somerville, TX 77879
(412) 227-2265
Generator's Phone:

Generator's Site Address (if different than mailing address)
Hwy 36 North
Somerville, TX 77879

6. Transporter 1 Company Name: CES Environmental
U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name: Clean Harbors
U.S. EPA ID Number: MAD039322250

8. Designated Facility Name and Site Address
Clean Harbors Deer Park LP
2027 Independence Parkway South
La Porte, TX 77571
Facility's Phone: (281)930-2300
U.S. EPA ID Number: TXD055141378

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (CREOSOTE), 9, PG III	1	Cm	19,000	lbs	F034	0011409H	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.CH344723B ERG#171

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Billy Newton
Signature: Billy Newton
Month: 1 Day: 14 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Omar Sanchez
Signature: Sanchez
Month: 1 Day: 14 Year: 09

Transporter 2 Printed/Typed Name: MARY SHAZAR
Signature: Mary Shazar
Month: 1 Day: 14 Year: 09

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name Signature Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

EPAHO088002471

Melba Stephens

From: Jennifer Rust
Sent: Thursday, January 22, 2009 9:53 AM
To: Melba Stephens; Juanita Thomas; Jeff Thomas
Attachments: image001.jpg

Koppers box rental of #615 ended 1/22/09 started 11/21/08 wasn't sure were to put that information since it was our box. Job ID Koppers (Koppers-Somerville)
Tank Cleaning

Thank You,

Jenny Rust

CES Environmental Services, Inc.
Office: 713-676-1460
Direct: 713-800-7913
Cell: 713-367-8581
Fax: 713-748-8664
jrust@cesenvironmental.com
Visit us at http://cesenvironmental.com

EPAHO088002472

CES Environmental Services
Container / Tank Cleaning Division
4904 Griggs Rd. • Houston, TX 77021
Phone: (713) 676-1460 • Fax: (713) 676-1676

TANK WASH WORK ORDER

22819

PO #	Customer:	Date:
Koppers	Koppers	1/21/09
Tractor 297	**Address:**	**Time:**
Trailer / Container Number 615	**Dropped By:**	**Need By:**

CONTAINER TYPE: ☐ TOTE BIN ☐ ROLL DOOR BOX ☐ ISO CONTAINER ☐ DRY BULK
☐ TANK TRAILER ☑ ROLL TARP BOX ☐ VACUUM BOX ☐ FRAC TANK ☐ POLY TANK ☐ VACUUM TRUCK

Compartment #	Last Contained	Heel - Hazardous	Heel - Non-Haz	Drum / Rolloff
1	HAZ WASTE SOLIDS			
2				
3				
4				
5				

CLEANING CODES	WORK PERFORMED
1 Air Dry	
2 Quick Rinse	
3 Cold Water Rinse	
4 Hot Water Rinse	
5 Steam Only (Per Hour)	
6 Steam & Dry	
7 Rinse, Steam & Dry	
8 Detergent Wash, Rinse & Dry	✓
9 Caustic Wash & Dry	
10 Caustic Wash, Rinse & Dry	
11 Waste Water Surcharge	✓
12 Solvent Wash (Diesel # Hours)	
13 Solvent Wash (Stripper)	
14 Exterior Tractor Wash	
15 Exterior Trailer Wash (w/o Internal)	
16 Exterior Trailer Wash (with Internal)	✓
17 Exterior Acid Brite Wash	
18 Hand Labor (# Men / # Hours)	
19 Hydroblaster (# Hours)	
20 Solvent Wash (Green Stripper)	
21 Passivation	
Hose Cleaning	
Pump Cleaning	

TANK ENTRY PERMIT

Oxygen (19.5% -23.5%) #1____ #2____ #3____ #4____ #5____
LEL (<10%) #1____ #2____ #3____ #4____ #5____
CO^2 (<35 ppm) #1____ #2____ #3____ #4____ #5____
Toxic Vapor #1____ #2____ #3____ #4____ #5____
Signature:_____

Stripper Usage:

Comments:

HAZ WASTE SOLIDS
(CREOSOTE)

Authorized Additional Services:

CES Environmental Services, Inc., Cleaning Division, makes no guarantees with respect to the thoroughness of the tank washing procedure or the total elimination of interior residues and/or moisture. Final inspection of the equipment remains the responsibility of the customer, and they hereby release CES Environmental Services, Inc., Cleaning Division, from any responsibility for claims arising from any allegations that the equipment was improperly cleaned, resulting in damage or loss.

CES Environmental Services, Inc., Cleaning Division, is in no manner responsible for any damages or losses of equipment and/or materials left in their yard.

Cleaned By: JP Date 1/22/09

Inspected By:_____ Date_____

Print Name:_____ Date_____

Signature:_____

EPAHO088002473

DX2143974

Print or type. (Form designed for use on elite (12-pitch) typewriter.) ~~DX2139133~~ SC PPW 11/3/2008 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXR000003178	1	(800) 483-3718	002220752 FLE

5. Generator's Name and Mailing Address
Koppers Inc
Hwy 36 North PO Box 189
Somerville, TX 77879
Generator's Phone: (412) 227-2265

Generator's Site Address (if different than mailing address)
Hwy 36 North
Somerville, TX 77879

6. Transporter 1 Company Name: CES Environmental — U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name: Clean Harbors Env. Sv. Inc — U.S. EPA ID Number: MAD039322252

8. Designated Facility Name and Site Address
Clean Harbors Lone Mountain LLC
5 miles east & 1 mile north of Jct. US Highways 281 & 412
Waynoka, OK 73860
Facility's Phone: (580) 697-3500
U.S. EPA ID Number: OKD065438376

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3077, HAZARDOUS WASTE, SOLID, N.O.S., (CREOSOTE), 9, PG III	1	CM	18000	H0	F034	0011409H	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1. ~~CH3301938-LM~~ ERG#171
@ CH3341396

CR	BC
FS	BC
OFFC	

VB25038

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: David A. Shaw — Signature: [signature] — Month 11 Day 19 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William Denton — Signature: [signature] — Month 11 Day 19 Year 08

Transporter 2 Printed/Typed Name: Jennifer Holb — Signature: [signature] — Month 11 Day 21 Year 08

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☒ Full Rejection
Section 14 line 1 corrected profile # 11/20/08
Section 9b line 1 - waste rejected to Alternate facility Clean Harbors Deer Park per David A. Shaw - Lone Mtn. cannot handle this waste 11/20/08 @
Manifest Reference Number:

18b. Alternate Facility (or Generator): Clean Harbors Deer Park, LP, 2027 Battleground Road, La Porte, TX 77571 — U.S. EPA ID Number: TXD055141378
Facility's Phone: 281-930-2300

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
~~08-45847~~

Printed/Typed Name: Brandy Collier — Signature: [signature] — Month 11 Day 20 Year 08

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping

PA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

EPAHO088002474

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 65319 1 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXD008950461
2. Page 1 of: 1
3. Emergency Response Phone: (713) 676-1460
4. Manifest Tracking Number: 004251818 JJK

GENERATOR

5. Generator's Name and Mailing Address
CES Environmental Services, Inc. (Tankwash) State ID: 30900
4904 Griggs Road
Houston, TX 77021
Generator's Phone: (713) 676-1460

Generator's Site Address (if different than mailing address)
CES Environmental Services, Inc. (Tankwash)
4904 Griggs Road
Houston, TX 77021
(713) 676-1460

6. Transporter 1 Company Name: CES Environmental Services, Inc. State ID 30900
U.S. EPA ID Number: TXD008950461

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Pollution Control Industries State ID D0047
5485 Victory Lane
Millington TN, 38053
Facility's Phone: 219-397-3951
U.S. EPA ID Number: TND000772186

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	NA3077, Hazardous Waste, Solid, N.O.S., (Creosote) 9, PG III	2	DM	900	P	902540BH, F039
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Poder ID : Koppers (Koppers-Somerville) CES Job # - 79754
Tank Cleaning
1) 335560 2) 3) 4)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: James Pharms Signature: [signature] Month 11 Day 16 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Robby Kodney Signature: [signature] Month 1 Day 16 Year 09

Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Angela Midkiff Signature: [signature] Month 1 Day 19 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. **DESIGNATED FACILITY TO GENERATOR**

EPAHO088002475

Pollution Control Industries

4343 KENNEDY AVE.
EAST CHICAGO, IN 46312
FEIN # 36-3827403
(219) 397-3951 FAX (219) 397-6411

5845 VICTORY LANE
MEMPHIS, TN 38053
FEIN #: 35-2035802
(800) 388-7242

http://www.pollutioncontrol.com

Invoice
TN0039822

PCI
Pollution Control Industries

SOLD TO:
CES ENVIRONMENTAL SERVICES, INC
4904 Griggs Road

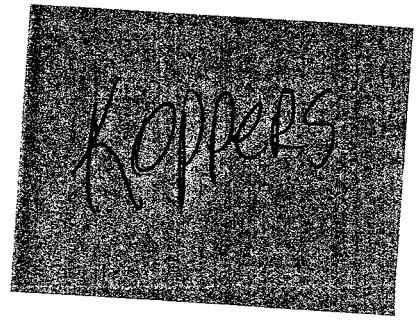
HOUSTON, TX 77021

REMIT PAYMENT TO:
Pollution Control Industries
Dept. CH 19186
Palatine, IL 60055-9186

DATE	PURCHASE ORDER NO.	CUSTOMER ID	TERMS
2/5/2009	.	653191	N30

QUANTITY		DESCRIPTION			UNIT PRICE	AMOUNT
271.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$119.24
414.00	POUND	WASTE STREAM	257623-85OP	RH	0.440	$182.16
1.00	EACH	OVERPACK HANDLING FEE		OVP	50.00	$50.00
324.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$142.56
371.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$163.24
497.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$218.68
481.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$211.64
407.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$179.08
260.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$114.40
302.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$132.88
279.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$122.76
494.00	POUND	WASTE STREAM	257623-85OP	RH	0.440	$217.36
1.00	EACH	OVERPACK HANDLING FEE		OVP	50.00	$50.00
325.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$143.00
446.00	POUND	WASTE STREAM	257623-55DM	RH	0.440	$196.24
1.00	EACH	WASTE STREAM	257623-55DM	RH	105.000	$105.00
1.00	EACH	WASTE STREAM	257622-55DM	LF	45.00	$45.00
2.00	EACH	WASTE STREAM	257622-55DM	SF	89.00	$178.00
1.00	EACH	WASTE STREAM	257622-55DM	RH1	158.000	$158.00
1.00	EACH	WASTE STREAM	257622-55DM	RH1	210.000	$210.00
		004251622JJK production waste	CANRIG		energy	49.84
8.00	EACH	WASTE STREAM	286370-55DM	SF	89.00	$712.00
		004251770JJK	CES ENVIRONMENTAL SERVICE		energy	6.23
1.00	EACH	WASTE STREAM	208590-55DM	SF	89.00	$89.00
		004251818JJK	CES ENVIRONMENTAL SERVICE		energy	47.10
321.00	POUND	WASTE STREAM	335560-55DM	ND	0.68	$218.28
666.00	POUND	WASTE STREAM	335560-55DM	ND	0.68	$452.88

3904.90
761.84
95.23
718.26



$450.dm

	$13,880.09
ENERGY ASSESSMENT	$971.74
Total	$14,851.83

BOX # 89

TYPE OF DOCUMENTS: Project Binders / Law suits

DOCUMENTS OF INTEREST:

Law suit By Franco Davati concerning Explosions At CES

CES PA Process and Tank spec's

CES Investigation of Two port arthur Deaths

VIOLATIONS SUPPORTED: DOT RCRA SDWA OSHA

BOX SEARECH BY: Floyd Sherman

DATE SEARCHED: 19 Aug 09

Prabhakar Thangudu

BOX 89

JUDGE RUSS RIDGWAY

JUSTICE OF THE PEACE, HARRIS COUNTY, TEXAS
PRECINCT FIVE, PLACE ONE

SMALL CLAIMS COURT Case Number: SC51C0100140
HARRIS COUNTY, TEXAS, PRECINCT 5, PLACE 1
6000 CHIMNEY ROCK * HOUSTON, TEXAS 77081

FRANCO DAVATI/FAILURE & DAMAGE ANALYSIS Inc.
Plaintiff
2620 FOUNTAIN VIEW, SUITE 405
Address
HOUSTON, TEXAS 77057
City, State, Zip
D: 713-787-6810 N: 713-859-1650
Day & Night Telephone Numbers

CES ENVIRONMENTAL SERVICES, Inc.
Defendant
4904 GRIGGS RD.
Address
HOUSTON, TX 77021
City, State, Zip
D: 713-676-1460 N: 713-419-6076
Day & Night Telephone Numbers
Serve: MATT BOWMAN

FRANCO DAVATI/FAILURE & DAMAGE ANALYSIS, Inc.; hereinafter called Plaintiff(s), on oath deposes
(Plaintiff's Name)
and says that CES ENVIRONMENTAL SERVICES, Inc.; hereinafter called Defendant(s),
(Defendant's Name)
IS justly indebted to Plaintiff(s) in the sum of $ 3425.— for:
(is/are)

(State the nature of the claim in concise form (without technical details), including **ALL PERTINENT DATES, LOCATIONS AND ADDRESSES).** Attach second sheet if needed.

PLEASE SEE THE ATTACHMENT LETTER FOR EASIER READING. I WAS HIRED BY THE CES ENVIRONMENTAL TO INVESTIGATE THE CAUSE & ORIGIN OF TWO EXPLOSIONS ON THEIR PLANT ON DEC 7 & DEC 17th, 2008. I INVESTIGATED THE ACCIDENT ON DEC 19, 22, 23 & 29 ON THEIR PLANT. I PROVIDED CES WITH DETAILS OF HOW THE TWO EXPLOSION HAPPENED IN THEIR PLANT. I ALSO INFORMED THEM OF HOW DANGEROUS THEIR PLANT AND THEIR WAY OF OPERATION ARE TO THE PEOPLE LIVING IN THAT AREA AND TO THE CITY OF HOUSTON. I WAS ASKED NOT TO PRODUCE A REPORT. THEY HAVE NOT PAID THEIR TOTAL INVOICE. I WAS HIRED BY CES CES OWES ME $3425.—

Are there any counterclaims filed or pending between the Defendant(s) and the Plaintiff(s)? Circle Yes / No

Other case number and court (if applicable): _____

Franco F. Davati
Plaintiff

_____
Second Plaintiff (if applicable)

Subscribed and sworn to before me, this the 25 day of June, 20 09.

HONORABLE RUSS RIDGWAY
JUSTICE OF THE PEACE
HARRIS COUNTY, TEXAS
PRECINCT FIVE, PLACE ONE

By Joann B. Hinojosa
Clerk of Small Claims Court

_____
Notary Public

Rev.klk.031126

SC-Small Claims Citation 536b-Counterclaim
Receipt Number: 114845 Receipt Date: 06/25/09 Cons Fee $65.00 Tracking Number: Q0050384

Case Number: SC71C0035991

CES ENVIRONMENTAL SERVICES	§	In the Small Claims Court
Plaintiff/Counter-Defendant	§	Harris County, Texas
vs.	§	Precinct 7, Place 1
HOLCOMB ENVIRONMENTAL SERVICES	§	
Defendant/Counter-Plaintiff	§	5737 CULLEN
	§	
	§	HOUSTON, TX 77021-

Small Claims-Counterclaim

THE STATE OF TEXAS
COUNTY OF HARRIS:
TO ANY SHERIFF OR CONSTABLE OF TEXAS:

CES ENVIRONMENTAL SERVICES
BY SERVING: MATT BOWMAN
4904 GRIGGS ROAD,
HOUSTON, TX 77021-
Phone Number: (713) 676-1460

SERVED THIS 31 DAY OF July, 20 09
MAY WALKER, CONSTABLE PRECINCT SEVEN
HOUSTON, HARRIS, TEXAS
BY _____, DEPUTY

TO THE COUNTER-DEFENDANT:
You are commanded to appear by filing a written answer to the Counter-Plaintiff's petition with the Clerk of the Court at or before 10 o'clock a.m. of the Monday next after the expiration of ten (10) days after the date of service of this Counterclaim Citation.

Date Petition Filed: 09/05/08
Date Citation Issued: 7/28/2009

Nature of demand made by Counter-Plaintiff(s): money owed in the amount of $10,000.00, together with attorney's fees, cost of court, interest as provided by law and general relief. A copy of the Petition is attached.

Notice

You have been sued. You may employ an attorney. If you or your attorney do not file a written answer with the Clerk who issued this citation by 10:00 A.M. on the Monday next following the expiration of ten days after you were served this counterclaim citation, a default *judgment* may be taken against you.

Issued on: 7/28/2009

_____
JUDGE HILARY H. GREEN
Justice of the Peace, Precinct 7, Place 1
Address of Counter-Plaintiff's Attorney

Address of Counter-Plaintiff
HOLCOMB ENVIRONMENTAL OIL SERVICES
3540 CORDER
HOUSTON TX 77021
(281) 440-3096

Return

Received this Counterclaim Citation on _____, at _____.M.

Executed on _____, at _____.M., by delivering a copy of this Counterclaim Citation together with a copy of the

Petition to _____

at _____ by _____

Signed on: _____

_____
Signature
Name: _____
Title: _____

JU2NT

SCCONCLM
Page 1 of 1

EPAHO089000004

IN THE SMALL CLAIMS COURT OF HARRIS COUNTY, TEXAS

JUDGE HILARY H. GREEN, JUSTICE OF THE PEACE, PRECINCT 7, PLACE 1
5737 CULLEN BLVD., HOUSTON, TEXAS 77021, PHONE: (713) 747-3553

CAUSE NO. SC71C00 35991

COUNTER-PLAINTIFF/DEFENDANT: Holcomb Environmental Oil Services

ADDRESS: 3540 Corder

CITY: Houston STATE: TX ZIP: 77021 PHONE: 2814403096

VS.

A SERVICE FEE MUST BE PAID FOR EACH COUNTER-DEFENDANT/PLAINTIFF LISTED BELOW
(If one service fee is paid and multiple Counter-Defendants/Plaintiffs are listed, only the first Counter-Defendant/Plaintiff will be served)

1ST COUNTER-DEFENDANT/PLAINTIFF: CES Environmental

BY SERVING: Matt Bowman

ADDRESS: 4904 Griggs rd.

CITY: Houston STATE: TX

ZIP: 77021 PHONE: 7136076-1460

2ND COUNTER-DEFENDANT/PLAINTIFF:

BY SERVING:

ADDRESS:

CITY: STATE:

ZIP: PHONE:

COUNTERCLAIM PETITION

THE ABOVE COUNTER-PLAINTIFF(S)/DEFENDANT(S) BEING DULY SWORN, DEPOSE(S) AND SAY(S):

The above Counter-Defendant(s)/Plaintiff(s) is/are justly indebted to the above Counter-Plaintiff(s)/Defendant(s) in the sum of $ 10,000 for *(in the space which follows without technicality, state the nature of the claim in concise form, including all pertinent dates)*

RECEIVED BY CLERK OF THE COURT E.D.
JUSTICE OF THE PEACE PRECINCT 7, PLACE 1
2009 JUN 25 PM 1:16

JUSTICE COURTS PRECINCT SEVEN HARRIS COUNTY, TEXAS

Samuel Holcomb
Signature of Counter-Plaintiff/Defendant or Counter-Plaintiff/Defendant's Representative

Samuel Holcomb
Printed Name of Counter-Plaintiff/Defendant or Counter-Plaintiff/Defendant's Representative

Subscribed and sworn to before me this day of JUN 25 ~~2009~~ 24 2009 E.D. 2009 JUL 24 2009 E.D.

BY: _____
CLERK OF THE COURT

BY: _____
NOTARY PUBLIC, STATE OF TEXAS

JUSTICE COURTS PRECINCT SEVEN HARRIS COUNTY, TEXAS

EPAHO089000005

EJL
8-5-09
N-1

SC-Citation
Receipt Number: 0490404 Receipt Date: 06/25/09 Cons Fee $65.00 Tracking Number: K0121415

Case Number: SC51C0100140

FRANCO DAVATI/FAILURE & DAMAGE ANALYSIS INC	§	In the Small Claims Court of
Plaintiff	§	Harris County, Texas
vs.	§	Precinct 5, Place 1
CES ENVIRONMENTAL SERVICES INC	§	
Defendant	§	6000 CHIMNEY ROCK
	§	SUITE 102
	§	HOUSTON, TX 77081-4012

Small Claims Citation

THE STATE OF TEXAS
COUNTY OF HARRIS:

TO ANY SHERIFF OR CONSTABLE OF TEXAS:
Deliver this citation to:

SERVED THIS 1 DAY OF JULY 20 09
MAY WALKER, CONSTABLE PRECINCT SEVEN
HOUSTON, HARRIS, TEXAS
BY [signature] 2013, DEPUTY

Constable Phil Camus, Precinct 5
Harris County, Texas
Delivered this _____ day of
_____, 20____
as per order of the court.

CES ENVIRONMENTAL SERVICES INC
4904 GRIGGS RD
HOUSTON, TX 77021
Phone Number: (713) 676-1460

SRV MATT BOWMAN
,
Phone Number: (713) 419-6076

TO THE DEFENDANT:
You have been sued, you may employ an attorney. If you or your attorney do not file a written answer with the Clerk who issued this citation by 10:00 A.M. on the Monday next following the expiration of ten days after you were served this citation, a default judgment may be taken against you.

Date Petition Filed: 06/25/09

Nature of demand made by Plaintiff(s): money owed in the amount of $3425.00 together with attorneys fees, cost of court, interest as provided by law and general relief. A Copy of the Petition is attached.

Issued on: 6/25/2009

SMALL CLAIMS COURT PRECINCT 5 PLACE 1 HARRIS COUNTY TEXAS

[signature]
Clerk of the Court
Justice of the Peace, Precinct 5, Place 1

Address for Plaintiff's Attorney

,
Phone Number: (000) -

Return

Received this Writ on _____, at _____.M. Executed on _____, at _____.M.,

delivering a copy of this Citation together with a copy of the Petition to: _____

at _____

by _____

Signed on: _____

_____
Signature
Name: _____

Title: _____

EPAHO089000007

FDA
Failure & Damage Analysis, Inc.

6-17-09

Honorable Russ Ridgeway
Justice of the Peace
Harris County, Texas
Precinct Five, Place One.

FILED
JUDGE RUSS RIDGWAY
PRECINCT 5, PLACE 1
HARRIS COUNTY, TEXAS
09 JUN 25 PM 1:55

Honorable Judge Ridgeway:

We were hired by the CES environmental company to investigate the cause and origin of **two explosions** that occurred on their plant on December 7th and 17th of 2008 **on Griggs road, in Houston Texas**. During our visit to their plant on Dec 19th, 22nd, 23rd and 29th of 2008, we examined and photographed the failed components, parts and debris. We also read and analyzed **their thermal oxidizer** operating manual that had **exploded twice** and concluded what had happened and what caused the explosions.

We provided information to CES with the details of how the accident occurred and what caused it. **At that time we also informed them of how dangerous their plant and their way of operation are to the people living in that area and to the city of Houston**. At their request we did not produce a written report. We were stunned during our conversation with Mr. Greg Bowman, who was acting as a plant manager, as he tried to blame the second explosion as a possible act of terrorism, while in reality, it had happened during daylight hours and his plant crew were working and welding where it happened.

Despite our effort and, patience, CES has refused to pay their invoice for investigative services provided by our company, in the amount of **$3425.00**

I have attached the invoice, some pictures from their failed Thermal Oxidizer and some media coverage regarding this incident.

Regards

Franco F. Davati, P.E.
Forensic Engineer

2620 Fountain View, Suite 405. Houston, Texas 77057
Tel: (713) 787-6810. Fax (713) 787 -6825

FDA
Failure & Damage Analysis, Inc.
2620 Fountain View, Suite 405
Houston, Texas 77056
Tel: (713) 787-6810
Fax : (713) 787-6825

June 17, 2009

Mr. Clark Hickman
CES Environmental Services
4904 Griggs Rd.
Houston, Texas 77021

Re: Thermal Oxidizer
FDA File: FL737

Date	Professional Services Rendered	
6-17-2009	**Unpaid balance as of 1-9- 2009**	**$2590.00**
1,2,3,4 -2009	Contacted and spoke to Mr. Clark Hickman at 4 different times every month for payment	1 hr.
5-20 -2009	Took time out from work to go to small claim court, paperwork, search for the name of the officer of the CES Environmental, court cost and service fee	3 hrs
6-18-2009	Court cost and service fee	$95.00

Total amount due ($2590+$740+$95): **$3425.00**

TERMS: Payment due upon receipt of invoice.

Please include our File number on your Check and make check payable to:

Failure & Damage Analysis, Inc. **Taxpayer I.D. # 76-0471035**

FDA
Failure & Damage Analysis, Inc.
2620 Fountain View, Suite 405
Houston, Texas 77056
Tel: (713) 787-6810
Fax : (713) 787-6825

January 9, 2009

Mr. Clark Hickman
CES Environmental Services
4904 Griggs Rd.
Houston, Texas 77021

Re: Thermal Oxidizer
FDA File: FL737

Date	Professional Services Rendered	
12-19-2008	Visited the client, preliminary examination and Photographing the incident site and equipments, Spoke to some of the technicians regarding the Incident	3 hrs
12- 22-2008	Visited the site again for more investigation Examination and questions	4 hrs
12-23-2008	Visited the plant again and went through the Operation manuals of the thermal oxidizer	2 hrs
12-29-2008	Studied and analyzed the manual, the operation shut down procedures and warnings, and reset procedures	5 hrs
	Total For the above services	14 hrs

Total amount due (14 X$185/hr): $ 2590.00

TERMS: Payment due upon receipt of invoice.

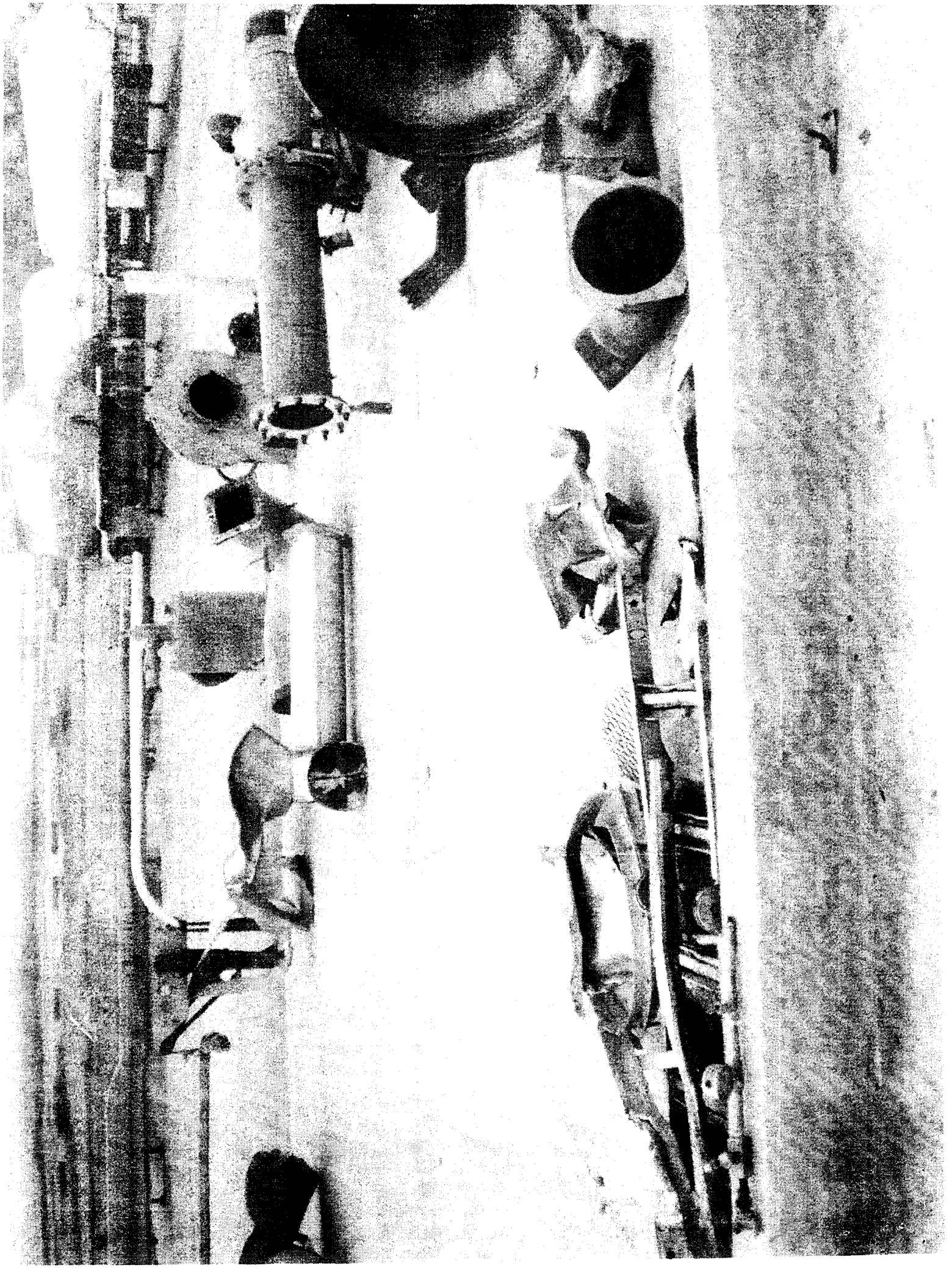
Please include our File number on your Check and make check payable to:

Failure & Damage Analysis, Inc. **Taxpayer I.D. # 76-0471035**

EPAHO08900011

EPAHO08900012

EPAHO089000013



EPAHO089000014

HOUSTON METRO

Comments 4 | Recommend 1

CES faces possible lawsuit from city

07:54 PM CST on Tuesday, December 30, 2008

by Rucks Russell / 11 News

HOUSTON -- Their business is to clean up the environment, but soon one company could have a lawsuit to clean up.

Following months and months of complaints from near by residents, the city's legal department now is focusing on CES Environmental Services.

"We've had chemical smells. We've had chemical clouds. We've had debris scattered over the neighborhood," said Ann Eamon, who lives in the area.

The debris includes pieces of a metal vent that were scattered over the neighborhood following an explosion at CES Environmental Services a few weeks ago. It was second explosion in less than a month.

On Tuesday, neighbors sounded off to city leaders about a resolution authorizing a nuisance lawsuit against CES. The move could temporarily halt operations at the plant.

"We will not back down from insisting that people comply with the law," said Mayor Bill White.

Plant managers say despite the complaints, they have been good neighbors.

"We feel that we operate within the laws and rules and regulations that govern our business. We're very disappointed in that vote. We're anxious to work with the city in any way that we can," said Greg Bowman, CES.

At this point there is no clear sense in terms of the timing of any potential legal action. But city leaders made it clear that attorneys will be pressing ahead with this matter as soon as possible.

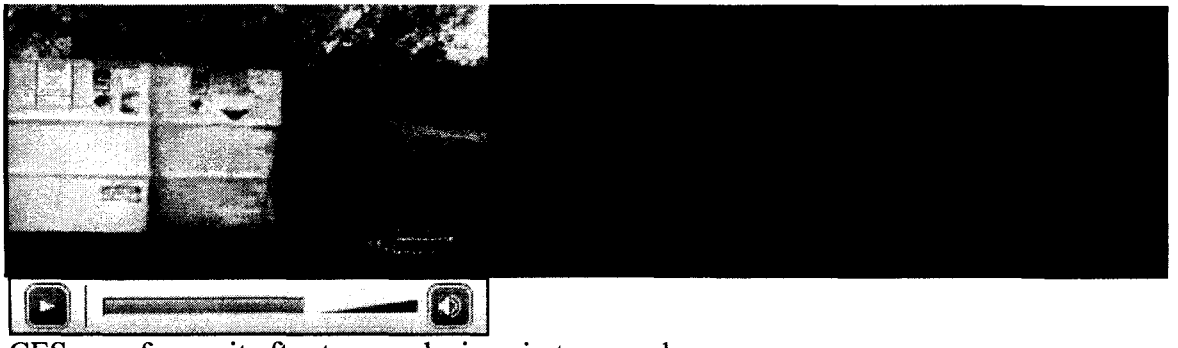
CES may face suit after two explosions

09:08 PM CST on Wednesday, December 17, 2008

Lee McGuire / 11 News

HOUSTON -- The City of Houston may be days away from filing a suit against a plant that neighbors said put them in danger. But the owners of CES Environmental Services said the plant is a valuable company that has created 75 jobs in the last year during a tough economy.

Video



CES may face suit after two explosions in two weeks
December 17, 2008
View larger
E-mail Clip
More Video

However, the plant has had two explosions in the last two weeks, and a day after the plant's second explosion a neighbor said the real problem is the smell.

"I don't know what it is, but it's a smell that makes people sick," said Ray Whitmire, resident.

The first explosion sent debris flying after a new thermal oxidizer used to clear up odor had blown up.

Now 11 News has learned that the city had been asking questions about that device for more than a month.

On October 28, the city said it asked for a copy of the Thermal Oxidizer permit and for a description of chemicals being processed at the plant. The city attorney claimed he never received a response.

Plant managers claim they provided all documents that the city has requested.

"Frankly their response surprises me because I'm not aware of any documents the city has asked for that we have been unable to provide. If there's something that we haven't

provided that they need, then we'd be happy to provide it," said Greg Bowman, CES Vice President.

If the city sues it would most likely do so under the nuisance ordinance.

Most recently, that ordinance has been used to shut down motels that charge by the hour.

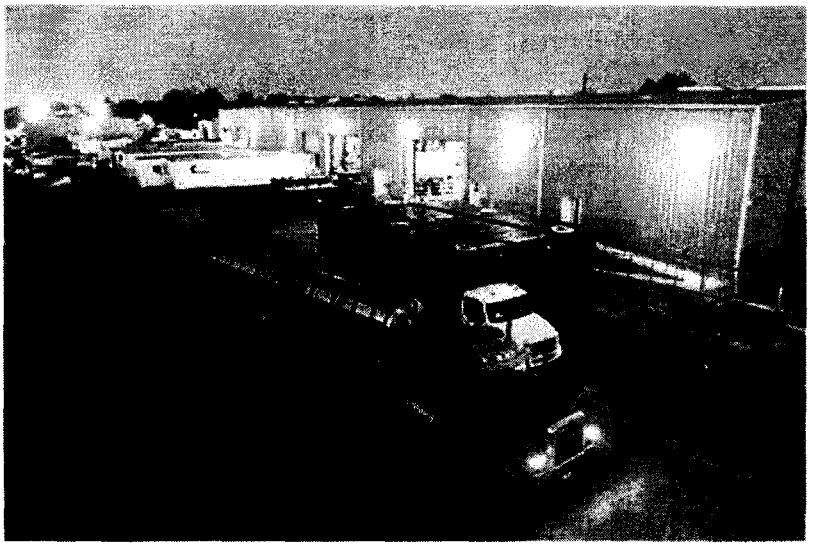
"We're using our vigorous legal powers to protect our neighborhoods" said Mayor Bill White.

CES managers said the city is grasping at straws to shut down an unpopular plant.

"If they don't have anything more substantial in order to pressure us to do what they want us to do, then the nuisance ordinance is a viable option for them," said Bowman.

THURSDAY, DECEMBER 11, 2008

Waste Processing: Smells and Explosions in McGregor Terrace



NEIGHBORS OF A permitted, non-hazardous **waste treatment and disposal plant** less than a mile south of **Riverside Terrace** have been upset by the **stench** that regularly rises from the **new facility.** And last weekend there was a bit of an **eruption** at the **CES Environmental Services** plant at **4904 Griggs Rd.:**

No one was **injured** in Saturday's **explosion,** but it was the latest in a **series of incidents** involving the treatment facility, which is permitted to handle **non-hazardous industrial waste,** such as used oil.

The city has received **more than 135 complaints** about the plant this year, mostly related to the **odors.**

So **what** exactly **landed in the yards** along Grace Lane in **McGregor Terrace?** Exploded **waste?**

* * *

The equipment, known as a **thermal oxidizer, ruptured under pressure** after it took on **too much air,** Bowman said. At least **a dozen pieces of metal,** some as wide as **four feet,** landed in the neighborhood.

"We've **tried** to be a **good neighbor,"** he said. **"Nobody is perfect,** and we **don't claim to be.** This incident is **very unfortunate,** and we'll **make sure** it **doesn't happen again."**

- Plant explosion galvanizes neighbors [Houston Chronicle]
- Location [CES Environmental Services]

Photo of CES Environmental Services Plant at 4904 Griggs Rd.: *CES Environmental Services*

1:23 pm | Add a Comment | ShareThis

8-5-09
N-1

Copy of
OSHA Complaint
#311960975

& Citation & Notification
of Penalty

ORignal in "hotdocs"

FROM Box#89

U. S. DEPARTMENT OF LABOR

OFFICE OF THE SOLICITOR
525 S. Griffin Street, Suite 501
Dallas, Texas 75202
(972) 850-3100
(972) 850-3101 Fax

Reply to the Attention of: ASHairston: bad

July 27, 2009

Mr. Ray H. Darling, Jr.
Executive Secretary
Occupational Safety and Health
Review Commission
1120 20th Street, N.W., Room 980
Washington, D. C. 20036-3419

Re: Secretary v. Port Arthur Chemical & Environmental Services
OSHRC Docket No.
OSHA Inspection No. 311960975
RSOL Case No. 09-01011

Dear Mr. Darling:

Enclosed for filing are the original and two copies of a Complaint. Please file and return a date stamped copy in the enclosed envelope.

If you have any questions, please contact me at (972) 850-3142.

Respectfully,

Amy S. Hairston
Attorney

Enclosures:
Complaint
Envelope

cc: Greg Bowman
CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021

UNITED STATES OF AMERICA
OCCUPATIONAL SAFETY AND HEALTH REVIEW COMMISSION

HILDA L. SOLIS, Secretary of Labor, United States Department of Labor Complainant, v. PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES and its Successors, Respondent.	)	OSHRC Docket No. Inspection No. 311960975

COMPLAINT

An inspection has disclosed that, at the times and in the manner hereinafter stated, the provisions of Section 5(a) of the Occupational Safety and Health Act of 1970, 29 U.S.C. § 651, *et seq.*, hereinafter referred to as the Act, have been violated. It is, therefore, alleged and charged that:

I.

Jurisdiction of this proceeding is conferred upon the Occupational Safety and Health Review Commission, hereinafter referred to as the Commission, by Section 10(c) of the Act, 29 U.S.C. § 659(c).

II.

Respondent is an employer engaged in a business affecting commerce within the meaning of Section 3(5) of the Act, 29 U.S.C. § 652(5).

III.

As a result of an inspection at respondent's workplace by an authorized representative of complainant, respondent was issued a citation for serious, and other than serious violations pursuant to Section 9(a) of the Act. The violations are set forth in the attached citation marked as Exhibit A and adopted by reference pursuant to 29 C.F.R. § 2200.30(d).

IV.

Exhibit A states with particularity the time, location, place, and circumstances of such alleged violation.

V.

On July 7, 2009, Complainant received from Respondent a notice of intent to contest the aforesaid citation pursuant to the provisions of § 10(c) of the Act.

VI.

The penalty proposed for the violation set forth in Exhibit A is appropriate within the meaning of § 17(j) of the Act, giving due consideration to the size of the business, the gravity of the violation, the good faith of the respondent, and the history of previous violations.

VII.

The period for abatement of the alleged violation is based upon a consideration of all known pertinent facts. Considerations useful to arriving at an abatement date include (1) the gravity of the alleged violation, (2) the availability of needed equipment, material, and/or personnel, (3) the time required for delivery, installation, modification of construction, and (4) training of personnel.

WHEREFORE PREMISES CONSIDERED, Complainant demands the Commission issue an order pursuant to Section 10(c) of the Act, 29 U.S.C. § 659(c), affirming the citation.

Respectfully Submitted,

CAROL A. DE DEO
Deputy Solicitor for National Operations

JAMES E. CULP
Regional Solicitor

MADELEINE T. LE
Counsel for Occupational Safety & Health

By:

AMY S. HAIRSTON
Attorney

Attorneys for Complainant.

U. S. Department of Labor
Office of the Solicitor
525 Griffin Street, Suite 501
Dallas, Texas 75202
Telephone (972) 850-3100
Facsimile (972) 850-3101

RSOL Case No. 09-09-01011

CERTIFICATE OF SERVICE

The undersigned certifies that a true and correct copy of the foregoing Complaint was served upon the attorney of record of all parties, as shown by the letter of transmittal incorporated herein by reference, by depositing the same in the United States mail in an envelope addressed to such parties' or attorney's last known address:

Greg Bowman
CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021

Signed this 27th day of July, 2009.

AMY S. HAIRSTON

NOTICE TO RESPONDENT/EMPLOYER

You are hereby notified that you must file an answer to this complaint proposing penalty, in which you include a plain and concise statement of the reasons you have contested each of the violations cited in the complaint proposing penalty, whether you admit that a violation occurred, and whether you request a hearing. Such answer must be filed with the Occupational Safety and Health Review Commission, within 20 days from the date of service of this complaint proposing penalty. See the Commission's rules at 29 CFR 2200.34(b)(1). A copy of your answer must be sent to the Office of the Solicitor, at the address appearing above. Failure to file an answer may result in default being entered against you on this petition, under 29 CFR 2200.41.

U.S. Department of Labor
Occupational Safety and Health Administration
Houston South Area Office
17625 El Camino Real, Suite 400
Houston, TX 77058
Phone: (281)286-0583 FAX: (281)286-6352

Citation and Notification of Penalty

To:
Port Arthur Chemical & Environmental Services

and its successors
2420 South Gulfway Dr.
Port Arthur, TX 77640

Inspection Site:
2420 South Gulfway Dr.
Port Arthur, TX 77640

Inspection Number: 311960975
Inspection Date(s): 12/19/2008 - 03/18/2009

Issuance Date: 06/17/2009

The violation(s) described in this Citation and Notification of Penalty is (are) alleged to have occurred on or about the day(s) the inspection was made unless otherwise indicated within the description given below.

This Citation and Notification of Penalty (this Citation) describes violations of the Occupational Safety and Health Act of 1970. The penalty(ies) listed herein is (are) based on these violations. You must abate the violations referred to in this Citation by the dates listed and pay the penalties proposed, unless within 15 working days (excluding weekends and Federal holidays) from your receipt of this Citation and Notification of Penalty you mail a notice of contest to the U.S. Department of Labor Area Office at the address shown above. Please refer to the enclosed booklet (OSHA 3000) which outlines your rights and responsibilities and which should be read in conjunction with this form. Issuance of this Citation does not constitute a finding that a violation of the Act has occurred unless there is a failure to contest as provided for in the Act or, if contested, unless this Citation is affirmed by the Review Commission or a court.

Posting - The law requires that a copy of this Citation and Notification of Penalty be posted immediately in a prominent place at or near the location of the violation(s) cited herein, or , if it is not practicable because of the nature of the employer's operations, where it will be readily observable by all affected employees. This Citation must remain posted until the violation(s) cited herein has (have) been abated, or for 3 working days (excluding weekends and Federal holidays), whichever is longer. **The penalty dollar amounts need not be posted and may be marked out or covered up prior to posting.**

Informal Conference - An informal conference is not required. However, if you wish to have such a conference you may request one with the Area Director during the 15 working day contest period. During such an informal conference you may present any evidence or views which you believe would support an adjustment to the citation(s) and/or penalty(ies).

EPAHO089000028

If you are considering a request for an informal conference to discuss any issues related to this Citation and Notification of Penalty, you must take care to schedule it early enough to allow time to contest after the informal conference, should you decide to do so. Please keep in mind that a written letter of intent to contest must be submitted to the Area Director within 15 working days of your receipt of this Citation. The running of this contest period is not interrupted by an informal conference.

If you decide to request an informal conference, please complete, remove and post the page 4 Notice to Employees next to this Citation and Notification of Penalty as soon as the time, date, and place of the informal conference have been determined. Be sure to bring to the conference any and all supporting documentation of existing conditions as well as any abatement steps taken thus far. If conditions warrant, we can enter into an informal settlement agreement which amicably resolves this matter without litigation or contest.

Right to Contest - You have the right to contest this Citation and Notification of Penalty. You may contest all citation items or only individual items. You may also contest proposed penalties and/or abatement dates without contesting the underlying violations. **Unless you inform the Area Director in writing that you intend to contest the citation(s) and/or proposed penalty(ies) within 15 working days after receipt, the citation(s) and the proposed penalty(ies) will become a final order of the Occupational Safety and Health Review Commission and may not be reviewed by any court or agency.**

Penalty Payment - Penalties are due within 15 working days of receipt of this notification unless contested. (See the enclosed booklet and the additional information provided related to the Debt Collection Act of 1982.) Make your check or money order payable to "DOL-OSHA". Please indicate the Inspection Number on the remittance.

OSHA does not agree to any restrictions or conditions or endorsements put on any check or money order for less than the full amount due, and will cash the check or money order as if these restrictions, conditions, or endorsements do not exist.

Notification of Corrective Action - For violations which you do not contest, you should notify the U.S. Department of Labor Area Office promptly by letter that you have taken appropriate corrective action within the time frame set forth on this Citation. Please inform the Area Office in writing of the abatement steps you have taken and of their dates, together with adequate supporting documentation, e.g., drawings or photographs of corrected conditions, purchase/work orders related to abatement actions, air sampling results, etc.
(Please see attached "**Corrective Action Verification.**")

Employer Discrimination Unlawful - The law prohibits discrimination by an employer against an employee for filing a complaint or for exercising any rights under this Act. An employee who believes that he/she has been discriminated against may file a complaint no later than 30 days after the discrimination occurred with the U.S. Department of Labor Area Office at the address shown above.

Employer Rights and Responsibilities - The enclosed booklet (OSHA 3000) outlines additional employer rights and responsibilities and should be read in conjunction with this notification.

Notice to Employees - The law gives an employee or his/her representative the opportunity to object to any abatement date set for a violation if he/she believes the date to be unreasonable. The contest must be mailed to the U.S. Department of Labor Area Office at the address shown above and postmarked within 15 working days (excluding weekends and Federal holidays) of the receipt by the employer of this Citation and Notification of Penalty.

Corrective Action Verification

Dear Sir:

OSHA's inspections are intended to result in the abatement/correction of violations of the OSHAct. To verify that this has been accomplished, Section 1903.19 requires that an employer certify to OSHA, within ten (10) days of the final abatement date that each item cited has been corrected.

This abatement certification letter must include the following:

Name of Employer

OSHA Inspection Number

Citation and Item Numbers to which the submission relates

The date each item was abated, specific action taken to abate each violation and appropriate documentation for the action taken. Where appropriate, this documentation should include photographs, work orders, purchase orders, personal protective equipment provided, standard operation procedures, copies of written programs, engineering controls, monitoring data, etc. Adequate supporting documentation may allow us to close the case file. **The lack of adequate documentation could result in a follow-up inspection.**

A statement that affected employees and their representatives have been informed of the abatement actions

A statement that the information submitted is accurate

The signature of the employer or the employer's authorized representative.

Following is a sample format that may be used for this submittal:

Name of Employer _____

Citation Number	Item No. Instance No.	Date Item Abated	Corrective Action Taken

Date this letter of submission posted_____

I certify that the information submitted is correct.

_____

Employer or Authorized Representative

EPAHO089000030

NOTICE TO EMPLOYEES OF INFORMAL CONFERENCE

An informal conference has been scheduled with OSHA to discuss the citation(s) issued on _ _____ 06/17/2009. The conference will be held at the OSHA office located at Houston South Area Office, 17625 El Camino Real, Suite 400, Houston, TX, 77058 on _____ at _____. Employees and/or representatives of employees have a right to attend an informal conference.

EPAHO089000031

Citation and Notification of Penalty

Company Name: Port Arthur Chemical & Environmental Services
Inspection Site: 2420 South Gulfway Dr., Port Arthur, TX 77640

Citation 1 Item 1 Type of Violation: Serious

29 CFR 1910.120(p)(1): The program was not designed to identify, evaluate and control safety and health hazards in their facilities for the purpose of employee protection, to provide for emergency responses meeting the requirements of 29 CFR 1910.120(p)(8), and to address as appropriate site analysis, engineering controls, maximum exposure limits, hazardous waste handling procedures, and uses of new technologies:

a) On or about December 18, 2008, and at times theretofore, at Port Arthur Chemical and Environmental Services, the employer did not develop and implement safe sampling procedures to prevent exposure to hydrogen sulfide.

Date By Which Violation Must be Abated: 07/14/2009
Proposed Penalty: $ 2000.00

Citation 1 Item 2 Type of Violation: Serious

29 CFR 1910.120(p)(4): A decontamination procedure meeting the requirements of 29 CFR 1910.120(k) was not developed and implemented:

a) On or about December 18, 2008, and at times thereafter, at Port Arthur Chemical and Environmental Services, the employer did not develop and implement decontamination procedures.

Date By Which Violation Must be Abated: 07/14/2009
Proposed Penalty: $ 2000.00

Citation and Notification of Penalty

Company Name: Port Arthur Chemical & Environmental Services
Inspection Site: 2420 South Gulfway Dr., Port Arthur, TX 77640

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury resulting from an accident.

Citation 1 Item 3a Type of Violation: Serious

29 CFR 1910.134(d)(1)(i):The employer did not select and provide an appropriate respirator based on the respiratory hazard(s) to which the worker is exposed:

a) On or about December 18, 2008, and at times theretofore and thereafter, at Port Arthur Chemical and Environmental Services, the employer did not select and provide appropriate respirators to protect against unknown levels of hydrogen sulfide.

Date By Which Violation Must be Abated: 07/07/2009
Proposed Penalty: $ 5600.00

Citation 1 Item 3b Type of Violation: Serious

29 CFR 1910.1000(b)(2): Employees were exposed to airborne concentrations of Hydrogen Sulfide, listed in Table Z-2, in excess of 50 ppm as an acceptable Maximum Peak concentration:

a) On or about December 18, 2008, an employee suffered a fatal exposure to hydrogen sulfide.

Date By Which Violation Must be Abated: Corrected During Inspection

---

Citation and Notification of Penalty

Company Name: Port Arthur Chemical & Environmental Services
Inspection Site: 2420 South Gulfway Dr., Port Arthur, TX 77640

Citation 1 Item 3c Type of Violation: Serious

29 CFR 1910.1000(e): Feasible administrative or engineering controls were not determined and implemented to achieve compliance with the limits prescribed in 29 CFR 1910.1000(a) through (d):

a) On or about December 18, 2008, Port Arthur Chemical and Environmental Services, the employer had not implemented engineering controls to insure hydrogen sulfide exposure did not exceed the prescribed limits.

Date By Which Violation Must be Abated: 08/04/2009

Citation 1 Item 4 Type of Violation: Serious

29 CFR 1910.134(d)(1)(iii): The employer did not identify and evaluate the respiratory hazard(s) in the workplace, including a reasonable estimate of employee exposures to respiratory hazard(s) and an identification of the contaminant's chemical state and physical form:

a) On or about December 18, 2008, for employees performing sampling, the employer did not make a reasonable estimate of exposure to hydrogen sulfide.

Date By Which Violation Must be Abated: 07/07/2009
Proposed Penalty: $ 2000.00

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 311960975
Inspection Dates: 12/19/2008 - 03/18/2009
Issuance Date: 06/17/2009

Citation and Notification of Penalty

Company Name: Port Arthur Chemical & Environmental Services
Inspection Site: 2420 South Gulfway Dr., Port Arthur, TX 77640

Citation 2 Item 1 Type of Violation: Other

CFR 1904.4 (a) (1) Basic requirement. Each employer required by this Part to keep records of fatalities, injuries, and illnesses did not record each fatality, injury and illness that is work-related.

a) At the Port Arthur Chemical and Environmental Services in Port Arthur, TX, the employer failed to record the injuries and illnesses for two incidents.

Date By Which Violation Must be Abated: 06/29/2009
Proposed Penalty: $ 5000.00

MARK R. BRIGGS
Area Director

MFRP

CES Environmental Services, Inc.

MOBIL FACILITY OPERATIONS MANUAL AND RESPONSE PLAN

CES ENVIRONMENTAL SERVICES, INC.

Produced by:

Response Management Associates, Inc.
6620 Cypresswood Drive, Suite 200
Spring, Texas 77379
281-320-9796
http://www.rmaworld.com

CES ENVIRONMENTAL SERVICES, INC.

4904 Griggs Rd.
Houston, TX 77021
713-676-1460

COPY# 1

MOBILE FACILITY OPERATIONS MANUAL

CES ENVIRONMENTAL SERVICES, INC.

Prepared for:

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Rd.
Houston, TX 77021
(713) 676-1460

Submitted to USCG
for review on 16 MAY 2008
Date

Name
Response Management Associates, Inc.

Prepared by:

Response Management Associates, Inc.
6620 Cypresswood Drive, Suite 200
Spring, TX 77379
Phone: (281) 320-9796 ● Fax: (281) 320-9700
www.rmaworld.com

EXAMINED BY THE COAST GUARD.
21 May 08

U.S. Department of Homeland Security

United States Coast Guard

Commander
United States Coast Guard
Sector Houston-Galveston

9640 Clinton Drive
Houston, TX 77029
Staff Symbol: sp
Phone: (713) 671-5105
Fax: (713) 671-5134

16610
June 11, 2008

RECEIVED
JUN 23 2008
EPA

CES Environmental Services
Attn: Mr. Karl Guidry
4904 Griggs Road
Houston, TX 77021

Subj: CES ENVIRONMENTAL SERVICES; FACILITY RESPONSE PLAN, APPROVAL

I have received your letter, dated May 20, 2008, forwarding your Facility Response Plan (FRP) for approval. Upon review, I have found that your FRP meets the requirements of Title 33, Code of Federal Regulations (CFR), Part 154, Subpart F. This approval will remain valid for five years from the date of this letter, unless rescinded in writing by this office.

You must operate your facility per your FRP, including ensuring that required response resources are readily available through contract or other approved means. You must keep a copy of your FRP at the marine transportation related portion of your facility, along with a copy of this approval letter. You are encouraged to keep a copy of your FRP with your facility's Operations Manual. You must review your FRP at least annually and submit any revisions to this office for review and approval per Title 33, CFR, Part 154.1065.

Please ensure that all parties with responsibilities under your FRP are familiar with the updated procedures and requirements contained therein. If you have any questions or concerns regarding this letter, please contact the Waterfront Facilities and Security Branch at (713) 671-5105.

Sincerely,

W. J. DIEHL
Captain, U.S. Coast Guard
Captain of the Port

U.S. Department of Homeland Security
United States Coast Guard

Commander
United States Coast Guard
Sector Houston-Galveston

9640 Clinton Drive
Houston, TX 77029
Staff Symbol: sp
Phone: (713) 671-5105
Fax: (713) 671-5134

16610
June 11, 2008

CES Environmental Services
Attn: Mr. Karl Guidry
4904 Griggs Road
Houston, TX 77021

Subj: CES ENVIRONMENTAL SERVICES; MOBILE OPERATIONS MANUAL, APPROVAL

I have received your letter, dated May 20, 2008, forwarding your facility's Operations Manual for approval. Upon review, I have found that your Operations Manual meets the requirements of Title 33, Code of Federal Regulations (CFR), Parts 154 and 156. The manual has been stamped "Examined by the Coast Guard" to show that it meets federal requirements. The stamped manual has been returned to you with this letter, and a stamped copy of the manual will be kept on file at this office as a reference to your facility's operational procedures. Only those sections of your manual required by Title 33, CFR, Part 154.310 have been reviewed.

Per Title 33, CFR, Part 154.320, any changes or revisions to any part of your Operations Manual must be submitted to this office for review not less than 30 days before the requested effective date of the proposed change or revision. If you have any questions or concerns regarding this letter, please contact the Waterfront Facilities and Security Branch at (713) 671-5105.

Sincerely,

W. J. Diehl

W. J. DIEHL
Captain, U.S. Coast Guard
Captain of the Port

CES Environmental Services, Inc.

LETTER OF INTENT

From: Matt Bowman
4904 Griggs Road
Houston, TX 77021
Phone: (713) 676-1460
Fax: (713) 676-1676

May 20, 2008

To: Commanding Officer - Sector Houston
U.S. Coast Guard
9640 Clinton Drive
Houston, TX 77029

Dear Sir:
Please accept this as a Letter of Intent to operate a mobile facility capable of transferring oil or hazardous materials in bulk to or from a vessel with a capacity of 250 barrels or more. The following information is provided to your office under the provisions of Title 33, Code of Federal Regulations, Part 154.110:

MOBILE FACILITY OWNER/OPERATOR INFORMATION:
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
(713) 676-1460 *(Office)*
(713) 676-1676 *(Fax)*

DISPATCH OFFICE INFORMATION::
CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021
(713) 676-1460 *(Office)*
(713) 676-1676 *(Fax)*

Should you have any questions or comments, please contact me at (713) 676-1460.

Respectfully,

Matt Bowman
President

MOBILE FACILITY OPERATIONS MANUAL AND RESPONSE PLAN

CES ENVIRONMENTAL SERVICES, INC.

Prepared for:

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Rd.
Houston, TX 77021
(713) 676-1460

Prepared by:

Response Management Associates, Inc.
6620 Cypresswood Drive, Suite 200
Spring, TX 77379
Phone: (281) 320-9796 ● Fax: (281) 320-9700
www.rmaworld.com

FOREWORD

EPAHO089000042

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EPAHO089000045

REVISION RECORD

Note: It is the responsibility of the holder of this Plan to insure that all changes and updates are made. The holder should:

- Remove and discard obsolete pages.
- Replace obsolete pages with the updated pages.
- Initial when completed.

CHANGE DATE	PAGE NUMBERS	DESCRIPTION OF CHANGE(S)	INITIAL
February 2008	All	New plan distribution by RMA	

EPAHO089000046

DISTRIBUTION LIST

COPY #	PLAN HOLDER	LOCATION
1-4	CES Environmental Services, Inc. (with CD) 4904 Griggs Rd. Houston, TX 77021	Houston, TX
5	HSE Manager 4904 Griggs Rd. Houston, TX 77021 (Vehicle Copy, no CD)	Houston, TX
6	Commanding Officer – Sector Houston 9640 Clinton Drive Houston, TX 77029 (with CD)	Houston, TX
7	Response Management Associates, Inc. (original USCG Stamped Copy) 6620 Cypresswood Drive, Suite 200 (with CD) Spring, TX 77379	Spring, TX

EPAHO089000047

EPAHO089000048

1.0 GENERAL DATA

1.1 PLAN PURPOSE AND OBJECTIVES

The purpose of this Mobile Facility Operations Manual and Response Plan (Plan) is to describe personnel responsibilities, operating procedures, facility descriptions, and related data concerning the CES Environmental Services, Inc. (Company) mobile facility (Facility) operations. The Plan also documents how the Facility meets or exceeds the operating rules and equipment requirements prescribed by 33 CFR Parts 154 and 156 in conducting cargo transfer operations.

1.2 SCOPE OF PLAN

This Plan contains operating procedures for Facility personnel to utilize in preparing for and conducting marine transfer operations. A description of the operations conducted at the Facility has been detailed in Figure 1.1. Facility transfer operation procedures are provided in Section 5.0.

It is the responsibility of all Facility personnel to be familiar with the contents of this Plan and comply with the procedures and Rules/Regulations that are detailed herein.

1.3 PLAN DISTRIBUTION PROCEDURES

The General Manager shall have the responsibility for distribution of the Plan. Distribution will be handled in the following manner:

- Distribution of the Plan is controlled by the number on the front cover. A distribution list is included in the Foreword of this Plan to facilitate control.

- It is the responsibility of any person holding a copy of the Plan to ensure that the copy is transferred to their replacement in the event of reassignment or change in responsibility.

- Various regulatory agencies will also be distributed a copy of the Plan. The list of agencies is detailed in the Distribution List located in the Foreword.

1.4 PLAN SUBMISSION AND REVIEW PROCEDURES

- For initial submission, two copies of the Plan are submitted to the Captain of the Port (COTP).

- If the Facility is placed in caretaker status then returned to operation, the Plan is still valid unless changes have been made to the Facility. If a change has occurred, two copies of the Plan shall be submitted not less than 30 days prior to the first transfer.

EPAHO089000049

1.4 PLAN SUBMISSION AND REVIEW PROCEDURES (Cont'd)

- Once the COTP determines that the Plan meets the requirements of 33 CFR 154 and 156, the COTP marks one copy of the Plan "Examined by the Coast Guard". This original copy is maintained as noted on the Distribution List.

- If the COTP finds that the Plan does not meet the requirements of 33 CFR 154 and 156, the COTP will return the Plans with an explanation of why it does not meet the requirements of this chapter.

- The Plan is voided if the Facility Operator:

  - Amends the Plan without following the procedures in 33 CFR 154.320.
  - Fails to amend the Plan when required by the COTP.
  - Notifies the COTP in writing that the Facility will be placed in caretaker status.

- The General Manager will coordinate word processing, publication, and distribution efforts for the completion of any revisions and for the maintenance of this Plan.

- Alternative regulatory procedures, methods, or equipment may be approved by the COTP if:

  - Submitted in writing to the COTP 30 days prior to commencement.
  - Compliance with the regulations is impractical.
  - The alternative provides an equivalent level of safety and protection from pollution.

1.5 PLAN REVIEW AND UPDATE PROCEDURES

Incorporation of Plan Revisions

The **Plan Holder**, immediately upon receipt of any revisions, shall:

- Review and insert the revised pages into the Plan.
- Discard the obsolete pages.
- Record this action on the "Revision Record" page in the Foreword.

Agency Revision Requirements

Using the following procedures, the COTP may require the Facility Operator to amend the Plan:

- The COTP will notify the Facility Operator in writing of any inadequacies in the Plan.

- Documentation regarding the inadequacies identified and proposals for amending the Plan may be submitted to the COTP within 45 days from the date of the notice.

EPAHO089000050

1.5 PLAN REVIEW AND UPDATE PROCEDURES (Cont'd)

- After considering all relevant material presented, the COTP will notify the Facility Operator of any amendment required or adopted, or the COTP shall rescind the notice.

- This amendment becomes effective 60 days after the notice is received, unless the Commandant is petitioned. In this case the effective date is delayed pending a decision by the Commandant.

- Petitions to the Commandant must be submitted in writing via the COTP who issued the requirement to amend the Plan.

If the COTP finds that there is a condition requiring immediate action to prevent the discharge or risk of discharge of oil or hazardous material that makes the procedure impractical or contrary to the public interest, the COTP may issue an amendment effective on the date the Facility Operator receives notice of it. The owner or operator may petition the Commandant to review the amendment, but the petition does not delay the amendment.

Amendments to personnel and telephone number lists do not require examination by the COTP, but the COTP must be advised of such amendments as they occur.

Submission of Revisions

When submitting revisions to the applicable agencies, always include the Facility identification number (see Figure 1.3) with the revisions.

The Facility Operator may propose amendments to the Plan by:

- Submitting any proposed amendment and reasons for the amendment to the COTP not less than 30 days before the requested effective date of the proposed amendment; or,

- If an immediate amendment is needed, requesting the COTP to approve the amendment immediately.

Agency Review

The COTP will respond to proposed amendments by:

- Approving or disapproving the proposed amendments.

- Advising the Facility whether the request is approved, in writing, before the requested date of the amendments.

- Including any reasons in the written response if the request is disapproved.

- Immediately approving or rejecting the request if the request is made under 33 CFR 154.32 (b)(2).

EPAHO089000051

1.6 FACILITY EXAMINATIONS

- The Coast Guard may conduct examinations and may require the Facility to conduct equipment tests at any time.

- The COTP will provide the Facility Operator with a written report of the results of the examination.

1.7 REGULATORY COMPLIANCE

This Plan implements Company policy and addresses the following regulatory requirements:

- 33 CFR Part 154, Subparts A, B, and C regarding Operations Plan (amended August 8, 1996, 61FR41458).

- 33 CFR Part 156, Subpart A regarding Oil and Hazardous Material Transfer Operations (amended August 8, 1996, 61FR41458).

EPAHO089000052

FIGURE 1.1

FACILITY INFORMATION

GENERAL INFORMATION	
Company Name:	CES Environmental Services, Inc. 4904 Griggs Rd. Houston, TX 77021 (713) 676-1460 *(Office)* (713) 676-1676 *(Fax)*
Facility Identification #:	TXD008950461
Owner Name:	CES Environmental Services, Inc.
Qualified Individual (QI):	Matt Bowman, President (713) 676-1460 *(Office)* (713) 826-1329 *(Cell)*
Alternate QI:	Steve Stricker, Vice President Field Services and Maintenance (713) 676-1460 *(Office)* (281) 433-7052 *(Cell)*
Telephone/FAX:	Additional telephone references, including 24 hour numbers, for the Facility, Owner, and QI/AQI are provided in Appendix A.

PHYSICAL DESCRIPTION – MARINE OPERATIONS

Description of Operation:

The Company operates 33 trucks, 35 tank trailers and 11 vacuum trailers that offload waste lube oil and diesel fuel from barges and towing vessels primarily in the Houston-Galveston COTP zone. The tank trailers range in size from 5,000 gallons to 8,000 gallons.

Hours of Operation:

24 hours per day, 7 days per week.

Products Handled:

- Diesel
- Gasoline
- Xylene
- Toluene
- Acetic Acid
- Nitric Acid
- Hydrochloric Acid
- Methanol
- Methylene Chloride
- Pentane
- Caustic

Note: Cargo characteristics and hazards are detailed in Section 2.0 and Material Safety Data Sheets (MSDS) are maintained separately at the Company office.

EPAHO089000053

FIGURE 1.1

FACILITY INFORMATION (Cont'd)

PHYSICAL DESCRIPTION – MARINE OPERATIONS (Cont'd)	
Description of Operation:	
Transfer Hoses:	Each transfer hose is marked per specific product to prevent cross contamination and has "MAWP 150PSI" and date of last pressure test. Each transfer hose is pressure tested to 225 psi annually.
Transfer System:	Operates at 150 psig maximum allowable working pressure.
Simultaneous Operations:	These Facilities can conduct transfers from one (1) vessel at a time.
Containment System:	Each Facility has one (1) bucket with a capacity of 5 gallons for use beneath the manifold connection.

USCG DISCHARGE VOLUME CALCULATION

- **Worst Case Discharge (WCD)**
  Discharge from the largest container plus all piping carrying oil between the marine transfer manifold and the non-transportation-related portion of the Facility. The WCD is calculated as follows:

  *Capacity of largest container + { [Maximum Discovery Time (hrs) + Maximum Shutdown Time (hrs)] * Maximum Flow Rate (Bbls/Hr) } + Total Line Fill (Bbls) = WCD (Bbls) 8,000 + { [.05 + .05] * 143} + 14 = 8,028.3 Bbls*

- **Maximum Most Probable Discharge (MMPD)**
  1,200 Bbls or 10% of the WCD, whichever is less
  *8,028 Bbls * 0.1 = 802 Bbls*

- **Average Most Probable Discharge (AMPD)**
  50 Bbls or 1% of the WCD, whichever is less
  *8,028 Bbls * 0.01 = 80 Bbls*

SMOKING AND WARNING SIGNS

- Smoking is prohibited during transfer operations. "No Smoking" signs are posted near the Facility during transfer operations.

- Warning signs are posted during transfer operations and are in compliance with 46 CFR 151.45-2(e)(1) for barges and 46 CFR 153.955 for tank vessels.

EPAHO089000054

FIGURE 1.2

FACILITY DIAGRAM
TYPICAL TANK TRAILERS

Air Machine 104

Trailer 241

EPAHO089000055

FIGURE 1.2

FACILITY DIAGRAM (cont'd)

Trailer 228

Trailer 205

EPAHO089000056

2.0 CARGO DATA

EPAHO089000057

2.1 CARGO GENERIC AND CHEMICAL NAME

PRODUCT	ERG#	APPEARANCE	ODOR
Diesel	128	Colorless to Yellow	Gasoline Like
Gasoline	128	Colorless to Yellow	Characteristic
Xylene	130	Colorless	Aromatic
Toluene	130	Colorless	Sweet, Pungent
Acetic Acid	153 & 132	Colorless	Sour, Vinegar
Nitric Acid	157	Colorless	Acid and suffocating
Hydrochloric Acid	157	Colorless	Pungent and irritating
Methanol	131		
Methylene Chloride	115	Colorless	Chloroform like
Pentane	128	Colorless	Gasoline like
Caustic	154		

Further product detail available in Figures 2.1 - 2.7.

EPAHO089000058

FIGURE 2.1

GASES – FLAMMABLE (Including Refrigerated Liquids)

The following information is intended to provide the initial responder(s) with data that may be useful in making quick decisions and executing prompt response actions. The information is intended for guideline purposes only.

PRODUCTS: **Methylene Chloride**

HAZARD IDENTIFICATION / RECOGNITION

GUIDE NO. 115

DANGERS

- EXTREMELY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air.
- Vapors from liquefied gas are initially heavier than air and spread along the ground.
  CAUTION: Hydrogen (UN1049), Deuterium (UN1957) and Methane (UN1971) are lighter than air and will rise. Hydrogen and Deuterium fires are difficult to detect since they burn with an invisible flame. Use an alternate method of detection (thermal camera, broom handle, etc.)
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices.
- Containers may explode when heated.
- Ruptured cylinders may rocket.

HEALTH

- Move victim to fresh air. Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- Clothing frozen to the skin should be thawed before being removed.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water.
- Do not remove clothing if adhered to skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

PUBLIC SAFETY

- Isolate spill or leak area immediately for at least 100 meters (330 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Many gases are heavier than air and will spread along the ground and collect in low or confined areas (sewers, basements, tanks).
- Keep out of low areas.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1,600 meters (1 mile) in all directions; also, consider initial evacuation for 1,600 meters (1 mile) in all directions.

Information provided by the Emergency Response Guidebook 2004.

EPAHO089000059

FIGURE 2.2

FLAMMABLE LIQUIDS (Non-Polar/Water-Immiscible)

The following information is intended to provide the initial responder(s) with data that may be useful in making quick decisions and executing prompt response actions. The information is intended for guideline purposes only.

PRODUCTS: **Gasoline** **Diesel** **Pentane**

HAZARD IDENTIFICATION / RECOGNITION

GUIDE NO. 128

DANGERS

- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a "P" may polymerize explosively when heated or involved in a fire.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.
- Substance may be transported hot.

HEALTH

- Move victim to fresh air. Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions.

PUBLIC SAFETY

- Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 300 meters (1,000 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

Information provided by the Emergency Response Guidebook 2004.

EPAHO089000060

FIGURE 2.3

FLAMMABLE LIQUIDS (Non-Polar/Water-Immiscible/Noxious)

The following information is intended to provide the initial responder(s) with data that may be useful in making quick decisions and executing prompt response actions. The information is intended for guideline purposes only.

PRODUCTS: **Toluene** **Xylene**

HAZARD IDENTIFICATION / RECOGNITION

GUIDE NO. 130

DANGERS

- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a "P" may polymerize explosively when heated or involved in a fire.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.
- Substance may be transported hot.

HEALTH

- Move victim to fresh air. Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions.

PUBLIC SAFETY

- Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 300 meters (1,000 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

Information provided by the Emergency Response Guidebook 2004.

EPAHO089000061

FIGURE 2.4

FLAMMABLE LIQUIDS (Toxic)

The following information is intended to provide the initial responder(s) with data that may be useful in making quick decisions and executing prompt response actions. The information is intended for guideline purposes only.

PRODUCTS: **Methanol**

HAZARD IDENTIFICATION / RECOGNITION

GUIDE NO. 131

DANGERS

- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a "P" may polymerize explosively when heated or involved in a fire.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.

HEALTH

- **Toxic; may be fatal if inhaled, ingested or absorbed through skin.**
- Move victim to fresh air. Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing. **Do not use mouth-to-mouth method if victim has inhaled or ingested the substance. Use pocket mask equipped with one-way valve or other proper respiratory medical device.**
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water. Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions.

PUBLIC SAFETY

- Isolate spill or leak area immediately for at least 50 meters (160 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 100 meters (320 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

Information provided by the Emergency Response Guidebook 2004.

EPAHO089000062

FIGURE 2.5

FLAMMABLE LIQUIDS/SUBSTANCES-TOXIC AND/OR CORROSIVE (Corrosive)/(Non-Combustible)

The following information is intended to provide the initial responder(s) with data that may be useful in making quick decisions and executing prompt response actions. The information is intended for guideline purposes only.

PRODUCTS: **Acetic Acid**

HAZARD IDENTIFICATION / RECOGNITION

GUIDE NO. 132/153

DANGERS

- FLAMMABLE/COMBUSTIBLE: May be ignited by heat sparks or flames
- TOXIC: Inhalation, ingestion or skin contact may cause severe injury or death.
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
- Fire may produce irritating, corrosive and/or toxic gases.
- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a "P" may polymerize explosively when heated or involved in a fire.
- Runoff to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids are lighter than water.
- Substance may be transported hot.

HEALTH

- Move victim to fresh air. Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions.

PUBLIC SAFETY

- Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 300 meters (1,000 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

Information provided by the Emergency Response Guidebook 2004.

EPAHO089000063

FIGURE 2.6

SUBSTANCES – TOXIC AND/OR CORROSIVE (Non-Combustible)

The following information is intended to provide the initial responder(s) with data that may be useful in making quick decisions and executing prompt response actions. The information is intended for guideline purposes only.

PRODUCTS: **Caustic**

HAZARD IDENTIFICATION / RECOGNITION

GUIDE NO. 154

DANGERS

- TOXIC: Inhalation, ingestion or skin contact may cause severe injury or death.
- Effects of contact or inhalation may be delayed.
- Fire may produce irritating, corrosive and/or toxic gases.
- Oxidizers may ignite combustible (wood, paper, oil, clothing).
- Contact with metals may evolve flammable hydrogen gas.
- Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.
- Containers may explode when heated.

HEALTH

- **Toxic: Inhalation, ingestion or skin contact may cause severe injury or death.**
- Move victim to fresh air. Call 911 or emergency medical service.
- Apply artificial respiration if victim is not breathing. **Do not use mouth-to-mouth method if victim has inhaled or ingested the substance. Use pocket mask equipped with one-way valve or other proper respiratory medical device.**
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, flush skin or eyes with running water for at least 20 minutes.
- Wash skin with soap and water. Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions.

PUBLIC SAFETY

- Isolate spill or leak area immediately for at least 50 meters (160 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

EVACUATION

Large Spill

- Consider initial downwind evacuation for at least 50 meters (160 feet).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

Information provided by the Emergency Response Guidebook 2004.

EPAHO089000064

FIGURE 2.7

SUBSTANCES – TOXIC AND/OR CORROSIVE (Non-Combustible/Water-Sensitive)

The following information is intended to provide the initial responder(s) with data that may be useful in making quick decisions and executing prompt response actions. The information is intended for guideline purposes only.

PRODUCTS: **Nitric Acid** **Hydrochloric Acid**

HAZARD IDENTIFICATION / RECOGNITION

GUIDE NO. 157

DANGERS

- TOXIC: Inhalation, ingestion or skin contact may cause severe injury, burns or death.
- Reaction with water or moist air will release toxic, corrosive or flammable gases.
- Reaction with water may generate much heat increasing concentration of fumes in the air.
- Fire will produce irritating, corrosive and/or toxic gases.
- Contact with metals may evolve flammable hydrogen gases.
- Runoff from fire control or dilution water maybe corrosive and/or toxic and cause pollution.
- Containers may explode when heated.

HEALTH

- Move victim to fresh air. Call 911 or emergency medical service.
- Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
- Avoid spreading material to unaffected skin.
- Keep victim warm and quiet.
- Ensure that medical personnel are aware of the material(s) involved, and take precautions.

PUBLIC SAFETY

- Isolate spill or leak area immediately for at least 30 to 60 meters (100 to 200 feet) in all directions.
- Keep unauthorized personnel away.
- Stay upwind.
- Keep out of low areas.
- Ventilate closed spaces before entering.

EVACUATION

Large Spill

- Consider initial downwind protection for 0.1 to 1.2 km (0.1 to 0.8 miles).

Fire

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

Information provided by the Emergency Response Guidebook 2004.

EPAHO089000065

2.2 CARGO SAFE HANDLING INSTRUCTIONS

Extreme care should be exercised when transfer operations are in progress. Detailed transfer operations procedures are provided in Section 5.0 and emergency response procedures are provided in Section 6.0 of this Plan. Those persons involved in the operations should:

- Ensure that the product is not spilled onto any decks/walking surfaces.
- Ensure that the product is not spilled onto any land or waterway.
- Ensure that any and all fire hazards are eliminated prior to commencing transfer.
- While conducting the connection and disconnection operations, Facility personnel wear gloves, hard hat, eye protection, and life vests.

EPAHO089000066

3.0 CONTAINMENT AND SAFETY SYSTEMS

EPAHO089000067

3.0 CONTAINMENT AND SAFETY SYSTEMS

3.1 SMALL DISCHARGE CONTAINMENT

Each Facility has the following small discharge containment capability:

- A 5-gallon bucket will be placed beneath the manifold hose coupling.
- The buckets are maintained clean of oil and rainwater. Any product contained in the bucket will be emptied into the tank following transfer completion.
- In the event of a drip or leak, all unloading is stopped and the Facility is repaired before any further offloading is permitted.

3.2 DISCHARGE CONTAINMENT EQUIPMENT

Each truck carries a bail of sorbent pads, and buckets to contain small discharges. Other spill response equipment and personnel are available through a contracted OSRO.

3.3 EMERGENCY SHUT-DOWN SYSTEM

In the event of an emergency, the Facility PIC can activate the spring-loaded emergency shut down valve on the truck. Maximum shut down time is approximately 20 seconds. Location of the emergency shutdown is illustrated in Figure 1.2.

3.4 FIRE EXTINGUISHING EQUIPMENT

Each Facility is equipped with a dry chemical extinguisher.

- This extinguishers operate as follows:
  - Stay upwind of fire approximately eight (8) feet.
  - Remove ring pin, if present.
  - Depress puncture handle fully.
  - Squeeze nozzle handle and apply chemical.
  - Aim stream just short of near edge and start side-to-side sweeping motion.
  - Advance forward only as fast as extinguishing agent will permit.
  - Do not raise stream to chase flames.
- Extinguishers are checked monthly and tested as needed.
- Location of the fire extinguishers is illustrated in Figure 1.2.

3.5 PRESSURE RELIEF SYSTEMS

Transfer pumps are equipped with by-pass valves which limit the maximum system pressure to 6 psi.

EPAHO089000068

3.6 LIGHTING

Portable lighting is not used during transfer operations.

3.7 COMMUNICATIONS SYSTEMS

For normal operations face to face, voice communications are used for close ranges. If necessary, intrinsically safe hand-held radios provided by the vessel will be used.

Field communications during a spill response to an average or maximum most probable discharge will be handled via the existing Company communications network. This network will use cellular telephones, landline telephones, fax machines, and computers and will be maintained by Company personnel. In the event of a Worst Case Discharge, field communications will be enhanced with contract resources as the situation demands.

EPAHO089000069

4.0 ORGANIZATIONAL PROCEDURES

EPAHO089000070

4.0 ORGANIZATIONAL PROCEDURES

4.1 DUTY PERSONNEL

Transfer operations are performed by a minimum of two (2) personnel, Facility PIC and a Vessel PIC. The Facility PIC will perform/oversee the startup and shutdown of each transfer operation. Specific duties are included in Sections 5.4 and 5.5 of this Plan.

4.2 PERSON-IN-CHARGE (PIC) TRAINING/QUALIFICATION

The PIC training of employees is accomplished primarily through On-The-Job Training at various facilities serving similar functions with other trained and qualified employees. In order for a person to be designated as a Facility PIC of an oil transfer operation, he/she must spend a minimum of 48 hours with a qualified employee in hands-on transfer operations.

In addition, each Person-In-Charge must have completed a training and qualification program established by the Facility which provides a full working knowledge of the following:

- The hazards of the material being transferred.
- The rules/regulations detailed in 33 CFR 154 and 156.
- The proper operating procedures as described in this Plan.
- Vessel transfer systems.
- Vessel transfer control systems.
- The Facility transfer control system.
- Local discharge reporting procedures.
- Discharge reporting and response procedures.
- Federal, state, and local laws that apply to the transfers.
- The location and operation of all valves used in the transfer operation.
- The proper methods of inspecting the Facility and completing a Declaration of Inspection.
- The use of standard discharge collection.
- The location and use of the Emergency Contact/Notification Data provided in Appendix A.
- Company safety procedures and safety/security policies.

EPAHO089000071

4.2 PERSON-IN-CHARGE (PIC) TRAINING/QUALIFICATION (Cont'd)

Once completed, and the employee is deemed to be fully proficient in the tasks associated with the position, he/she will be designated as a Facility PIC in writing to the USCG - Captain of the Port. A copy of this Letter of Designation will be retained in Appendix E. A sample letter is included in Appendix B.

Additional training is provided for newly established procedures, new equipment, and regulatory updates on an as-needed basis.

Note: Company employee training records are maintained on file at the Company office and are available upon request.

4.3 QUALIFIED INDIVIDUAL

The Qualified Individual (QI) will coordinate with the Federal On-Scene Coordinator (FOSC) and State On-Scene Coordinator (SOSC) throughout the response.

Vital duties of the QI include:

- Activate internal alarms and hazard communication systems to notify all Facility personnel.
- Notify all response personnel, as needed.
- Identify the character, exact source, amount, and extent of the release, as well as the other items needed for notification.
- Notify and provide necessary information to the appropriate Federal, state, and local authorities with designated response roles, including the National Response Center (NRC), Texas General Land Office, Louisiana State Police, and local response agencies.
- Assess the interaction of the spilled substance with water and/or other substances stored at the Facility and notify response personnel at the scene of that assessment.
- Assess the possible hazards to human health and the environment due to the release. This assessment must consider both the direct and indirect effects of the release (i.e., the effects of any toxic, irritating, or asphyxiating gases that may be generated or the effects of any hazardous surface water runoffs from water or chemical agents used to control fire and heat-induced explosion).
- Assess and implement prompt removal actions to contain and remove the substance released.
- Coordinate rescue and response actions as previously arranged with all response personnel.

EPAHO089000072

4.3 QUALIFIED INDIVIDUAL (Cont'd)

- Activate and engage in contracting with oil spill removal organizations.
- Use authority to immediately access company funding to initiate cleanup activities.
- Direct cleanup activities until properly relieved of this responsibility.

The Company President serves as QI and Vice President, Field Services and Maintenance serves as the Alternate Qualified Individual (AQI). Arrangements will be made to ensure that either one or the other is available on a 24-hour basis and is able to arrive at the Facility in a reasonable time. The AQI shall replace the QI in the event of his/her absence and have the same responsibilities and authority.

4.4 SPILL MANAGEMENT TEAM

Led by the Incident Commander, the Spill Management Team (SMT) is composed of the following principal components:

- Command
- Logistics
- Planning
- Finance
- Operations

The SMT is staffed by specially trained personnel from various facility/corporate locations and various contract resources as the situation requires. The SMT organization chart and telephone reference is provided in Appendix A. Command and Unit Leader responsibilities are provided in Appendix F.

4.5 TRAINING

The Company requires that all response personnel, including contractors and casual labor, have the appropriate training necessary to serve on a response team during an emergency. Team members will receive training in the following:

HAZWOPER (29 CFR 1910.120)

Federal and state regulations require that response team members maintain up-to-date HAZWOPER training necessary to function in their assigned positions. At a minimum, Team members will receive "First Responder Awareness Level" training. All personnel responding to an incident must satisfy the applicable HAZWOPER training requirements of 29 CFR 1910.120.

EPAHO089000073

4.5 TRAINING (Cont'd)

OSHA HAZWOPER TRAINING REQUIREMENTS		
Responder Classification	**Required Training Hours**	**Refresher**
29CFR 1910.120(q) Emergency Response		
First Responder - Awareness Level	2-4 hrs demonstration of competency	same
First Responder - Operations Level	8 hrs	8 hrs
Hazardous Materials Technician	24 hrs plus competency	8 hrs
Hazardous Materials Specialist	24 hrs plus competency in specialized areas	8 hrs
Incident Commander	24 hrs plus competency	8 hrs
29CFR 1910.120(e) Clean Up Sites		
General Site Workers	40 hrs / 3 days on the job training	8 hrs
Occasional Workers (Limited Tasks)	24 hrs / 1 day on the job training	8 hrs
General Site Workers (Low Hazard)	24 hrs / 1 day on the job training	8 hrs
Supervisors	8 hrs supervisor training	8 hrs
29CFR 1910.120(p)(7)(8) RCRA TSD Sites		
New Employees	24 hrs	8 hrs
Current Employees*	24 hrs	8 hrs

* Previous work experience and/or training certified as equivalent by employer.

The Company maintains documentation for its Spill Management Team members to demonstrate that they have received the required training, in particular, are appropriately trained per OSHA HAZWOPER regulations or equivalent, and are competent in spill response procedures.

This documentation includes the type of training, the date of the training, and the number of hours completed. Training records for local team members will be maintained at the Company's office for three (3) years.

4.6 SPILL MANAGEMENT TEAM EXERCISES

Company personnel, government agencies, contractors, and other resources must participate in response exercises required by Federal, state or local regulations and as detailed in the "National Preparedness for Response Exercise Program (PREP) Guidelines." The Company will conduct announced and unannounced drills at least annually. The following table lists the annual exercise requirements for facilities. These annual exercise requirements are part of the triennial cycle outlined in the PREP Guidelines.

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4.6 SPILL MANAGEMENT TEAM EXERCISES (Cont'd)

ANNUAL EXERCISE REQUIREMENTS		
TOTAL NUMBER	**FREQUENCY**	**EXERCISE TYPE/DESCRIPTION**
4	Quarterly	QI Notification Exercise
2	Semi-Annual	Equipment Deployment Exercise *(Company-owned equipment)*
1	Annual	Tabletop Exercise
1	Annual	Equipment Deployment Exercise *(OSRO-owned equipment)*
1	Triennial	Unannounced Exercise *(not a separate exercise)* Equipment Deployment Exercises, Tabletop Exercises or actual response may be considered as an unannounced exercise.
NOTE: All response plan components must be exercised at least once in the Triennial Cycle.		

Quarterly QI Notification Exercise

- **Scope:** Exercise communication between Facility personnel and the QI(s) and/or designated alternate(s). At least once each year, one of the notification exercises should be conducted during non-business hours.

- **Objective:** Contact must be made with a QI or designated alternate as identified in the Plan.

- **General:** All personnel receiving notification shall respond to the notification and verify their receipt of the notification. Personnel who do not respond should be contacted to determine whether or not they received the notification.

Semi-Annual Equipment Deployment Exercise

- **Scope:** Response equipment that is owned and operated by the Company is deployed semi-annually. The equipment to be deployed must include the following, at a minimum:

  - one of each type of skimming system; or
  - the equipment necessary to respond to the Facility's Small/Average Most Probable Discharge (AMPD), whichever is less.

- **Objective:** Demonstrate personnel's ability to deploy and operate response equipment. Ensure that the response equipment is in proper working order.

- **General:** The Facility may take credit for actual equipment deployment to a spill or for training sessions as long as the activities are properly documented. This exercise may be an Internal Unannounced Exercise.

EPAHO089000075

4.6 SPILL MANAGEMENT TEAM EXERCISES (Cont'd)

***Annual Equipment Deployment Exercise* (OSRO-owned equipment)**

- **Review:** The Company should determine that the OSRO(s) has completed the equipment deployment exercise requirements and has maintained the necessary documentation. The OSRO may deploy equipment at any location so long as it occurs within an operating environment similar to the Facility's.

***Annual Equipment Deployment Exercise* (OSRO-owned equipment) (Cont'd)**

- **Scope:** OSRO must deploy and operate response equipment identified in the response plan. The equipment to be deployed must include the following, at a minimum:

  - 1,000 feet of representative type of boom.
  - One of each type of skimming system.

- **Objective:** OSRO must demonstrate the ability of the personnel (OSRO) to deploy and operate response equipment (OSRO). Ensure that the response equipment (OSRO) is in proper working order.

Annual Tabletop Exercise

- **Scope:** Exercise the Company's organization, communication, and decision-making in managing a spill response.

- **Objective:** Exercise the response team in a review of the following:

  - Knowledge of the Plan.
  - Proper notifications.
  - Communications system.
  - Ability to access an OSRO.
  - Coordination of internal spill response personnel.
  - Ability to effectively coordinate response activity with the National Response System (NRS) Infrastructure.
  - Ability to access information in the Area Contingency Plan.
  - Verify telephone notification references.

- **General:** A minimum of one Response Team Tabletop Exercise in a triennial cycle will involve a Worst-Case Discharge scenario. This exercise may be an Internal Unannounced Exercise.

EPAHO089000076

4.6 Spill Management Team Exercises (Cont'd)

Government-Initiated Unannounced Exercise

- **Scope:** The Company is required to participate in only one unannounced exercise every 36 months from the date of the last government-initiated unannounced exercise.

- Exercises are limited to approximately four (4) hours in duration.

- Exercises would involve response to a Small/Average Most Probable Discharge scenario.

Government-Initiated Unannounced Exercise (Cont'd)

Exercise would involve equipment deployment to respond to a spill scenario.

- **Objective:** Conduct proper notifications to respond to unannounced scenario of a Small/Average Most Provable Discharge.

- Demonstrate that the response is timely, conducted with an adequate amount of equipment for the scenario, and properly conducted.

- **General:** This exercise is only applicable to those facilities which are randomly chosen.

Exercise Notification, Evaluation, and Documentation

- All exercises should be evaluated, documented, and records maintained at the Company office. Documentation should specify:

  - The type of exercise;
  - Date and time of the exercise;
  - A description of the exercise;
  - The objectives met in the exercise;
  - The components of the response plan exercised; and
  - Lessons learned. (Action items should be developed based upon the lessons learned and a tentative time table should be outlined for the implementation of those items.)

- Exercise documentation should be kept on file for three (3) years.

Area Exercises

- **Scope:** The purpose of the area exercise is to exercise the entire response community in a particular geographic area and to activate and observe the response infrastructure and the ability of the response community to effectively conduct spill response.

EPAHO089000077

4.6 Spill Management Team Exercises (Cont'd)

- **Objective**: The focus is on the interaction between the responsible party and the federal, state, and local government to exercise both the Area Contingency Plan and the responsible parties' Plan.

- **General:** Each exercise is approximately 8-12 hours in duration. The lead Plan holder has the primary voice and final decision authority in the exercise design. However, the exercise is to be conducted as a cooperative effort of the entire exercise team. Some amount of equipment deployment, as appropriate for the release scenario, is also involved.

Scheduling of area exercises is completed under a nationally coordinated system involving federal, state, and local governments as well as Plan holders.

4.7 SITE SAFETY AND HEALTH PLAN DEVELOPMENT

The Incident Commander or Safety Representative is responsible for preparing a Site Safety and Health Plan that establishes site-specific policies, practices, and procedures to protect workers and the public from contacting potential chemical and/or physical hazards. A Site Safety and Health Plan will:

- Describe who is responsible for monitoring site safety.

- Characterize the risks associated with each operation that will be conducted in the area covered by the plan.

- Describe known chemical and physical hazards, and the measures that have been instituted to eliminate the hazards or reduce them to acceptable levels.

- Define the level of HAZWOPER training required for workers commensurate with their job responsibilities.

- Describe site control measures, and will include a site map.

- Describe decontamination procedures for personnel and equipment.

The Site Safety Plan format that can be used is presented in Figure 4.1.

EPAHO089000078

FIGURE 4.1

SITE SAFETY PLAN

I. General

☐ Tank Farm Spill ☐ Pipeline Spill ☐ Spill to Water ☐ Excavation ☐ Other: _____ AFE # _____

Facility: _____

Location: _____

Work to be performed: _____

Issuing Date: _____ Time: _____
Temperature: ____° Wind Direction: ____
Humidity: _____

II. Hazards to be Evaluated

Y	N		Y	N			
☐	☐	Oxygen Deficient/Enriched	☐	☐	Ingestion/Skin Absorption	**SPECIFIC HAZARDS**	
☐	☐	Flammable Atmosphere (Explosion Fire)	☐	☐	Frostbite (LPG Spills)	☐	☐ Gasoline
☐	☐	Toxic Atmosphere: _____	☐	☐	Chemical/MSDS # _____ (Must be attached)	☐	☐ JP5-JP8
☐	☐	Boat Operations	☐	☐	Physical Hazard _____	☐	☐ LPG
☐	☐	Confined Space	☐	☐	Traffic _____	☐	☐ Kerosene/Jet A
			☐	☐	Vapor Cloud	☐	☐ Aromatics
						☐	☐ Diesel Fuel
						☐	☐ Heating Oil
						☐	☐ Other* (see comments) _____

III. Testing & Monitoring (Check required items)

Tests are to be performed in the order listed.

Y	N		Continuous		Frequency
☐	☐	Oxygen Level	☐ Y ☐ N	_____	every _____
☐	☐	LEL	☐ Y ☐ N	_____	every _____
☐	☐	Hydrogen Sulfide	☐ Y ☐ N	_____	every _____
☐	☐	Benzene	☐ Y ☐ N	_____	every _____
☐	☐	Total Hydrocarbons	☐ Y ☐ N	_____	every _____
☐	☐	Other: _____	☐ Y ☐ N	_____	every _____

ACCEPTABLE ENTRY CONDITIONS		PPLC ERT LEAVE AREA
	SPECIAL WORK PRACTICES OR PPE REQUIRED	WORK EFFORTS SHOULD BE DIRECTED AT REDUCING CONCENTRATIONS
19.5 - 23.0% in air	< 19.5% or 23.0% in air	<16.0 or ≥ 23.5% in air
< 10% in air	≥ 10.0 but < 20.0% in air	≥ 20.0% in air
< 10 ppm	≥ 10 but < 100 ppm	≥ 100 ppm
< .5 ppm	≥ .5 but < 10 ppm	≥ 10 ppm
< 300 ppm	≥ 300 but < 750 ppm	≥ 750 ppm

As allowed by applicable standard(s)
Acceptable for 5325 feet of elevation and below.
Hot work is not permitted when LEL is greater than 10% in air.

IV. Required Personal Protective Equipment (Check for required use)

NOTE: PPLC EMPLOYEES DO NOT USE SCBA'S AIRLINE RESPIRATORS

General	Eye Prot.	Respiratory Prot.	Hearing Prot.	Gloves	Footwear	Clothing
☐ Hard Hat	☐ Safety Glasses	☐ SCBA/Air Line w/Escape	☐ Ear Plugs	☐ Leather	☐ Steel-toes	☐ FR Coveralls
☐ Safety Harness	☐ Goggles	☐ Air Line	☐ Ear Muffs	☐ Rubber	☐ Rubber	☐ Tyvek
☐ PFD	☐ Face-shield	☐ Air Purifying (Full Mask)	☐ Combination	☐ Nitrile	☐ Hip-boots	☐ Coated Tyvek
	☐ Tinted Lens	Cartridge Type: ☐ OV ☐ Hepa-OVV		☐ PVC	☐ _____	☐ Saranyx
				☐ _____		☐ _____

Any other special PPE: _____

V. Emergency Information and Rescue Services

Emergency Contact Person: _____ Contact by: _____
Fire Department: _____ Contact by: _____
Ambulance: _____ Contact by: _____
Hospital: _____ Contact by: _____
Rescue Services: _____ Contact by: _____
(if not provided by above)

EPAHO089000079

FIGURE 4.1

SITE SAFETY PLAN (Cont'd)

VI. Required Safety & Rescue Equipment (on site)

☐ Lights ☐ Fall Protection ☐ First Aid Kit ☐ Drinking Water ☐ Fire Extinguisher ☐ Tripod ☐ ***Other:***_____
☐ Ladder ☐ Retrieval Lines ☐ Resuscitator ☐ Communication Method

VII. Comments or Special Work Procedures

VIII. Report All Injuries Immediately

- Isolation & Lockout (identify items to be locked out)
- Establish Work Zones when completed
  - ☐ Hot Zone = Red Ribbon
  - ☐ Warm Zone = Yellow Ribbon
  - ☐ Cold Zone = Blue Ribbon
- Ventilation ☐ Natural ☐ Mechanical
  Continuous ☐ No ☐ Yes
- Flagman/Watchman ☐
- Confined Space - Safety Watch ☐
  (See Exhibit "B" for Permit)
- Evacuation Routes - (Identify on Map)
  - ☐ Air Horn - Emergency
  - ☐ Primary Route
  - ☐ Secondary Route

	Zone													
Oxygen	Time													
	Level													
	By													
LEL	Time													
	Level													
	By													
Hydrogen Sulfide	Time													
	Level													
	By													
Benzene	Time													
	Level													
	By													
VOC	Time													
	Level													
	By													
	Time													
	Level													
	By													
	Time													
	Level													
	By													
	Time													
	Level													
	By													

Equipment: Type: _____ Mfger: _____ Calibration / Expiration: _____
Type: _____ Mfger: _____ Calibration / Expiration: _____

EPAHO089000080

FIGURE 4.1

SITE SAFETY PLAN (Cont'd)

XI. Work Area Diagram Map

Please include wind direction, exclusion zone, support zone, decon area, evacuation routes and significant landmarks.

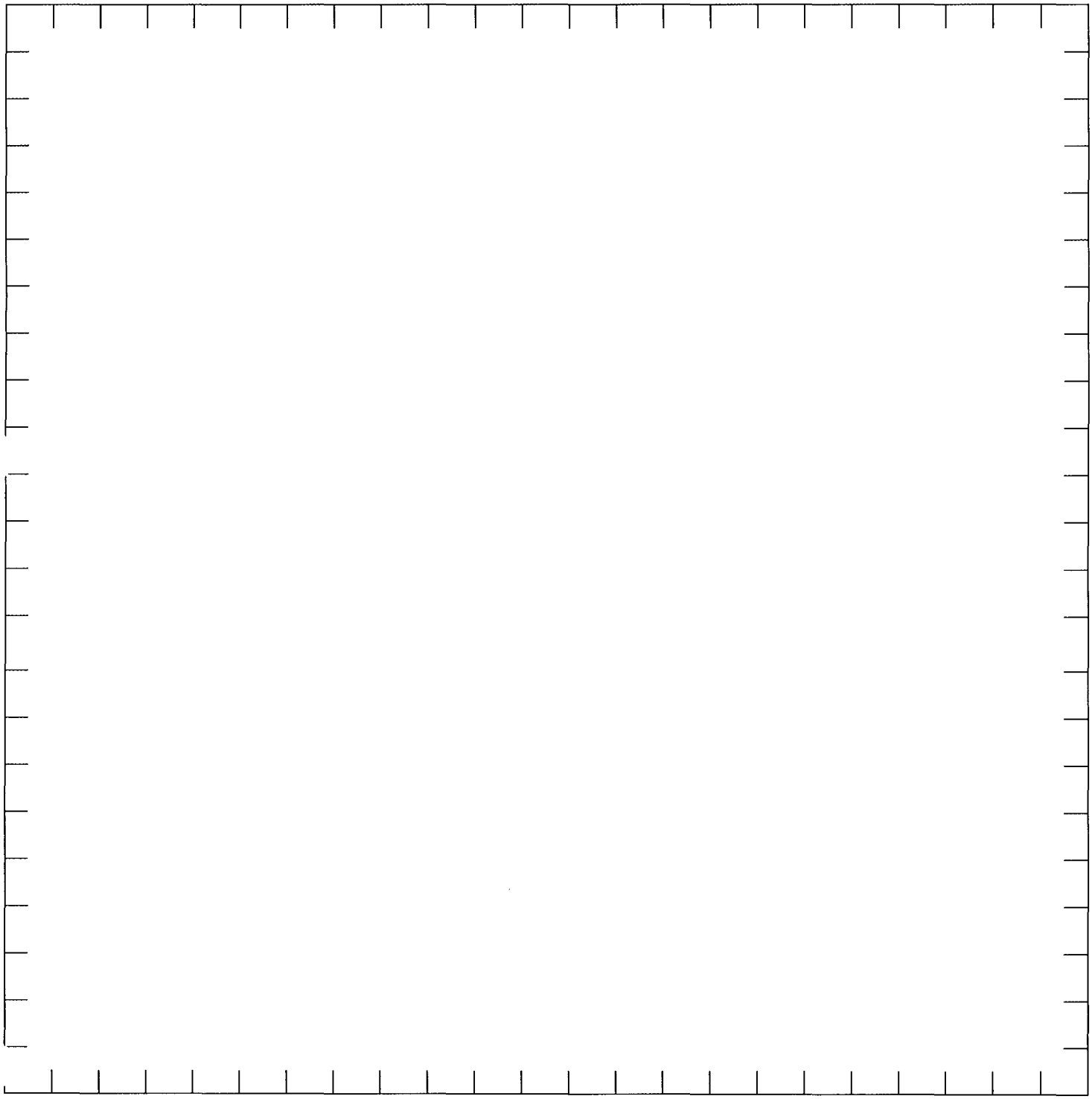


FIGURE 4.1

SITE SAFETY PLAN (Cont'd)

EMPLOYEE CERTIFICATION PAGE

XII. Work Site Signatures

	SIGNATURE
Incident Commander	
Safety Officer	

OTHER SITE PERSONNEL	SIGNATURE	OTHER SITE PERSONNEL	SIGNATURE

XIII. Authorizing Signature

Site Safety Manager: **Printed Name:** _____ **Signature:** _____

I hereby acknowledge and authorize the above work to be performed in accordance with the conditions outlined on this permit. If the work procedures or conditions change creating any unsafe conditions, then this permit is void and work is to be suspended. I understand and affirm that the conditions of this work permit will be followed prior to and during entry into a confined space. I also agree to order the work to be stopped and the confined space evacuated in the event that conditions of the permitted work area fail to meet the permit requirements.

EPAHO089000082

FIGURE 4.2

QUALIFICATION AND TRAINING RECORD
CES ENVIRONMENTAL SERVICES, INC.
MOBILE FACILITY
PERSON-IN-CHARGE

This form shall be utilized for documentation that the individual mentioned below has participated in and completed the following training program to the satisfaction of the supervisor. Completion of this program and execution of this form, qualifies the individual to become a Person-In-Charge of oil transfer operations at the Facility.

NAME: _____

(*The specified individual and his supervisor shall initial the spaces at right*)

		DATE COMPLETED	EMPLOYEE	SUPERVISOR
1.	The individual has undergone a minimum of 48 hours of applicable oil transfer operations experience.			
2.	The individual is fully aware of the hazards of each product transferred.			
3.	The individual has read and understands the regulations detailed in 33 CFR Parts 154, 155, and 156 (see Section 7.1.3 of this Plan).			
4.	The individual has read and understands the operating procedures detailed in this Plan.			
5.	The individual is fully aware of the importance of pollution control.			
6.	The individual is familiar with procedures required for oil spill and discharge reporting and clean up.			
7.	The individual is familiar with operations and maintenance of the Facility's oil spill response and fire fighting equipment.			
8.	The individual has complete knowledge and experience in the operation of Facility transfer and control systems.			
9.	The individual has general knowledge and experience in the operation of vessel transfer and control systems.			
10.	The individual is fully aware of the emergency procedures necessary for response to an oil spill and fire/explosion.			

_____ _____

EMPLOYEE SIGNATURE **APPROVAL (SUPERVISOR)**

_____ _____

DATE **DATE**

EPAHO089000083

EPAHO089000084

5.0 DOCK/TRANSFER OPERATING PROCEDURES

5.1 CARGO TRANSFER HOSES

Each truck is equipped with hoses with the following design and operating characteristics:

- The hoses are pressure tested annually.
- The hoses are pressure tested at 225 psi for 60 minutes.
- The hoses are marked with product type to prevent cross containment and stenciled with the words "MAWP 150 PSI", and date of last pressure test. Paper certification is on file at the Company office. The pressure relief valve setting on the transfer pump is 6 psi.
- The normal pumping pressure is 6 psi.

5.2 EQUIPMENT TESTS AND INSPECTIONS

Hoses and associated equipment are tested in accordance with the following guidelines:

- Facility equipment is tested annually or at least 30 days prior to the first transfer conducted past one year from the date of the last test and inspection.
- Hoses are inspected as follows:
  - During testing of hoses, the entire external surface of the hose will be inspected and will have no unrepaired loose covers, kinks, bulges, soft spots, gouges, cuts or slashes that penetrate the first layer of hose reinforcement.
  - The interior of the hose will also be inspected with both ends of the hose open.
  - The interior and exterior of the hose will have no deterioration.
- Hoses are designed not to burst, bulge, leak, or abnormally distort under static test pressure of 225 psi. The test pressure shall be held for one hour.
- Each transfer system relief valve, if any, shall open at or below its set pressure.
- Pressure gauges are tested and maintained to read within 10% of actual pressure.
- Emergency Shutdown Devices (ESD) are tested to assure performance of its intended function.
- Test fluids used shall be compatible with the equipment being tested.

EPAHO089000085

5.2 EQUIPMENT TESTS AND INSPECTIONS (Cont'd)

- Upon the request of the owner or operator, the COTP may approve alternative methods of compliance to the testing requirements if the COTP determines that the alternative methods provide an equal level of protection.

- Documentation of all test results are retained on file at the Facility. A sample "CARGO HOSE/PIPING INSPECTION AND TESTING REPORT" form is provided in Appendix B to facilitate this documentation.

5.3 DECLARATION OF INSPECTION

- No person may transfer oil or hazardous material to or from a vessel unless each PIC has filled out and signed the Declaration of Inspection (DOI) form (a sample of which is provided in Appendix B).

- No PIC may sign the DOI unless they have determined by inspection, and indicated by initialing in the appropriate space on the form, that the Facility and vessel meet the requirements of the form.

- The DOI may be in any form but must contain at least:

  - the name or other identification of the transferring vessel or facility and the receiving vessel or facility;
  - the address of the facility or location of the transfer operation if not at a facility;
  - the date and time the transfer operation is started;
  - a list of the requirements with spaces on the form following each requirement for the person in charge of the vessel or facility to indicate by initialing that the requirement is met for the transfer operation;
  - a space for the date, time of signing, signature, and title of each person in charge during transfer operations on the transferring/receiving vessel or facility certifying that all tests and inspections have been completed and that they are both ready to begin transferring product; and
  - the date and time the transfer operation is completed.

- The Vessel and Facility PICs shall each have a signed copy of the DOI available for inspection by the COTP during the transfer operation.

- Additional information for the form can be obtained from the cross reference table in Section 7.0.

- One DOI shall be completed for each vessel.

- These forms shall be retained on file at the Company office for at least one month from the date of signature.

EPAHO089000086

5.4 PERSON-IN-CHARGE (PIC) RESPONSIBILITIES

The procedures to be followed by the PIC during transfer operations are as follows:

- Maintain control and surveillance of transfer operations.
- Review and remain familiar with this Plan at all times.
- Fill out a copy of the DOI prior to all transfer operations.
- Ensure that transfer operations are conducted safely and efficiently.
- If equipment deficiencies are found, cease all transfer operations until the problem has been fully resolved.
- There must be a separate designated PIC for the Facility and for the Vessel. A single PIC may suffice if a waiver for this provision is obtained from the USCG -COTP and a copy of the waiver is retained on file at the Company office.
- The PIC's name(s) must be on file with the USCG - COTP. A current PIC list is filed in Appendix D of this Plan.
- The PIC must be able to show proof that he is designated the PIC.
- A person must be present who speaks the language of all PICs.
- No person may serve as the PIC of transfer operations on more than one vessel unless authorized by the COTP.

5.5 TRANSFER PROCEDURES

5.5.1 *Transferring Oil*

- Position truck adjacent to the vessel and set emergency brakes.
- Ensure adequate lighting, if appropriate.
- Only one barge will be transferred at a time utilizing one Facility PIC and one Vessel PIC.
- Conduct the pre-transfer conference with the Vessel PIC. **Record this time as the commencement time on the DOI.** The conference will include:
  - Identity of the material to be transferred
  - Sequence of transfer operations
  - Transfer rate
  - Name or title and location of each person participating in the transfer operation

EPAHO089000087

5.5 TRANSFER PROCEDURES (Cont'd)

5.5.1 *Transferring Oil (Cont'd)*

- Operation of the transferring and receiving systems
- Critical stages of the transfer operation
- Federal and state rules that apply to the transfer of oil
- Emergency procedures
- Discharge containment procedures
- Discharge reporting procedures
- Watch or shift arrangements
- Transfer shutdown procedures

- Check water surface around vessel to determine that there is no cargo leaking from the vessel.

- Establish communications system by supplying the Vessel PIC with a hand-held radio if necessary, and ensure that both PICs are familiar with their operation and procedures to be used in case of an emergency.

- Ensure that discharge containment equipment is properly placed, drains plugged or drain valves closed.

- Ensure that an adequate means of catching product dripping from connections is in place before making the connection.

- Connect hose to truck ensuring that connection is secure.

- Monitor changes in vessel trim throughout the transfer operation, adjusting the mooring lines accordingly.

- Ensure that the hose is properly connected with no leaks or seeping.

- Ensure that there are no open flames, torches, or other sources of ignition in the immediate area. The transfer will not be conducted until all of these are secure.

- Ensure that each part of the transfer system not necessary for the transfer operation is securely blanked-off or shut-off.

- Monitor flow of oil to the truck to ensure tank is not overfilled.

- Instruct any replacement PICs arriving to sign the appropriate location on the Declaration of Inspection.

- Continue periodic vessel and hose inspections throughout the transfer.

- Test communications with the Vessel PIC every two hours.

EPAHO089000088

5.5 TRANSFER PROCEDURES (Cont'd)

5.5.1 *Transferring Oil (Cont'd)*

- The Facility PIC will discontinue transfer of the cargo under any of the following conditions:
  - A fire occurs at the Facility or in the immediate vicinity.
  - A leak occurs in the cargo transfer system.
  - The Vessel PIC requests that the transfer be secured.

5.5.2 *Completion of Transfer*

- Secure the transfer system only after advising the Vessel PIC.
- When the transfer has been completed, shut down pump and secure valves.
- Disconnect hose and drain into receiving tank.
- Empty the drip pan into the receiving tank.
- Record transfer completion date and time on the DOI.

EPAHO089000089

6.0 EMERGENCY RESPONSE

EPAHO089000090

6.1 EMERGENCY CONTACT/NOTIFICATION

Emergency contact/notification will be necessary for various emergency situations. These situations may include the following:

- Oil spill
- Fire/explosion
- Personnel injury
- Severe weather conditions
- Terrorist activity (bomb threats, etc.)

Appendix A details the name and telephone numbers of the Qualified Individuals (QI/AQI) as well as other emergency telephone references.

EPAHO089000091

6.1 EMERGENCY CONTACT/NOTIFICATION (Cont'd)

6.1.1 *Oil Spills*

The occurrence of an Average Most Probable, Maximum Most Probable, or Worst Case Discharge could be the result of any number of scenarios at the Facility including:

- Tank overfill and/or failure
- Piping rupture
- Piping leak, under pressure and not under pressure
- Explosion or fire
- Equipment failure (e.g. pumping system failure, relief valve failure, or other general equipment relevant to operational activities associated with internal or external facility transfers)

In the event of a spill during any transfer operation, the following spill response guidelines should be observed:

INITIAL RESPONSE

- □ Terminate transfer operations and eliminate the source of the spill (shut down pumps, close block valves, etc.).
- □ Drain hose into vessel, containment system, or other storage media and blank line to stop discharge.
- □ Deploy sorbent materials as appropriate to contain/recover discharged liquids.
- □ Direct on-scene containment and recovery activities until relieved by Qualified Individual or Alternate Qualified Individual.

INTERNAL NOTIFICATIONS

- □ Make the following **INTERNAL NOTIFICATIONS** immediately (telephone references are provided in Appendix A):
  - □ Qualified Individual/General Manager
  - □ Alternate Qualified Individual/President

NOTE: In the event of the absence or inability to contact one of the above referenced parties, the calling party should assume the responsibility to continue notifications up the management chain.

EPAHO089000092

6.1 EMERGENCY CONTACT/NOTIFICATION (Cont'd)

6.1.1 *Oil Spills (Cont'd)*

EXTERNAL NOTIFICATIONS

- ☐ Make the following **EXTERNAL NOTIFICATIONS**, or request that they be made immediately (telephone references are provided in Appendix A):
  - ☐ USCG - National Response Center
  - ☐ USCG - Sector/Marine Safety Unit
  - ☐ State Emergency Response Commission (SERC)
  - ☐ Local Emergency Planning Committee (LEPC)
  - ☐ Fire Department (as necessary)
  - ☐ Police or Sheriff's Department (as necessary)
  - ☐ Oil Spill Response Contractors (as necessary)
  - ☐ Other outside resources (as necessary)

Remember, WITHOUT EXCEPTION, Personnel Safety is First Priority.

EPAHO089000093

6.1 EMERGENCY CONTACT/NOTIFICATION (Cont'd)

6.1.2 *Fire/Explosion*

In the event of a fire or explosion during any transfer operation, the following firefighting guidelines should be observed:

INITIAL RESPONSE

- ☐ Terminate transfer operations and eliminate the source of the fire (shut down pumps, close block valves, etc.).
- ☐ IF SAFE, make every effort to mitigate the damage and prevent the fire from spreading by fighting the fire with a dry chemical fire extinguisher (see MSDS). Location of the Facility firefighting equipment is detailed in Section 3.0 of this Plan.

FIRE ALARM PROCEDURES

- ☐ FIRE ALARM PROCEDURES - When an alarm is sounded:
  - ☐ All transfers should be stopped immediately.
  - ☐ All personnel should proceed with extreme caution and attempt to determine the location of the fire.
  - ☐ In the event of a small fire, personnel in the area should attempt to extinguish or control the fire.
  - ☐ In the event of a large fire or explosion, all personnel should proceed to the pre-arranged muster area and await further instructions.

EXTERNAL NOTIFICATIONS

- ☐ Make the following **EXTERNAL NOTIFICATIONS** immediately (Appendix A should be referenced for all phone numbers):
  - ☐ Fire Department (as necessary)
  - ☐ USCG - Sector/Marine Safety Unit
  - ☐ Police or Sheriff's Department (as necessary)
  - ☐ Other outside resources (as necessary)

FIRE / EXPLOSION

EPAHO089000094

6.1 EMERGENCY CONTACT/NOTIFICATION (Cont'd)

6.1.2 *Fire/Explosion (Cont'd)*

INTERNAL NOTIFICATIONS

□ Make the following **INTERNAL NOTIFICATIONS** immediately (Appendix A should be referenced for all phone numbers):

- □ President
- □ Vice President

NOTE: In the event of the absence or inability to contact one of the above referenced parties, the calling party should assume the responsibility to continue notifications up the management chain.

In the event of an oil spill resulting from a fire/explosion, initiate Response and Notification procedures outline in Section 6.1.1.

Remember, WITHOUT EXCEPTION, Personnel Safety is First Priority.

6.1 EMERGENCY CONTACT/NOTIFICATION (Cont'd)

6.1.3 *Personnel Injury*

In the event of personnel injury during transfer operations, the following response actions should be followed:

INITIAL RESPONSE

- □ Terminate transfer operations.
- □ If prudent, move injured party to a safe/stable location.

EXTERNAL NOTIFICATIONS

- □ Make the following **EXTERNAL NOTIFICATIONS** immediately (Appendix A should be referenced for all phone numbers):
  - □ Emergency Medical Services (as necessary)
  - □ Fire Department (as necessary)
  - □ Police or Sheriff's Department (as necessary)
  - □ Other outside resources (as necessary)

INTERNAL NOTIFICATIONS

- □ Make the following **INTERNAL NOTIFICATIONS** immediately (Appendix A should be referenced for all phone numbers):
  - □ President
  - □ Vice President

NOTE: In the event of the absence or inability to contact one of the above referenced parties, the calling party should assume the responsibility to continue notifications up the management chain.

Remember, WITHOUT EXCEPTION,
Personnel Safety is First Priority.

PERSONNEL INJURY

6.1 EMERGENCY CONTACT/NOTIFICATION (Cont'd)

6.1.4 *Severe Weather Conditions*

In the event of severe weather (severe thunderstorms, high winds, etc.), the following safeguards should be observed:

INITIAL RESPONSE

- □ Terminate transfer operations and close all transfer valves.
- □ Secure the area and evacuate as necessary.
- □ Standby for further instructions and for conditions to improve.

ASSOCIATED PROCEDURES

- □ In the event of oil spill, fire/explosion, or personnel injury initiate the procedures detailed in this Section.

Remember, WITHOUT EXCEPTION, Personnel Safety is First Priority.

6.1 EMERGENCY CONTACT/NOTIFICATION (Cont'd)

6.1.5 *Terrorist Activity*

In the event of terrorist activity (bomb threat, civil disorder, etc.) the following safeguards should be observed:

INITIAL RESPONSE

- □ Terminate transfer operations and close all transfer valves.
- □ Secure the area.
- □ Evaluate evacuation based on the type and seriousness of the incident.

EXTERNAL NOTIFICATIONS

- □ Make the following **EXTERNAL NOTIFICATIONS** immediately (telephone references are provided in Appendix A and the Facility Security Plan):
  - □ Fire Department (as necessary)
  - □ Police or Sheriff's Department (as necessary)
  - □ USCG - National Response Center
  - □ USCG - Sector/Marine Safety Unit

INTERNAL NOTIFICATIONS

- □ Make the following **INTERNAL NOTIFICATIONS** immediately (telephone references are provided in Appendix A and the Facility Security Plan):
  - □ President
  - □ Vice President

NOTE: In the event of the absence or inability to contact one of the above referenced parties, the calling party should assume the responsibility to continue notifications up the management chain.

Remember, WITHOUT EXCEPTION, Personnel Safety is First Priority.

TERRORIST ACTIVITY

EPAHO089000098

6.2 ECONOMICALLY IMPORTANT AND ENVIRONMENTALLY SENSITIVE AREAS

Economically Important and Environmentally Sensitive Areas and response actions to protect them are identified on the Texas Coastal Oil Spill Planning Tool Kit CD included in this Plan.

The OSRO contracted to provide equipment and personnel for response activities is identified in Appendix A.

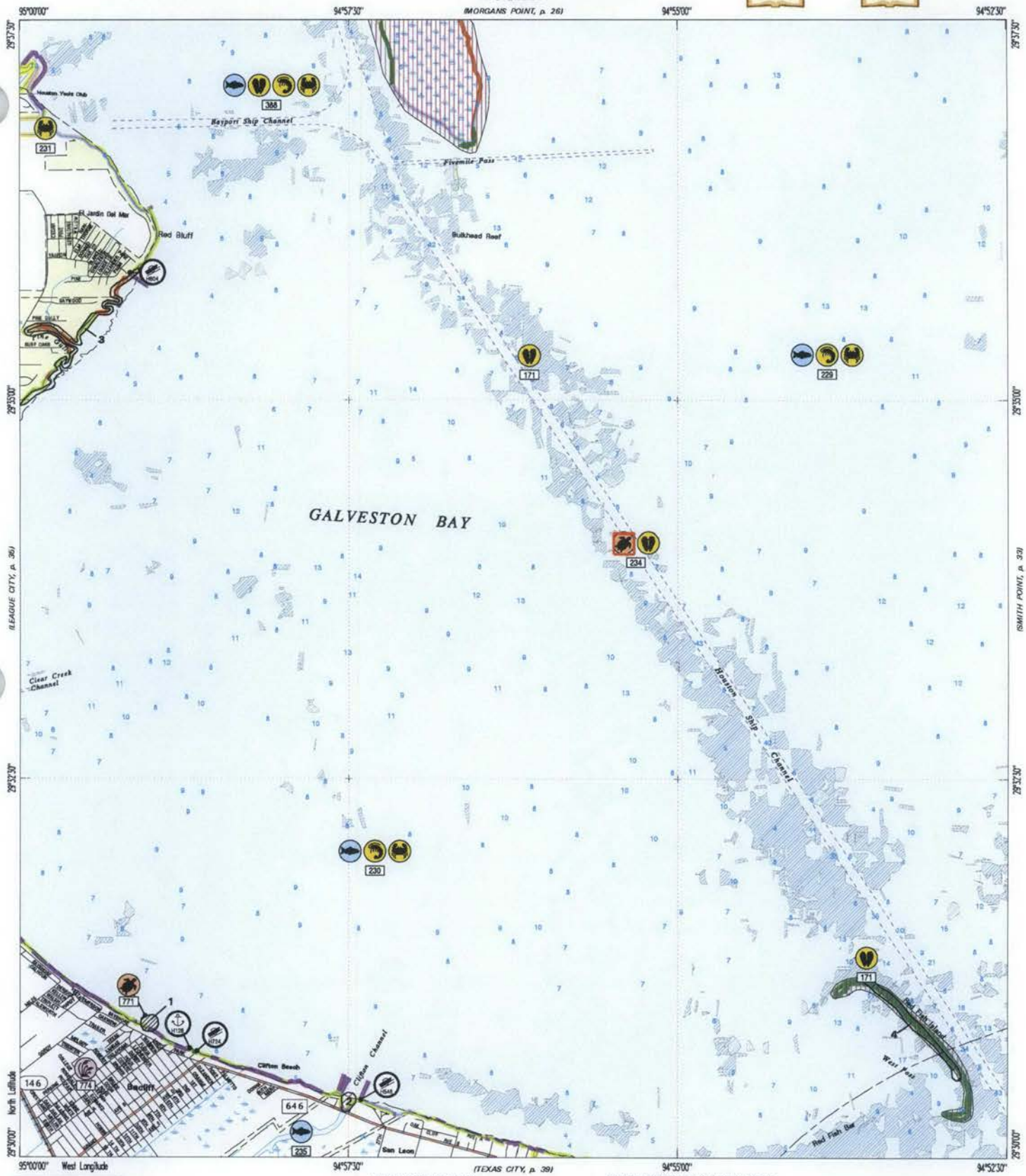
The following ESM maps are included for the Houston Area:

- Bacliff
- Cove
- Highlands
- Jacinto City
- LaPorte
- League City
- Morgans Point
- Park Place
- Pasadena
- Umbrella Point

EPAHO089000099

Bacliff

DATA ACP



TEXAS GENERAL LAND OFFICE OIL SPILL PREVENTION & RESPONSE

NOAA NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION U.S. DEPARTMENT OF COMMERCE

Hazardous Materials Response and Assessment Division

Not For Navigation

Miles

Nautical Miles

5000

Feet

Kilometers

Depth Soundings in Feet

2984-322

HUMAN-USE FEATURES

- Boat Launch Site
- Marina

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

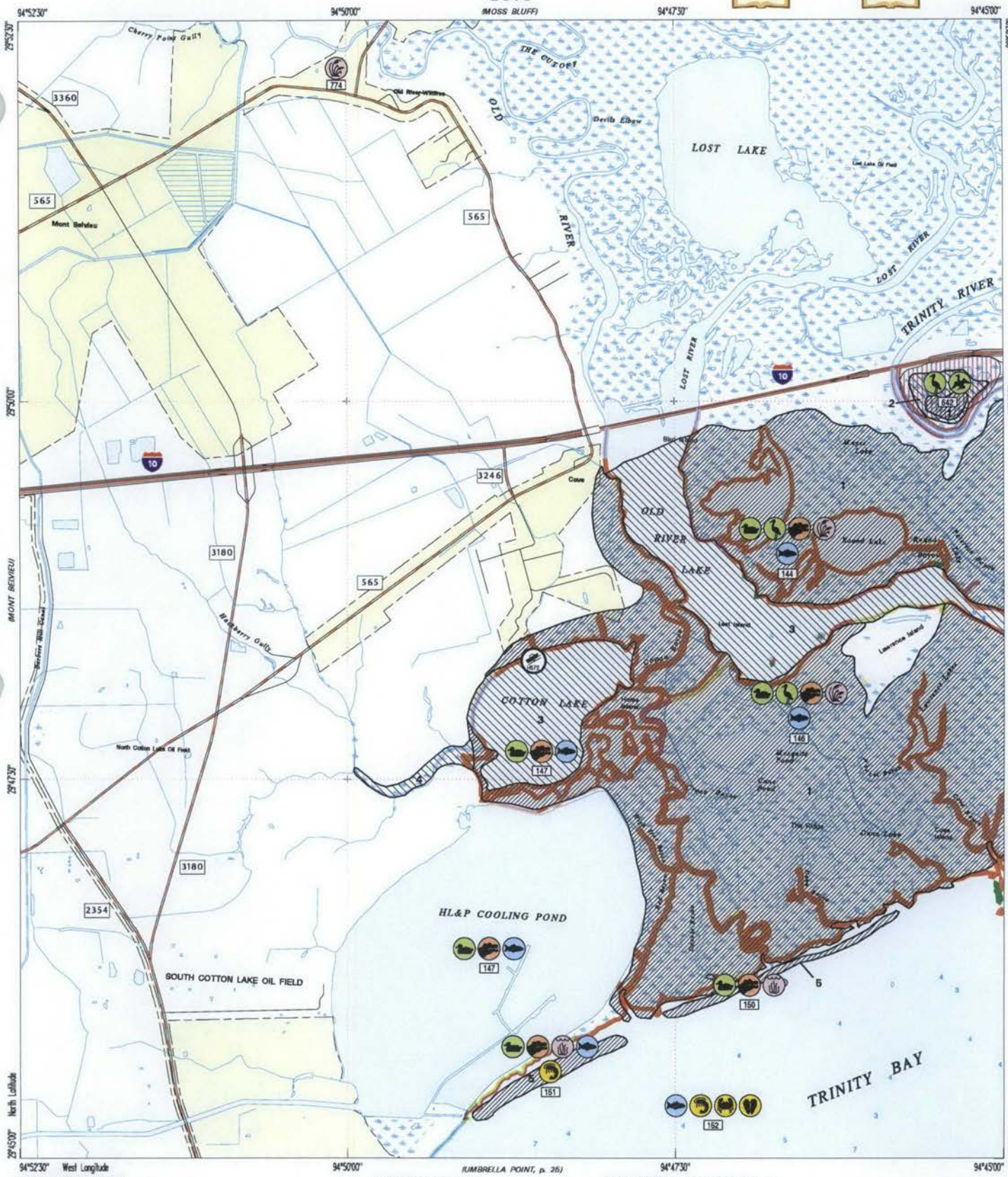
- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
- 9 - Sheltered tidal flats
- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
- 6B - Exposed riprap structures
- 6A - Gravel beaches
- 5 - Mixed sand and gravel beaches
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- Bird Rookery Area
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000100

Cove

DATA ACP



TEXAS GENERAL LAND OFFICE OIL SPILL PREVENTION & RESPONSE

NOAA

Hazardous Materials Response and Assessment Division

Not For Navigation

Miles

Nautical Miles

Feet

Kilometers

Depth Soundings in Feet

2894-331

HUMAN-USE FEATURES

Boat Launch Site

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

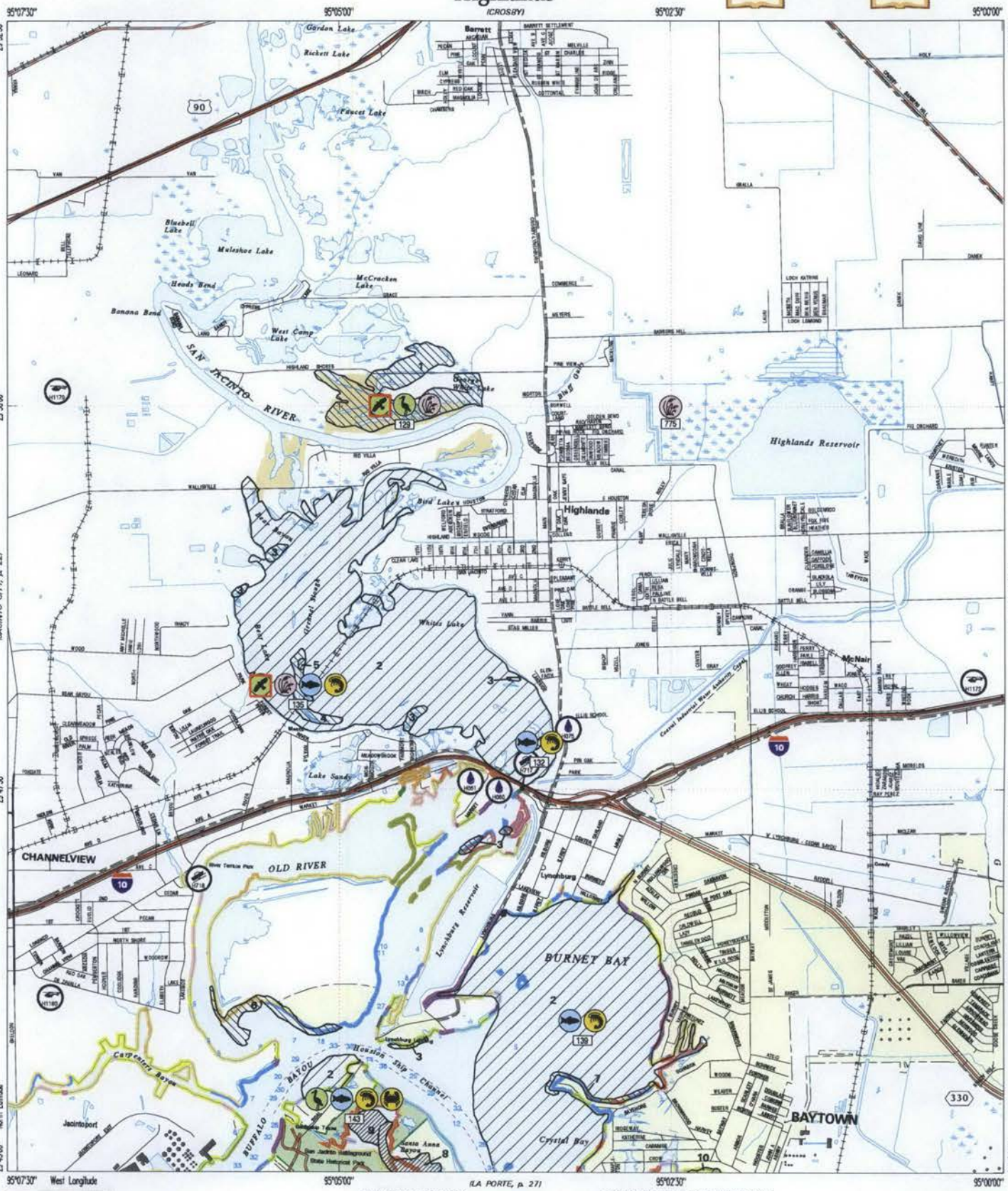
- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
- 9 - Sheltered tidal flats
- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
- 6B - Exposed riprap structures
- 6A - Gravel beaches
- 5 - Mixed sand and gravel beaches
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- Inundated Area
- Bird Rookery Area
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000101

Highlands

(CROSSBY)



HUMAN-USE FEATURES

- Boat Launch Site
- Heliport
- Water Intake Point

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
- 9 - Sheltered tidal flats
- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
- 6B - Exposed riprap structures
- 6A - Gravel beaches
- 5 - Mixed sand and gravel beaches
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- State Park/Wildlife Management Area
- Oyster Reef
- Oyster Shell on Mud

TEXAS GENERAL LAND OFFICE OIL SPILL PREVENTION & RESPONSE

Not For Navigation

Miles
Nautical Miles
Feet 5000
Kilometers

Depth Soundings in Feet

NOAA — National Oceanic and Atmospheric Administration — U.S. Department of Commerce

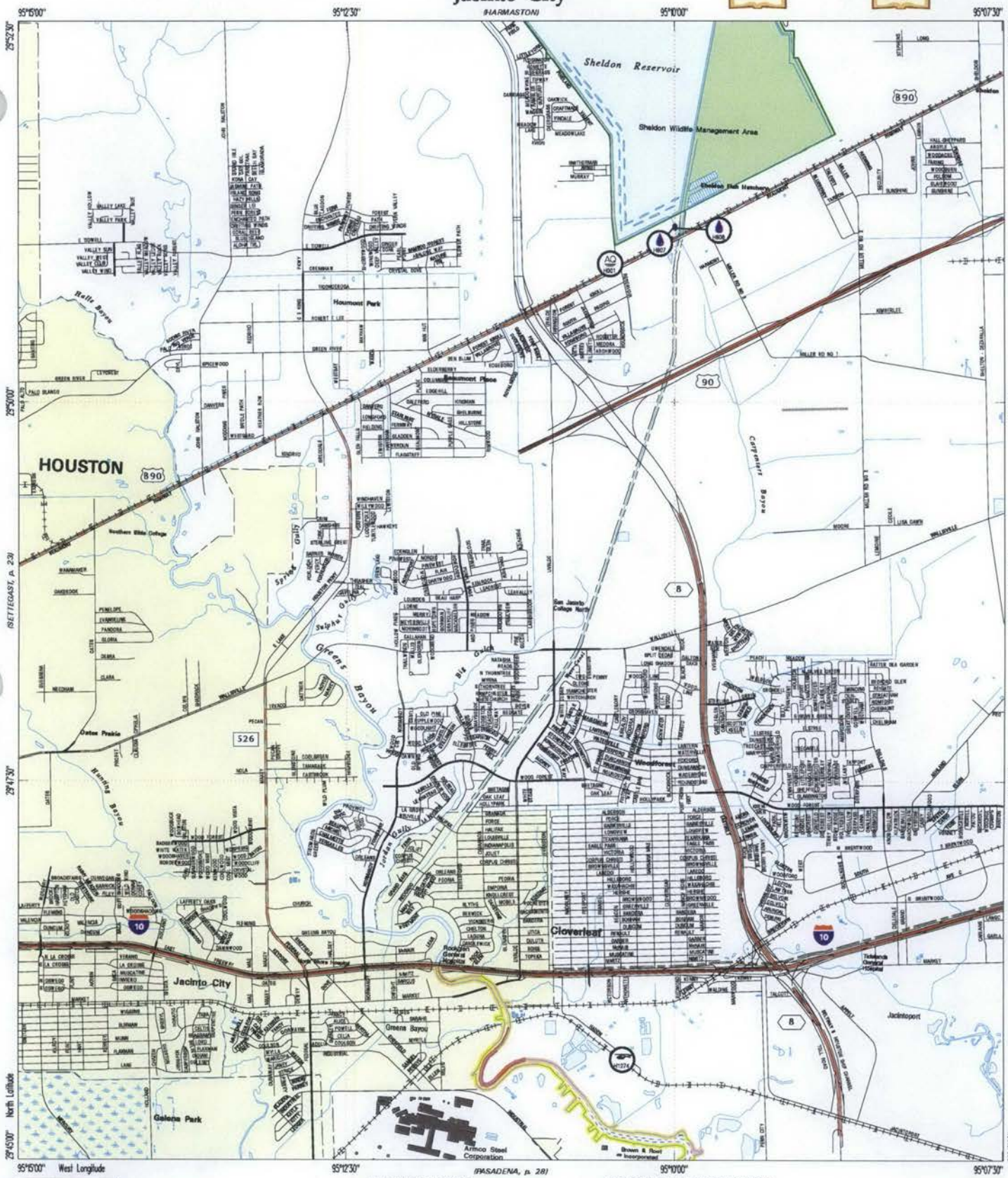
Hazardous Materials Response and Assessment Division

2995-441

EPAHO089000102

Jacinto City

DATA ACP



TEXAS GENERAL LAND OFFICE OIL SPILL PREVENTION & RESPONSE

NOAA — National Oceanic and Atmospheric Administration — U.S. Department of Commerce

Hazardous Materials Response and Assessment Division

Not For Navigation

Miles

Nautical Miles

5000 Feet

Kilometers

Depth Soundings in Feet

2995-442

HUMAN-USE FEATURES

- Aquaculture Site
- Heliport
- Water Intake Point

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

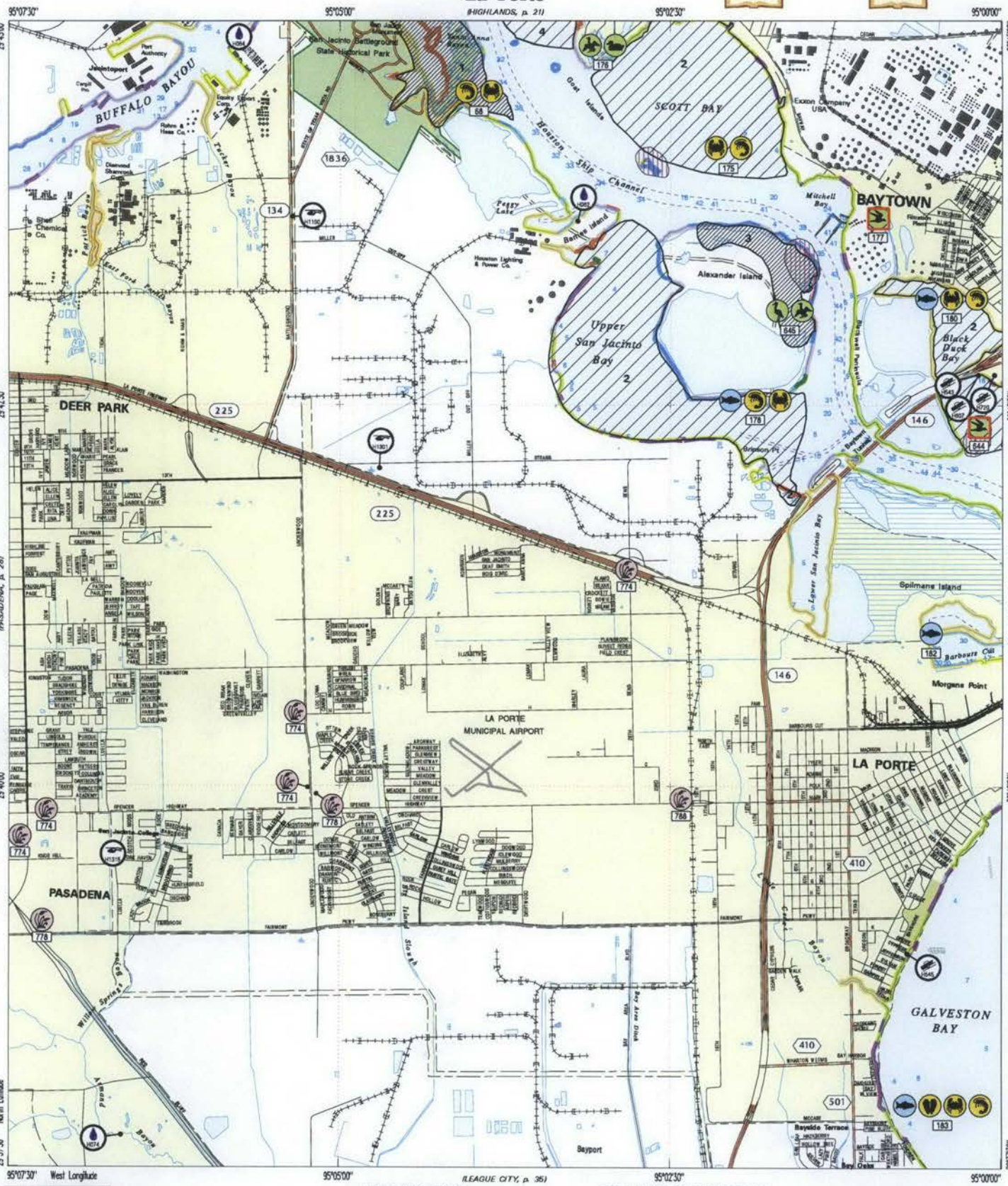
- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
- 9 - Sheltered tidal flats
- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
- 6B - Exposed riprap structures
- 6A - Gravel beaches
- 5 - Mixed sand and gravel beaches
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- State Park/Wildlife Management Area
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000103

La Porte

DATA ACP



TEXAS GENERAL LAND OFFICE OIL SPILL PREVENTION & RESPONSE

NOAA — National Oceanic and Atmospheric Administration — U.S. Department of Commerce

Hazardous Materials Response and Assessment Division

2995-414

Not For Navigation

HUMAN-USE FEATURES

- Boat Launch Site
- Heliport
- Water Intake Point

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

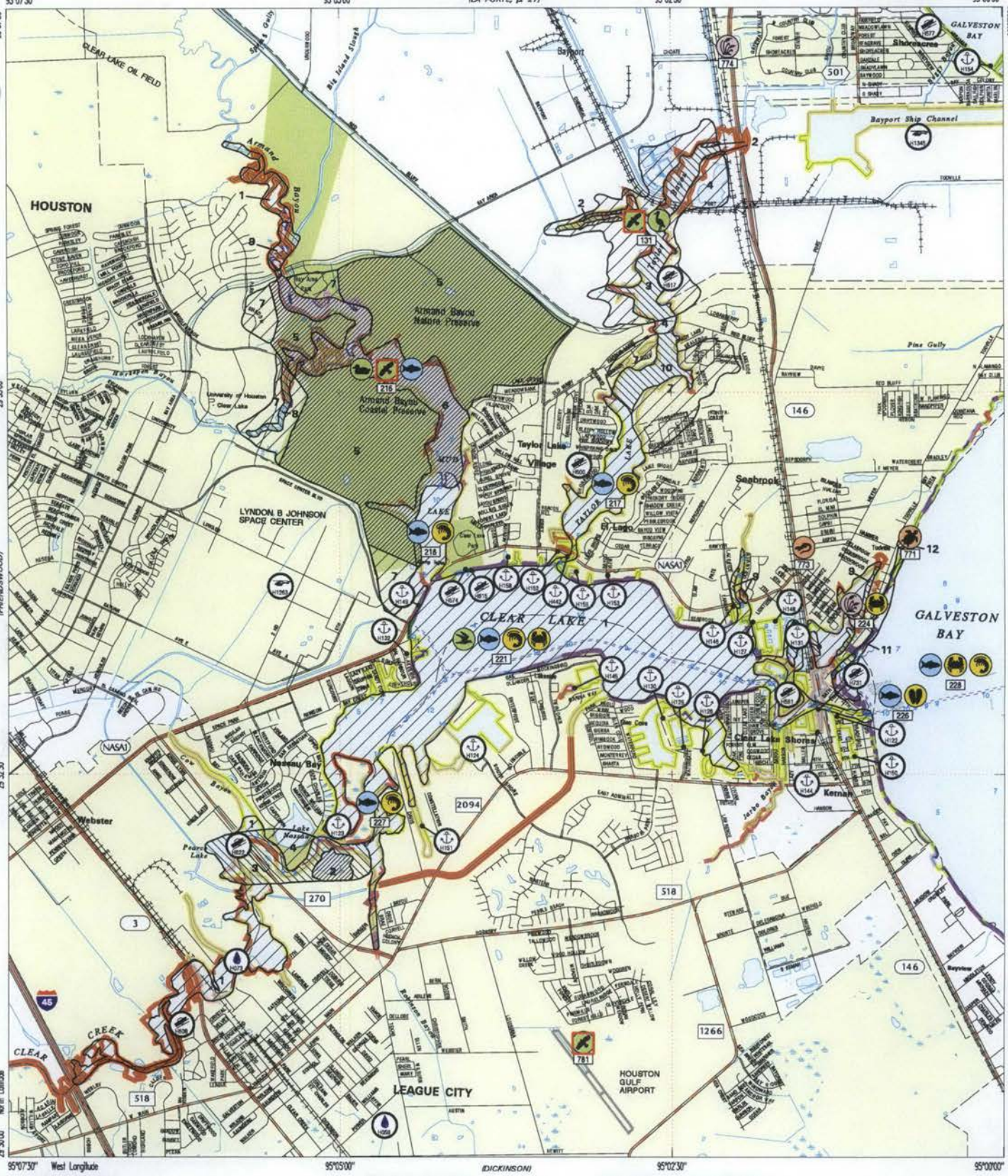
- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
- 9 - Sheltered tidal flats
- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
- 6B - Exposed riprap structures
- 6A - Gravel beaches
- 5 - Mixed sand and gravel beaches
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- State Park/Wildlife Management Area
- Park - City or County
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000104

League City

DATA ACP



TEXAS GENERAL LAND OFFICE
OIL SPILL PREVENTION & RESPONSE

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

Hazardous Materials Response and Assessment Division

Not For Navigation

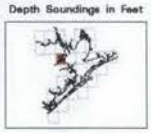
Miles 0 1

Nautical Miles 0 1

Feet 0 5000

Kilometers 0 1 2

Depth Soundings in Feet



2995-411

HUMAN-USE FEATURES

- Boat Launch Site
- Heliport
- Marina
- Water Intake Point

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

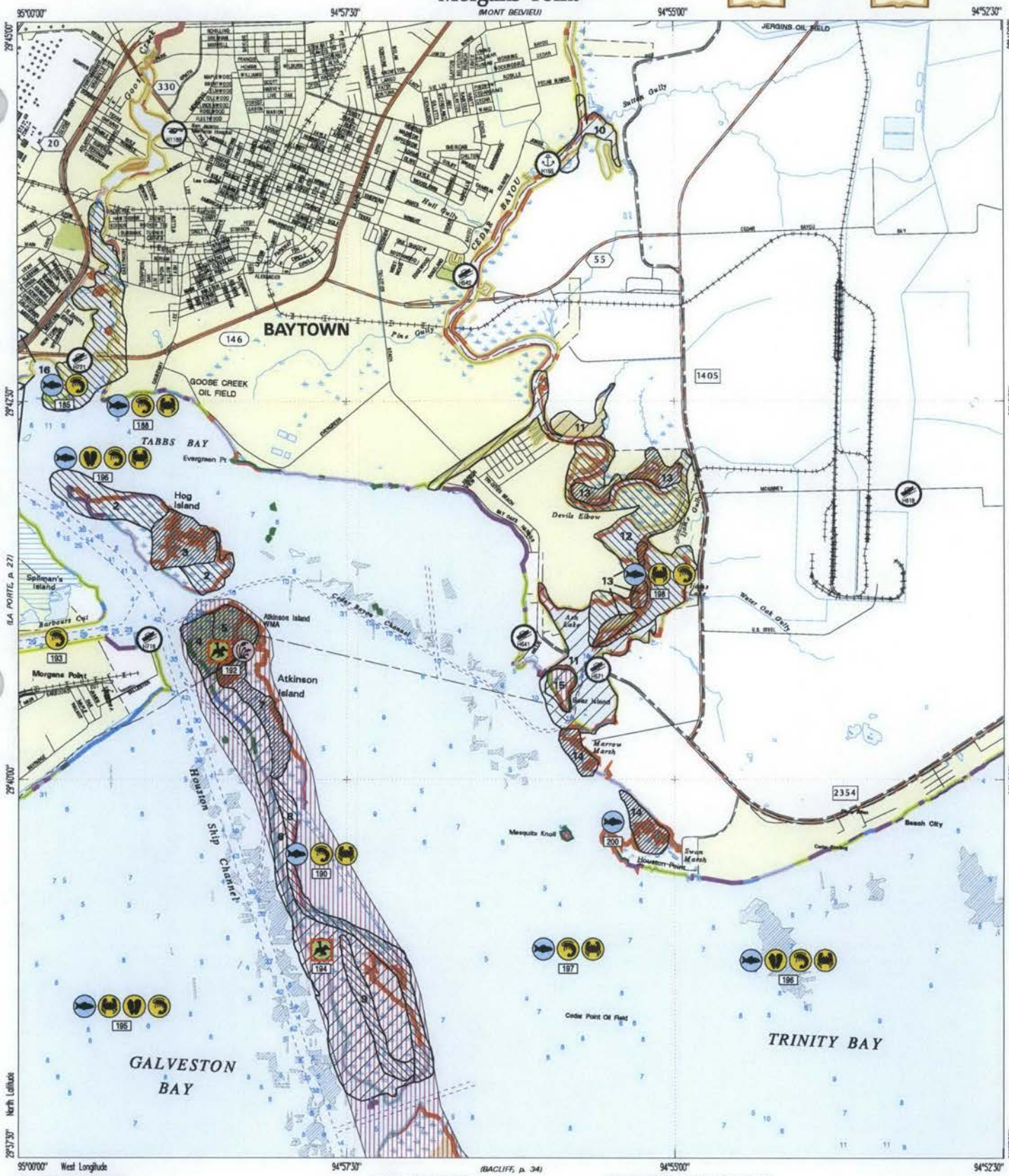
- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
- 9 - Sheltered tidal flats
- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
- 6B - Exposed riprap structures
- 6A - Gravel beaches
- 5 - Mixed sand and gravel beaches
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- Park - City or County
- Coastal Preserve
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000105

Morgans Point

DATA ACP



TEXAS GENERAL LAND OFFICE
OIL SPILL PREVENTION & RESPONSE

NOAA — National Oceanic and Atmospheric Administration — U.S. Department of Commerce

Hazardous Materials Response and Assessment Division

Not For Navigation

Miles

Nautical Miles

Feet

Kilometers

Depth Soundings in Feet

2994-323

HUMAN-USE FEATURES

- Boat Launch Site
- Heliport
- Marina

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

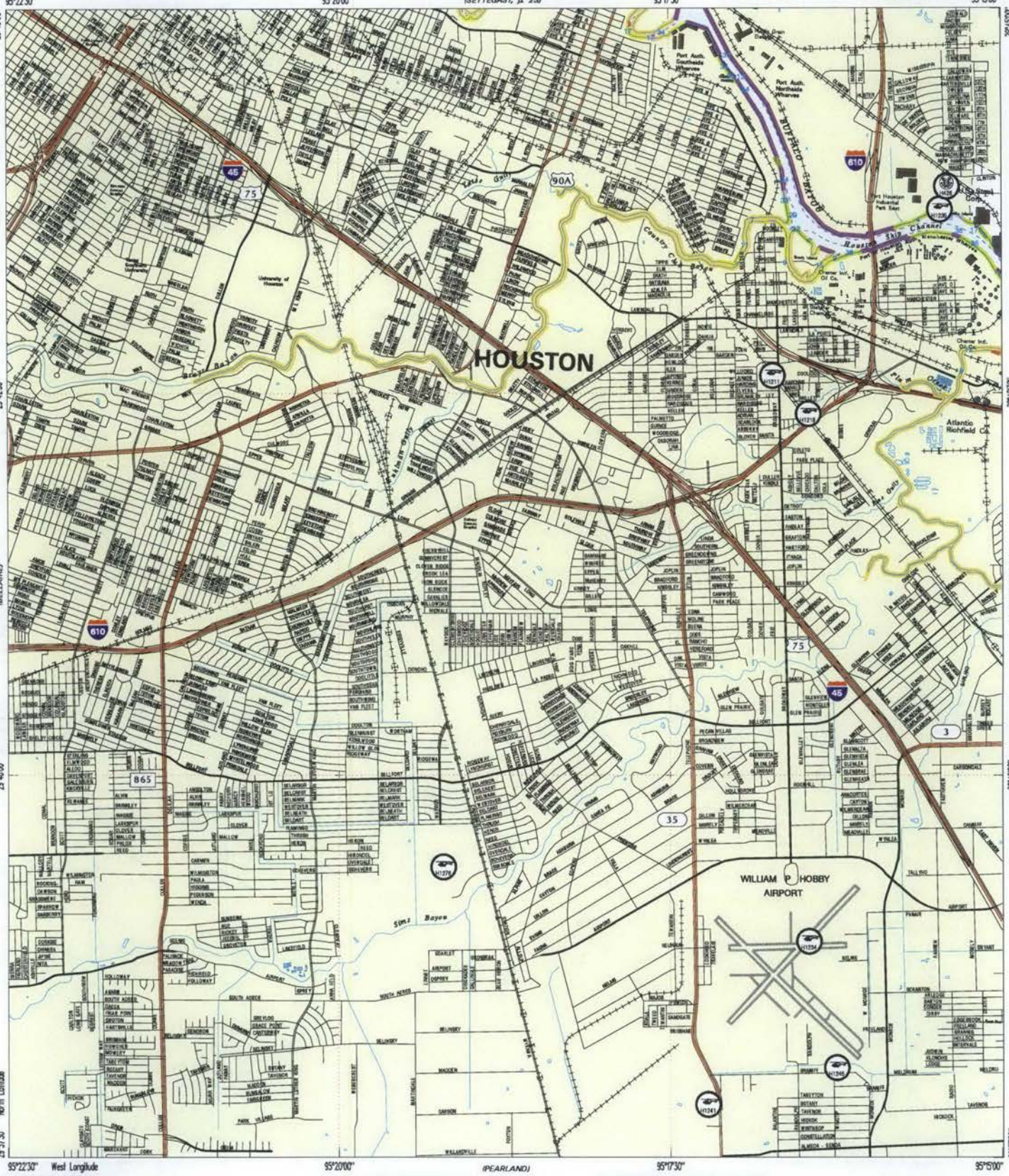
- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
- 9 - Sheltered tidal flats
- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
- 6B - Exposed riprap structures
- 6A - Gravel beaches
- 5 - Mixed sand and gravel beaches
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- State Park/Wildlife Management Area
- Park - City or County
- Bird Rookery Area
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000106

Park Place

DATA ACP



TEXAS GENERAL LAND OFFICE
OIL SPILL PREVENTION & RESPONSE

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

Hazardous Materials Response and Assessment Division

Not For Navigation

Miles

Nautical Miles

Feet 5000

Kilometers

Depth Soundings in Feet

2995-424

HUMAN-USE FEATURES

- Coast Guard Station
- Heliport

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
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- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
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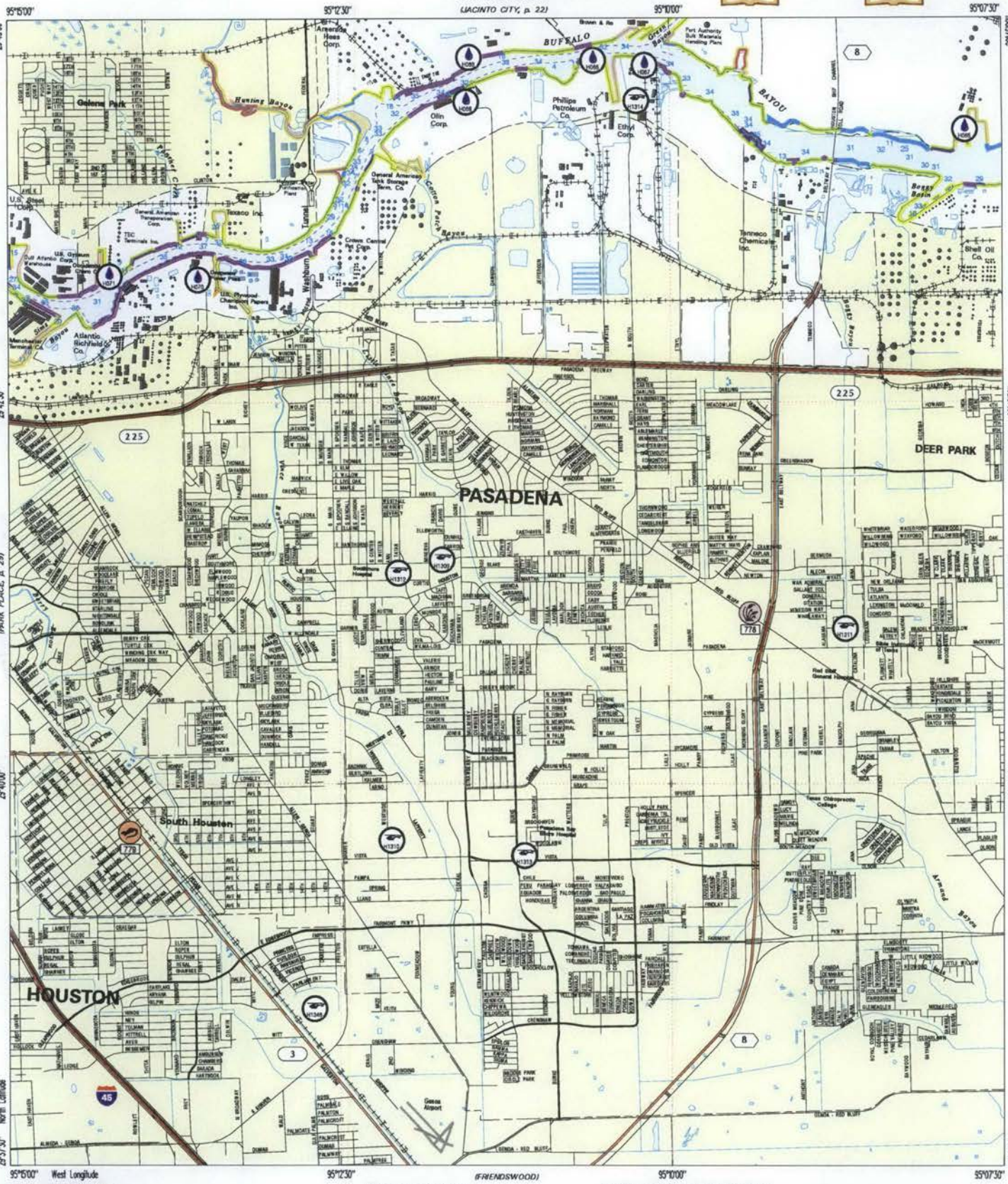
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000107

Pasadena

DATA ACP



TEXAS GENERAL LAND OFFICE
OIL SPILL PREVENTION & RESPONSE

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

Hazardous Materials Response and Assessment Division

Not For Navigation

0 1 Miles

0 1 Nautical Miles

0 5000 Feet

0 1 2 Kilometers

Depth Soundings in Feet

2995-413

North Latitude

West Longitude

HUMAN-USE FEATURES

- Heliport
- Water Intake Point

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
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- 8C - Sheltered scarps
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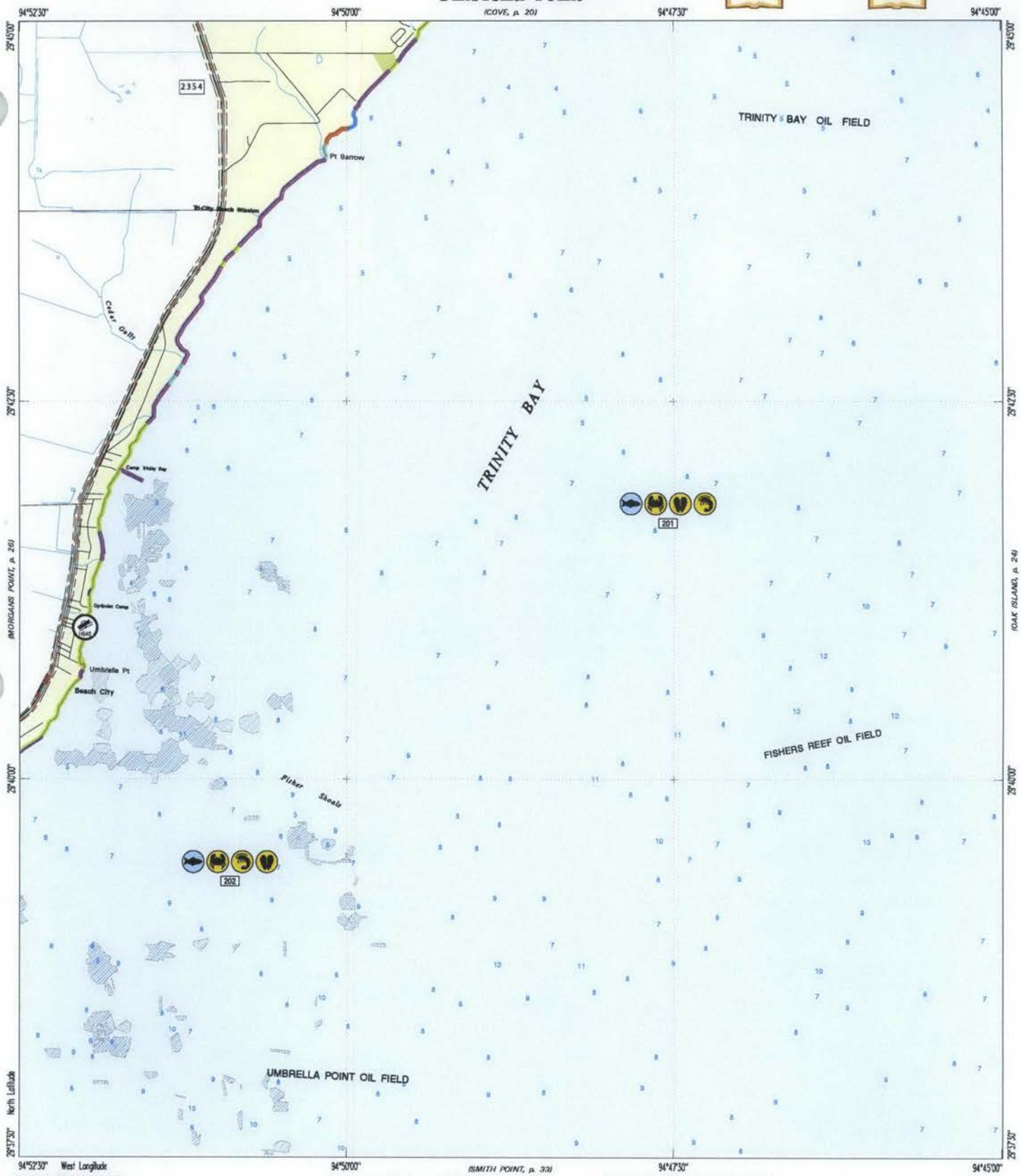
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000108

Umbrella Point

DATA ACP



TEXAS GENERAL LAND OFFICE OIL SPILL PREVENTION & RESPONSE

Not For Navigation

Miles

Nautical Miles

Feet

Kilometers

Depth Soundings in Feet

NOAA NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION U.S. DEPARTMENT OF COMMERCE

Hazardous Materials Response and Assessment Division

2994-324

HUMAN-USE FEATURES

Boat Launch Site

PRIORITY PROTECTION AREAS

- High Priority
- Medium Priority
- Low Priority
- Caution Area

ENVIRONMENTAL SENSITIVITY INDEX

- 10C - Freshwater swamps
- 10B - Freshwater marshes
- 10A - Salt and brackish water marshes
- 9 - Sheltered tidal flats
- 8C - Sheltered scarps
- 8B - Sheltered riprap structures
- 8A - Sheltered solid man-made structures
- 7 - Exposed tidal flats
- 6B - Exposed riprap structures
- 6A - Gravel beaches
- 5 - Mixed sand and gravel beaches
- 4 - Coarse-grained sand beaches
- 3B - Scarps and steep slopes in sand
- 3A - Fine-grained sand beaches
- 2B - Wave-cut clay platforms
- 2A - Scarps and steep slopes in clay
- 1 - Exposed walls and other solid structures

- Municipal Area
- Marsh, Wetland
- Tidal/Mud Flats
- Park - City or County
- Oyster Reef
- Oyster Shell on Mud

EPAHO089000109

7.0 LAWS, RULES, AND REGULATIONS

EPAHO089000110

7.0 LAWS, RULES, AND REGULATIONS

Federal, state and local laws require reporting of all spills that may effect the environment. In order to help to protect each employee and the company from fines and/or imprisonment, all oil product spills must be reported immediately. The following is a summary of these laws.

7.1 FEDERAL

Rivers and Harbors Act of 1899 (Refuse Act)

This Act prohibits the discharge of any quantity of refuse in navigable waters without respect to damage or injury to the environment and without any exceptions for accidents or acts of God.

- "Refuse" can be anything foreign to the receiving waters and has even been held to include hot water.
- Violation of this act is a "misdemeanor" for any person or corporation, punishable by a fine not exceeding $2,500 or by imprisonment (in the case of a natural person) for not less than 30 days nor more than one year, or both fine and imprisonment.
- One half of the fine is paid to any person providing information leading to conviction.
- The fine or imprisonment is imposed on the individual actually discharging the refuse, such as an employee, but also such employee's supervisor if the supervisor "knowingly aids, abets, authorizes or instigates the violation(s)"; and Corporate Managers or officers higher up the line may also be guilty if they can be shown to have "knowingly aided, abetted, authorized, or instigated the violation(s)".

The Oil Pollution Act of 1990

The Oil Pollution Act of 1990 independently lists the extent of damages for which the spiller would be liable. These damages include the following:

- Removal costs incurred by the U.S. or a State;
- All damages for economic losses, including injury and lost use of real and personal property and lost income or profits, recoverable by any citizen or business in any State;
- Natural resource damages, recoverable by a State under an assessment by State trustees, for all costs of assessing damages and restoring the State's natural resources, including the "lost use" value of such resources pending restoration.

EPAHO089000111

7.1 FEDERAL (Cont'd)

The Oil Pollution Act of 1990 (Cont'd)

- Lost State government revenues, including taxes, royalties, rents, fees or net profit shares;
- Subsistence uses of damaged natural resources; and
- Public services costs (of state and local governments) required during or after oil spill removal activities, including protection from fire, safety, or health hazards.

The Clean Water Act (Public Law 100-4 as published March, 1988)

The Clean Water Act provides as follows:

- It is unlawful to discharge a harmful amount of oil into or upon the navigable waters of the United States, adjoining shorelines, or into or upon the waters of the contiguous zone.
- Any Person-In-Charge of a vessel or of an onshore facility or an offshore facility shall, as soon as he has knowledge of a harmful discharge of oil, immediately notify the USCG.
- Any person who fails to notify the USCG Immediately of a harmful discharge of oil shall, upon conviction, be fined not more than $10,000.00, or imprisoned for not more than one year, or both.
- Any owner of any vessel, onshore facility or offshore facility, from which a harmful quantity of oil is discharged may be assessed a civil penalty by the Secretary of Transportation of not more than $5,000.00 for each offense.
- Except when the harmful discharge was caused solely by (a) an act of God, (b) an act of war, (c) negligence on the part of the United States or third party, the owner shall be liable for a cost not to exceed $8,000,000.00 for the recovery of the oil or substance. If the cause of the discharge was willful negligence or willful misconduct, the owner will be liable for the entire cost of removal.
- The President shall (for marine loading/unloading facilities this responsibility has been delegated to the USCG) establish procedures, methods and equipment to prevent harmful discharges.
- Any owner or operator of a vessel, onshore or offshore facility, who fails to comply with the USCG regulations shall be liable to a civil penalty of $5,000.00 for each violation.

EPAHO089000112

7.1 FEDERAL (Cont'd)

United States Coast Guard Regulations

- 33 CFR 126: Regulation pertaining to the handling of explosives or other dangerous cargoes within or contiguous to waterfront facilities.

- 33 CFR 151: Oil Pollution Regulations to implement the Oil Pollution Act of 1961 (applicable to vessels) related to the Oil Record Book, publication of prohibited zones, and enforcement of the requirements regarding prevention of pollution of the sea by oil.

- 33 CFR 153: Control of pollution by oil and hazardous substances and discharge removal, including USCG notification requirements, procedures for removal of a discharge of oil, and costs that may be imposed or reimbursed for the removal of a discharge of oil of hazardous substances.

- 33 CFR 156: Oil Pollution Prevention Regulations for oil transfer operations involving vessels, prescribing procedures to be followed prior to, during, and following an oil transfer including oil discharge cleanup, inspections, supervision and equipment tests.

- 33 CFR 158: Oily Waste Reception Facility to determine adequacy of facilities as to their ability to accept oily waste. Criteria is outlined concerning terminal size requirements and the quantity of oily waste required to be capable of accepting from a vessel. Included are procedures for obtaining a Certificate of Adequacy.

United States Environmental Protection Agency Regulations

- 40 CFR 109: Criteria for state, local, and regional oil removal contingency plans.

- 40 CFR 112: Oil Pollution Prevention Regulations, specifically establishing criteria for, and instructions in, preparing and amending Spill Prevention, Control and Countermeasure and Contingency Plans.

- 40 CFR 113: Liability limits for small onshore storage facilities (facilities, with fewer than 1000 barrels).

- 40 CFR 114: Civil penalties for violation of Oil Pollution Prevention Regulations (not more than $5000/day for each day of violation), including definition of violation, determination of penalty, the Notice of Violation, and hearing request procedures.

- 40 CFR 116: Designation of hazardous substances pursuant to Section 311 (b) (2) (A) of the Clean Water Act.

- 40 CFR 117: Determination of reportable quantities for hazardous substances designated in 40 CFR 116, and procedures for administration of the penalty requirements of the Clean Water Act.

EPAHO089000113

7.1 FEDERAL (Cont'd)

United States Environmental Protection Agency Regulations

- 40 CFR 124: State program elements necessary for participation in the National Pollution Discharge Elimination System (basis for NJPDES in New Jersey and SPDES in New York).

- 40 CFR 125: National Pollution Discharge Elimination System Permit Program (NPDES), requiring a permit for all wastewater treatment facility overboard discharges (responsibility now rests with most states).

- 40 CFR 265: Interim disposal standards for facilities that transport, store or dispose of hazardous waste. Specifically, Subpart D establishes contingency planning and emergency procedures for response to sudden releases to the air, land, or water and provides for the amendment of a facility SPCC Plan to include hazardous waste release contingency planning.

- 40 CFR 300: Revision of the National Contingency Plan required by Section 105 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) that includes responsibilities of the spiller to clean up discharges and government authority for responding to releases into the environment of hazardous substances if the cleanup is delayed.

United States Department of Transportation Regulations

- 49 CFR 171-179: Hazardous Materials Shipping Regulations, establishing designated hazardous materials, packaging/ marketing/ labeling/ certification/ shipping procedures and specification packages or containers. Designates spill and accident notification, reporting and response procedures. Amended to include USEPA - designated hazardous wastes and hazardous substances.

7.2 LOUISIANA LAWS AND REGULATIONS

In 1991, the State of Louisiana enacted the Oil Spill Prevention and Response Act to work in conjunction with OPA 90. This Act is to be the exclusive authority on oil spill prevention, response, removal, liability and limitations of liability in the State of Louisiana.

The Act assists the legislature in fulfilling its duties to protect, conserve and replenish the natural resources of Louisiana. The Act also supports and compliments the Oil Pollution Act of 1990 and other federal laws, specifically those provisions relating to the responsibilities of state agencies designated as natural resource trustees.

Regulations for reporting unauthorized discharges or spills are established by the Department of Environmental Quality. These regulations are designed to provide a uniform notification and reporting procedure and to enable appropriate emergency response to unauthorized discharges.

EPAHO089000114

7.3 TEXAS LAWS AND REGULATIONS

Chapter 40 - Oil Spill Prevention and Response Act of 1991
Subchapter A. General Provisions

§ 40.001. Short Title

This chapter may be cited as the Oil Spill Prevention and Response Act of 1991.

Added by Acts 1991, 72nd Leg., ch. 10, § 1, eff. March 28, 1991.

§ 40.002. Policy

(a) The legislature finds and declares that the preservation of the Texas coast is a matter of the highest urgency and priority. It is the policy of this state to keep its coastal waters, rivers, lakes, estuaries, marshes, tidal flats, beaches, and public lands as pristine as possible, taking into account multiple use accommodations necessary to provide the broadest possible promotion of public and private interests. Spills, discharges, and escapes of crude oil, petroleum, and other such substances resulting from their handling, storage, and transportation, particularly by vessel, endanger the coastal environment of the state, public and private property on the coast, and the well-being of those deriving their likelihood from marine-related activity in coastal waters. The hazards posed by the handling, storage, and transportation of these substances in the coastal waters are contrary to the paramount interests of the state. These state interests outweigh the economic burdens imposed under this chapter.

(b) The legislature finds and declares that the natural resources of the state and particularly those in the coastal waters of the state offer significant benefits to the citizens of Texas. These natural resources are important for their existence and their recreational, aesthetic, and commercial value. It is the policy of the state to protect these natural resources and to restore, rehabilitate, replace, and/or acquire the equivalent of these natural resources with all deliberate speed when they have been damaged. The legislature finds and declares that it is difficult to assess the value of these natural resources and to quantify injury to natural resources at a reasonable cost. The procedures and protocols utilized by the trustees must therefore consider the unique characteristics of each spill incident and the location of the natural resources affected. It is the intent of the legislature that natural resource damage assessment methodologies be developed for the purpose of reasonably valuing the natural resources of the State of Texas in the event of an oil spill and that the state recover monetary damages or have actions commenced by the spiller as early as possible to expedite the restoration, rehabilitation, and/or replacement of injured natural resources.

(c) The legislature intends by this chapter to exercise the police power of the State to protect its coastal waters and adjacent shorelines by conferring upon the Commissioner of the General Land Office the power to:

(1) prevent spills and discharges of oil by requiring and monitoring preventive measures and response planning;

(2) provide for prompt response to abate and contain spills and discharges of oil and ensure the removal and cleanup of pollution from such spills and discharges;

EPAHO089000115

7.3 TEXAS LAWS AND REGULATIONS (Cont'd)

(3) provide for development of a state coastal discharge contingency plan through planning and coordination with the Texas Natural Resource Conservation Commission to protect coastal waters from all types of spills and discharges; and

(4) administer a fund to provide for funding these activities and to guarantee the prompt payment of certain reasonable claims resulting from spills and discharges of oil.

(d) The legislature declares that it is the intent of this chapter to support and complement the Oil Pollution Act of 1990 (Pub. L. 101-380) and other federal law, specifically those provisions relating to the national contingency plan for cleanup of oil and hazardous substance spills and discharges, including provisions relating to the responsibilities of state agencies designated as natural resources trustees. The legislature intends this chapter to be interpreted and implemented in a manner consistent with federal law.

Added by Acts 1991, 72nd Leg., ch. 10, § 1, eff. March 28, 1991. Amended by Acts 1993, 73rd Leg., ch. 776, § 1, eff. Sept. 1, 1993; Acts 1995, 74th Leg., ch. 76, § 11.265, eff. Sept. 1, 1995.

- **Local**

  Currently, neither the County nor the City governments address oil pollution with laws or regulations.

EPAHO089000116

FIGURE 7.1

USCG 33 CFR Part 154
CROSS REFERENCE

	BRIEF DESCRIPTION	SECTION
§ 154.310	***Operations Manual: Contents***	
(a)	Each Plan required by §154.300 must contain:	--------
(a) (1)	The geographic location of the facility;	*
(a) (2)	A physical description of the facility including a plan and/or plans, maps, drawings, aerial photographs or diagrams, showing the boundaries of the facility subject to Coast Guard jurisdiction, mooring areas, transfer locations, control stations, wharfs, the extent and scope of the piping subject to the tests required by §156.170(c)(4) of this chapter, and the locations of safety equipment. For mobile facilities, a physical description of the facility.	Fig 1.1
(a) (3)	The hours of operation of the facility;	Fig 1.1
(a) (4)	The sizes, types, and number of vessels that the facility can transfer oil or hazardous material to or from simultaneously;	*
(a) (5)	For each product transferred at the facility:	--------
(a) (5) (I)	Generic or chemical name; and	§ 2.1
(a) (5) (ii)	The following cargo information:	--------
(a) (5) (ii) (*a*)	The name of the cargo as listed under appendix II of annex II of MARPOL 73/78, Table 30.25-1 of 46 CFR 30.25-1, Table 151.05 of 46 CFR 151.05-1, or Table 1 of 46 CFR part 153;	§ 2.1
(a) (5) (ii) (*b*)	A description of the appearance of the cargo;	§ 2.2
(a) (5) (ii) (c)	A description of the odor of the cargo;	§ 2.3
(a) (5) (ii) (*d*)	The hazards involved in handling the cargo;	§ 2.4
(a) (5) (ii) (*e*)	Instructions for safe handling of the cargo	§ 2.5
(a) (5) (ii) (*f*)	The procedures to be followed if the cargo spills or leaks, or if a person is exposed to the cargo; and	§ 2.6, 6.1.1
(a) (5) (ii) (*g*)	A list of the fire fighting procedures and extinguishing agents effective with fires involving the cargo.	§ 2.7, 6.1.2
(a) (6)	The minimum number of persons on duty during transfer operations and their duties;	§ 4.1, 5.5
(a) (7)	The name and phone numbers of the qualified individual identified under '156.1026 of this part and the title and/or position and telephone number of the Coast Guard, State, Local and other personnel who may be called by the employees of the facility in an emergency.	Appx A
(a) (8)	The duties of watchmen, required by §155.810 of this chapter and 46 CFR 35.05-15, for unmanned vessels moored at the facility;	*
(a) (9)	A description of each communication system required by this part;	§ 3.7
(a) (10)	The location and facilities of each personnel shelter, if any;	*
(a) (11)	A description and instructions for the use of drip and discharge collection and vessel slop reception facilities, if any;	*
(a) (12)	A description and the location of each emergency shutdown system;	§ 3.3
(a) (13)	Quantity, types, locations, and instructions for use of monitoring devices if required by § 154.525;	*
(a) (14)	Quantity, type, location, instructions for use, and time limits for gaining access to the containment equipment required by §154.545;	§ 3.2
(a) (15)	Quantity, type, location, instructions for use of fire extinguishing equipment, required by §154.735(d) of this part;	Fig. 1.2, § 3.4

* Not applicable for Mobile Facilities.

EPAHO089000117

FIGURE 7.1

USCG 33 CFR Part 154
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 154.310	***Operations Manual: Contents (Cont'd)***	
(a) (16)	The maximum allowable working pressure (MAWP) of each loading arm, transfer pipe system, and hose assembly required to be tested by §156.170 of this chapter, including the maximum relief valve setting (or maximum system pressure when relief valves are not provided) for each transfer system;	§ 3.5, 5.1
(a) (17)	Procedures for:	--------
(a) (17) (i)	Operating each loading arm including the limitations of each loading arm;	*
(a) (17) (ii)	Transferring oil or hazardous material;	§ 5.5.1
(a) (17) (iii)	Completion of pumping; and	§ 5.5.2
(a) (17) (iv)	Emergencies;	§ 6.0
(a) (18)	Procedures for reporting and initial containment of oil or hazardous material discharges;	§ 6.1, 6.1.1
(a) (19)	A brief summary of applicable Federal, state, and local oil or hazardous material pollution laws and regulations;	*
(a) (20)	Procedures for shielding portable lighting authorized by the COTP under § 154.570(c); and	§ 3.6
(a) (21)	A description of the training and qualification program for persons in charge.	§ 4.2
(a) (22)	Statements explaining that each hazardous materials transfer hose is marked with either the name of each product which may be transferred through the hose or with letters, numbers, symbols, color codes or other system acceptable to the COTP representing all such products and the location in the Plan where a chart or list of the symbols used and a list of the compatible products which may be transferred through the hose can be found for consultation before each transfer.	§ 5.1
(a) (23)	For facilities that conduct tank cleaning or stripping operations, a description of their procedures.	N/A
(b)	If a facility collects vapors emitted from vessel cargo tanks for recovery, destruction, or dispersion, the Plan must contain a description of the vapor collection system at the facility which includes:	N/A
(b) (1)	A line diagram or simplified piping and instrumentation diagram (P&ID) of the facility's vapor control system piping, including the location of each valve, control device, pressure-vacuum relief valve, pressure indicator, flame / detonation arrester; and	N/A
(b) (2)	A description of the vapor control system's design and operation including, the	--------
(b) (2) (i)	Vapor line connection;	N/A
(b) (2) (ii)	Startup and shutdown procedures;	N/A
(b) (2) (iii)	Steady state operating procedures;	N/A
(b) (2) (iv)	Provisions for dealing with pyrophoric sulfide (for facilities which handle inerted vapors of cargoes containing sulfur);	N/A
(b) (2) (v)	Alarms and shutdown devices;	N/A
(b) (2) (vi)	Pre-transfer equipment inspection requirements;	N/A
(c)	The facility operator shall incorporate a copy of each amendment to the Plan under § 154.320 in each copy of the Plan with the related existing requirement, or add the amendment at the end of each Plan if not related to an existing requirement;	Foreword, § 1.4, 1.5
(d)	The Plan must be written in the order specified in paragraph (a) of this section, or contain a cross-referenced index page in that order;	Fig 7.1

* Not applicable for Mobile Facilities.

EPAHO089000118

FIGURE 7.1

USCG 33 CFR Part 154
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 154.710	***Persons in Charge: Designation and Qualification***	
(a)	The Facility operator has designated that person as a person in charge.	§ 4.2
(b)	The person has had at least 48 hours of experience in transfer operations...	§ 4.2
(c)	The person has completed a training and qualification program established by the operator...	§ 4.2
(d)	The Facility operator must certify that each person in charge has the knowledge of, and skills necessary to -	§ 4.2
(d)(1)	The hazards of each product to be transferred.	§ 4.2
(d)(2)	The rules in this Part and in Part 156 of this chapter.	§ 4.2
(d)(3)	The Facility operating procedures as described in the Plan.	§ 4.2
(d)(4)	Vessel transfer systems, in general.	*
(d)(5)	Vessel transfer control systems, in general.	*
(d)(6)	Each Facility transfer control system to be used.	*
(d)(7)	Follow local discharge reporting procedures.	§ 4.2
(d)(8)	Carry out the Facility's response plan for discharge reporting and containment.	*
(e)	Training conducted to comply with the hazard communication program required by OSHA...	§ 4.2
§ 154.735	***Safety Requirements***	
(a)	Access to the Facility by firefighting personnel, fire trucks, or other emergency personnel is not impeded.	*
(b)	Materials which are classified hazardous under 49 CFR parts 170-179 are kept only in quantities needed for the operation...	*
(c)	Gasoline or other fuel is not stored on a pier, wharf or other similar structure.	*
(d)	A sufficient number of fire extinguishers...are in place throughout the Facility and maintained in ready condition.	N/A
(e)	The location of each hydrant, standpipe, hose station, fire extinguisher, and fire alarm box is conspicuously marked and readily accessible.	*
(f)	Each piece of protective equipment is ready to operate.	N/A
(g)	Signs indicating that smoking is prohibited are posted in areas where smoking is not permitted.	N/A
(h)	Trucks and other motor vehicles are operated or parked only in designated locations.	*
(i)	All rubbish is kept in receptacles.	*
(j)	All equipment with internal combustion engines used on the Facility.	N/A
(j)(1)	Does not constitute a fire hazard; and	N/A
(j)(2)	Has a fire extinguisher attached ... unless such fire extinguisher is readily accessible nearby on the Facility.	N/A
(k)	Spark arresters are provided on chimneys or appliances which	N/A
(k)(1)	Use solid fuel; or	N/A
(k)(2)	Are located where sparks constitute a hazard to nearby combustible material.	N/A
(l)	All welding or hot work conducted on or at the Facility is the responsibility of the operator	*

* Not applicable for Mobile Facilities.

EPAHO089000119

FIGURE 7.1

USCG 33 CFR Part 154
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 154.735	***Safety Requirements (Cont'd)***	
(l)(1)	Welding or hot work is prohibited during gas free operation, within 30.5 meters (100 feet) of bulk cargo operations involving flammable or combustible materials, within 30.5 meters (100 feet) of fueling operations, or within 30.5 meters (100 feet) of explosives or 15.25 meters (50 feet) of other hazardous materials.	*
(l)(2)	If the welding or hot work is on the boundary of a compartment an additional fire watch shall be stationed in the adjoining compartment.	*
(l)(3)	Personnel on fire watch shall have no other duties except to watch for the presence of fire and to prevent the development of hazardous conditions.	*
(l)(4)	Flammable vapors, liquids or solids must first be completely removed from any container, pipe, or transfer line subject to welding or hot work.	*
(l)(5)	Tanks used for storage of flammable or combustible substances must be tested and certified gas free prior to starting hot work.	*
(l)(6)	Proper safety precautions in relation to purging, inserting, or venting shall be followed for hot work on containers.	*
(l)(7)	All local laws and ordinances shall be observed.	*
(l)(8)	In case of fire or other hazard, all cutting welding, or other hot work equipment shall be completely secured.	*
(m)	Heating equipment has sufficient clearance to prevent unsafe heating of nearby combustible material.	N/A
(n)	Automotive equipment having an internal combustion engine is not refueled on a pier, wharf, or other similar structure.	*
(o)	There are no open fires or flame lamps.	N/A
(p)	Electric wiring and equipment is maintained in a safe condition so as to prevent fires.	N/A
(q)	Electrical wiring and electrical equipment installed after October 4, 1990, meet NFPA 70.	N/A
(r)	Electrical equipment, fittings, and devices installed after October 4, 1990, show approval for that use by -	N/A
(r)(1)	Underwriters Laboratories	N/A
(r)(2)	Factory Mutual Research Corporation	N/A
(r)(3)	Canadian Standards Association	N/A
(s)	Tank cleaning or gas freeing operations conducted by the Facility on vessels carrying oil residues or mixtures shall be conducted in accordance with Sections 9.1, 9.2, 9.3, and 9.5 of the OCIMF International Safety Guide for Oil Tankers and Terminals except that-	N/A
(s)(1)	Prohibitions in ISGOTT against the use of recirculated wash water do not apply if the wash water is first processed to remove product residues.	N/A
(s)(2)	The provision in ISGOTT Section 9.2.10 concerning flushing the bottom of tanks after every discharge of leaded gasoline does not apply.	N/A
(s)(3)	The provision in ISGOTT Section 9.2.11 concerning that removal of sludge, scale, and sediment does not apply if personnel use breathing apparatus which protect them from the tank atmosphere.	N/A
(s)(4)	Upon request of the Facility owner or operator in accordance with §154.107, the COTP may approve the use of alternative standards to ISGOTT...	N/A
(t)	Guards are stationed or equivalent controls acceptable to the COTP are used to detect fires, report emergency conditions, and ensure that access to the marine transfer area is limited to-	*
(t)(1)	Personnel who work at the Facility including persons assigned to transfer operations, vessel personnel, and delivery and service personnel in the course of their business.	*

* Not applicable for Mobile Facilities.

EPAHO089000120

FIGURE 7.1

USCG 33 CFR Part 154
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 154.73	***Safety Requirements (Cont'd)***	
(t)(2)	Coast Guard personnel	*
(t)(3)	Other Federal, State, or Local governmental officials.	*
(t)(4)	Other persons authorized by the operator.	*
(u)	Smoking shall be prohibited at the Facility, except that Facility owners or operators may authorize smoking in designated areas if-	*
(u)(1)	Smoking areas are designated in accordance with local ordinances and regulations.	*
(u)(2)	Signs are conspicuously posted marking such authorized smoking areas.	*
(u)(3)	"No Smoking" signs are conspicuously posted elsewhere on the Facility.	*
(v)	Warning signs shall be displayed on the Facility at each shore side entry to the dock or berth, without obstruction, at all times for fixed facilities and for mobile facilities during coupling, transfer operation, and uncoupling.	Fig 1.1
§ 154.1035	***As adapted from MSO Houston-Galveston Plan Review Checklist***	
(a)	Facility Name	Fig 1.1, App A
	Street Address	Fig 1.1, App A
	City	Fig 1.1, App A
	County	Fig 1.1
	State	Fig 1.1, App A
	Zip Code	Fig 1.1, App A
	Phone Number	Fig 1.1, App A
	Fax Number (if equipped)	Fig 1.1, App A
	Mailing Address (if different from above)	Fig 1.1, App A
	Facility Location (ex: River Mile, Lat & Long)	Fig 1.1
	Name of Facility Owner or Operator	Fig 1.1, App A
	Address of Owner or Operator	Fig 1.1, App A
	Procedures for contacting Owner or Operator on a 24-hour basis	Fig 1.1, App A
	A Table of Contents	FWD
	A Cross Index (if appropriate)	§ 2.0
	A Record of Changes	FWD
(b)(1)	Does the plan include a prioritized checklist with all notifications to be made?	App A
	At a minimum the checklist must include notification to the following:	--------
	Facility Response Personnel	App A
	Spill Management Team	App A
	Oil Spill Removal Organization	App A
	Qualified Individual	App A
	Alternate Qualified Individual	App A
	National Response Center	App A
	Sector Houston-Galveston/MSU Galveston	App A
	Environmental Protection Agency	App A
	Texas General Land Office	App A
	Local Agencies (ex: Police, Fire, Ambulance)	App A
	Does the plan contain details of reporting information on a reporting information form?	App A

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FIGURE 7.1

USCG 33 CFR Part 154
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 154.1035	***As adapted from MSO Houston-Galveston Plan Review Checklist (Cont'd)***	
	Does the reporting information form contain the following information:	--------
	Name, address and telephone number of reporting party	App A
	Name, address and telephone number of suspected responsible party	App A
	The source	App A
	The cause	App A
	Date and time of incident	App A
	Location of incident	App A
	Capacity of tank(s) involved	App A
	Material released, including total quantity and quantity in water	App A
	Actions being taken to correct and mitigate the incident	App A
	Impact, including injuries, fatalities, evacuations and damage in dollars	App A
	Notifications made	App A
	Does the form state the toll free number to the National Response Center?	App A
	Does the form contain a prominent statement that initial notification must not be delayed pending collection of all information?	App A
(b)(2)	Does the plan describe the volume(s) of persistent and non-persistent oil and oil group(s) that would be involved in:	--------
	MTR Average Most Probable Discharge	Fig. 1.1
	MTR Maximum Most Probable Discharge	Fig. 1.1
	MTR Worst Case Discharge	Fig. 1.1
	Does the plan include procedures for facility personnel to mitigate or prevent any discharge resulting from operational activities associated with internal and external facility transfers including procedures to shut down affected operations in the event of:	--------
	Failure of manifold	§ 6.1.1
	Failure of loading arm or hoses	§ 6.1.1
	Tank overfill	§ 6.1.1
	Tank failure	§ 6.1.1
	Piping rupture	§ 6.1.1
	Piping leak both under pressure and no pressure	§ 6.1.1
	Explosion or fire or both	§ 6.1.2
	Equipment failure	§ 6.1.1
(b)(3)(iii)	Does the plan discuss how facility personnel will initiate and supervise a response pending the arrival of the Qualified Individual?	§ 6.1
	Does the plan discuss the responsibilities of the Qualified Individual's and Alternate's responsibilities and authority as required in 33 CFR 154.1026?	§ 4.3
	Does the plan discuss the facility's organizational structure that will be used to manage the response actions including:	§ 4.4, Appendix F
	Command and Control	§ 4.4, Appendix F
	Public Information	§ 4.4, Appendix F
	Safety	§ 4.4, Appendix F
	Liaison with Government Agencies	§ 4.4, Appendix F
	Spill Operations	§ 4.4, Appendix F
	Planning	§ 4.4, Appendix F
	Logistics Support	§ 4.4, Appendix F
	Finance	§ 4.4, Appendix F

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FIGURE 7.1

USCG 33 CFR Part 154
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 154.1035	***As adapted from MSO Houston-Galveston Plan Review Checklist (Cont'd)***	
(b)(3)(iv)	Does the plan identify the oil spill removal organization(s) and spill management team available by contract or other approved means described in 33 CFR 154.1028?	App A
	Is there a listing of job descriptions for each member of the spill management team within the organizational structure described in paragraph (b)(3)(iii)	Appendix F
(b)(4)	Does the plan contain a list of economically important and environmentally sensitive areas?	Texas Oil Spill Planning and Response Toolkit CD
	Does the plan describe actions to protect these areas?	Texas Oil Spill Planning and Response Toolkit CD
	Does the plan contain a map if these areas and the response activities anticipated to protect them? A legend of activities must be included on the map page.	Texas Oil Spill Planning and Response Toolkit CD, § 6.2
	Does the plan identify the equipment and personnel contracted to protect these areas for the number of days required?	App A
(b)(5)	Does the plan describe procedures to ensure that all recovered oil and debris is disposed of according to Federal, State and Local requirements?	App D
(c)(1)	Does the plan identify training for each individual with responsibilities?	§ 4.1, 4.2, 4.3, 4.5
	Does this include required OSHA training?	§ 4.5
	Does the plan identify training for volunteers or casual laborers during a response to comply with 29 CFR 1910.120 (OSHA)?	§ 4.5
(c)(2)	Does the plan contain details on the type and frequency of drills?	§ 4.6
	Does the plan discuss participation in the PREP Program?	§ 4.6
(d)	Does the plan address the procedures for annual review and post discharge review of the plan?	§ 1.5
	Does the plan address the procedures for revisions or amendments of the plan?	§ 1.5
(e)(1)	Does the plan contain the following information:	
	A plot plan showing:	
	Mooring areas	None present
	Transfer locations	Fig 1.2
	Control stations	Fig 1.2
	Locations of safety equipment	Fig 1.2
	Location and capacity of all piping	None present
	Location and capacity of all storage tanks	None present
	The size type and number of vessels the facility can transfer to simultaneously	Fig 1.1
	The first valve separating the MTR portion of the facility and the non-MTR portion	None present
	An MSDS or equivalent for each product handled, stored or transported in bulk	§ 2.0
(e)(2)	Does the plan include information for 24 hour contact of the following individuals and agencies?	App A
	Qualified Individual	--------
	Alternate Qualified Individual	--------
	Spill Management Team	--------
	Oil Spill Removal Organization	--------

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FIGURE 7.1

USCG 33 CFR Part 154
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 154.1035	***As adapted from MSO Houston-Galveston Plan Review Checklist (Cont'd)***	
	National Response Center	--------
	Sector Houston-Galveston/MSU Galveston	--------
	Environmental Protection Agency	--------
	Texas General Land Office	--------
	Local Agencies (ex: Police, Fire, Ambulance)	--------
(e)(3)	Does the plan contain a list of equipment and facility personnel required to respond to an average most probable discharge?	
	Are the OSROs listed in the plan classified by the U.S. Coast Guard? It is not necessary to list response equipment from the OSRO when they have been classified by the U.S. Coast Guard.	App A
(e)(4)	Does the plan describe the primary and alternate method of communications?	§ 3.7
	Does the plan describe the safety and health plan to be implemented for any response location?	§ 4.7
	Is there a list of acronyms and definitions?	App C
§ 154.1041	***Specific Response Information for Mobile MTR Facilities***	
(a)(1)	A description of response activities ...	§ 6.1
(2)	Identity of response resources ...	§ 3.2, App A
(3)	List of appropriate persons and agencies ... to be contacted ...	App A
§ 154.1050	***Training***	
(a)	...must identify the training to be provided to each individual with responsibilities under the plan.	§ 4.0
(b)	A facility owner or operator shall ensure the maintenance of records sufficient to document training of facility personnel....	§ 4.5
(c)	Where applicable, a facility owner or operator shall ensure that an oil spill removal organization identified in a response plan to meet the requirements of this subpart maintain records sufficient to document training....	§ 4.5
(d)	The facility owner or operator remains responsible for ensuring that all private response personnel are trained to meet the Occupational Safety and Health Administration (OSHA) standards for emergency response operations in 29 CFR 1910.120.	§ 4.5
§ 154.1055	***Exercises***	
(a)(1)	Qualified individual notification exercises...	§ 4.6
(a)(2)	Spill management team tabletop exercises...	§ 4.6
(a)(3)(i)	Equipment deployment exercises...facility owned and operated.	§ 4.6
(a)(3)(ii)	Equipment deployment exercises...oil spill removal organization equipment.	§ 4.6
(a)(4)	Emergency procedures exercises (optional)	-----

* Not applicable for Mobile Facilities.

EPAHO089000124

FIGURE 7.2

USCG 33 CFR Part 156
CROSS REFERENCE

	BRIEF DESCRIPTION	SECTION
§156.107	***Alternatives***	
(a)	The COTP may consider and approve alternative procedures, methods, or equipment standards to be used by a vessel or facility operator in lieu of any requirements in this part if:	§ 1.4
(a) (1)	Compliance with the requirement is economically or physically impractical;	§ 1.4
(a) (2)	The vessel or facility operator submits a written request for the alternate at least 30 days before operations under the alternative are proposed, unless the COTP authorizes a shorter time; and	§ 1.4
(a) (3)	The alternative provides an equivalent level of safety and protection from pollution by oil or hazardous material, which is documented in the request.	§ 1.4
(b)	The COTP takes final approval or disapproval action on any alternative requested, in writing, within 30 days of receipt of the request.	§ 1.4
§ 156.115	***Person-In-Charge: Limitations***	
(a)	No person may serve as the person-in-charge of transfer operations on more than one vessel at a time during transfers between vessels or between two or more vessels and a facility unless authorized by the COTP.	§ 5.4
(b)	No person may serve as the person-in-charge of both a vessel and a facility during transfer operations unless authorized by the COTP.	§ 5.4
§ 156.120	***Requirements for Transfer***	
	A transfer is considered to begin when the person-in-charge on the transferring vessel or facility and the person-in-charge on the receiving facility or vessel first meet to begin completing the declaration of inspection, as required by §156.150 of this part. No person shall conduct an oil or hazardous material transfer operation unless:	§ 5.3, 5.4
(a)	The vessel's moorings are strong enough to hold during all expected conditions of surge, current, and weather and are long enough to allow adjustment for changes in draft, drift, and tide during the transfer operation;	§ 5.4, 5.5, App B - DOI
(b)	Transfer hoses and loading arms are long enough to allow the vessel to move to the limits of its moorings without placing strain on the hose, loading arm, or transfer piping system;	§ 5.4, 5.5, App B - DOI
(c)	Each hose is supported to prevent kinking or other damage to the hose and strain on its coupling;	§ 5.4, 5.5, App B - DOI
(d)	Each part of the transfer system is aligned to allow the flow of oil or hazardous material;	§ 5.4, 5.5, App B - DOI
(e)	Each part of the transfer system not necessary for the transfer operation is securely blanked or shut off;	§ 5.4, 5.5, App B - DOI
(f)	The end of each hose and loading arm that is not connected for the transfer of oil or hazardous material is blanked off using the closure devices required by § 154.520 and 155.805 of this chapter;	§ 5.4, 5.5, App B - DOI
(g)	The transfer system is attached to a fixed connection on the vessel and the facility except that when a vessel is receiving fuel, an automatic back pressure shutoff nozzle may be used;	§ 5.4, 5.5, App B - DOI

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FIGURE 7.2

USCG 33 CFR Part 156
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 156.120	***Requirements for Transfer (Cont'd)***	
(h)	Each overboard discharge or sea suction valve that is connected to the vessel's transfer or cargo tank system is sealed or lashed in the closed position; except when used to receive or discharge ballast in compliance with 33 CFR Part 157;	§ 5.4, 5.5, App B - DOI
(i)	Each transfer hose has no unrepaired loose covers, kinks, bulges, soft spots, or any other defect which would permit the discharge of oil or hazardous material through the hose material and no gouges, cuts, or slashes that penetrate the first layer of hose reinforcement ("reinforcement" means the strength members of the hose, consisting of fabric, cord and/or metal);	§ 5.4, 5.5, App B - DOI
(j)	Each hose or loading arm in use meets §154.500 and 154.510 of this chapter, respectively;	§ 5.4, 5.5, App B - DOI
(k)	Each connection meets § 156.130;	§ 5.4, 5.5, App B - DOI
(l)	Any monitoring devices required by § 154.525 of this chapter are installed and operating properly;	§ 5.4, 5.5, App B - DOI
(m)	The discharge containment equipment required by § 154.545 of this chapter is readily accessible or deployed as applicable;	§ 5.4, 5.5, App B - DOI
(n)	The discharge containment equipment required by § 154.530, 155.310, and 155.320 of this chapter, as applicable, is in place and periodically drained to provide the required capacity;	§ 5.4, 5.5, App B - DOI
(o)	Each drain and scupper is closed by the mechanical means required by § 155.310;	§ 5.4, 5.5, App B - DOI
(p)	All connections in the transfer system are leak free except that a component in the transfer system, such as the packing glands of a pump, may leak at a rate that does not exceed the capacity of the discharge containment provided during the transfer operation;	§ 5.4, 5.5, App B - DOI
(q)	The communications required by § 154.560 and 155.785 of this chapter are operable for the transfer operation.	§ 5.4, 5.5, App B - DOI
(r)	The emergency means of shutdown required by § 154.550 and 155.780 of this chapter, as applicable, is in position and operable;	§ 5.4, 5.5, App B - DOI
(s)	There is a person-in-charge on the transferring vessel or facility and the receiving vessel or facility except as otherwise authorized under § 156.115;	§ 5.4, 5.5, App B - DOI
(t)	Each person-in-charge required by paragraph(s) of this section:	-------
(t) (1)	Is at the site of the transfer operation and immediately available to the transfer personnel;	§ 5.4
(t) (2)	Has in his or her possession a copy of the Facility Plan or vessel transfer procedures, as appropriate; and	§ 5.4
(t) (3)	Conducts the transfer operation in accordance with the Facility Plan or vessel transfer procedures, as appropriate;	§ 5.4
(u)	The personnel required, under the Facility Plan and the vessel transfer procedures, to conduct the transfer operation:	§ 5.4, App B - DOI
(u) (1)	Are on duty, and	§ 5.4, App B - DOI
(u) (2)	Conduct the transfer operation in accordance with the Facility Plan or vessel transfer procedures, as appropriate;	§ 5.4, App B - DOI
(v)	At least one person is at the site of the transfer operation who fluently speaks the language or languages spoken by both persons-in-charge;	§ 5.4, App B - DOI

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FIGURE 7.2

USCG 33 CFR Part 156
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 156.120	***Requirements for Transfer (Cont'd)***	
(w)	The person-in-charge of transfer operations on the transferring vessel or facility and the person-in-charge of transfer operations on the receiving vessel or facility have held a conference, to ensure that each person-in-charge understands the following details of the transfer operation:	§ 5.4, 5.5, App B - DOI
(w) (1)	The identity of the product to be transferred;	§ 5.4, 5.5, App B - DOI
(w) (2)	The sequence of transfer operations;	§ 5.4, 5.5, App B - DOI
(w) (3)	The transfer rate;	§ 5.4, 5.5, App B - DOI
(w) (4)	The name or title and location of each person participating in the transfer operation;	§ 5.4, 5.5, App B - DOI
(w) (5)	Details of the transferring and receiving systems including procedures to ensure that the transfer pressure does not exceed the maximum allowable working pressure (MAWP) for each hose assembly, loading arm and/or transfer pipe system;	§ 5.4, 5.5, App B - DOI
(w) (6)	Critical stages of the transfer operation;	§ 5.4, 5.5, App B - DOI
(w) (7)	Federal, state, and local rules that apply to the transfer of oil or hazardous material;	§ 5.4, 5.5, App B - DOI
(w) (8)	Emergency procedures;	§ 5.4, 5.5, App B - DOI
(w) (9)	Discharge containment procedures;	§ 5.4, 5.5, App B - DOI
(w) (10)	Discharge reporting procedures;	§ 5.4, 5.5, App B - DOI
(w) (11)	Watch or shift arrangement;	§ 5.4, 5.5, App B - DOI
(w) (12)	Transfer shutdown procedures;	§ 5.4, 5.5, App B - DOI
(x)	The person-in-charge of transfer operations on the transferring vessel or facility and the person-in-charge of transfer operations on the receiving vessel or facility agree to begin the transfer operation;	§ 5.4, 5.5, App B - DOI
(y)	Between sunset and sunrise the lighting required by §154.570 and 155.790 of this chapter is provided; and	§ 5.4, 5.5, App B - DOI
(z)	For transfer operations between tank barges from sunset to sunrise, lighting is provided as described in § 155.790 of this chapter.	§ 5.4, 5.5, App B - DOI
(aa)	A transfer operation which includes collection of vapor emitted from a vessel's cargo tanks through a venting system not located on the vessel must have the following verified by the person-in-charge:	N/A
(aa) (1)	Each Plan valve in the vapor collection system is correctly positioned to allow the collection of cargo vapor;	N/A
(aa) (2)	A vapor collection hose or arm is connected to the vessel's vapor connection;	N/A
(aa) (3)	The electrical insulating device required by § 154.810(g) of this chapter or 46 CFR 39.40-3(c) is fitted between the facility vapor connection and the vessel vapor connection;	N/A

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FIGURE 7.2

USCG 33 CFR Part 156
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 156.120	***Requirements for Transfer (Cont'd)***	
(aa) (4)	The initial loading rate and the maximum transfer rate are determined;	N/A
(aa) (5)	The maximum and minimum operating pressures at the facility vapor connection are determined;	N/A
(aa) (6)	The tank barge overfill control system, if installed, is connected to the facility, tested, and operating properly;	N/A
(aa) (7)	The following have been performed not more than 24 hours prior to the start of the transfer operation;	N/A
(aa) (7) (i)	Each alarm and automatic shutdown system required by subpart E of part 154 of this chapter and 46 CFR part 39 has been tested and found to be operating properly, and	N/A
(aa) (7) (ii)	Analyzers required by § 154.820(a), 154.824(d) and (e) of this chapter or 46 CFR 39.40-3(a) have been checked for calibration by use of a span gas;	N/A
(aa) (8)	Each vapor recovery hose has no unrepaired loose covers, kinks, bulges, soft spots, or any other defect which would permit the discharge of vapor through the hose material, and no external gouges, cuts, or slashes that penetrate the first layer of hose reinforcement; and	N/A
(aa) (9)	The oxygen content of the vessel's cargo tanks, if inerted, is at or below 8 percent by volume.	N/A
(bb)	If the transfer operation involves loading oil, as defined in § 151.05 of this chapter, into a cargo tank, the overfill device required by § 155.480 of this chapter is installed and operating properly.	N/A
(cc)	Smoking is not permitted in the facilities marine transfer area except in designated smoking areas.	*
(dd)	Welding, hot work operations and smoking are prohibited on vessels during the transfer of flammable or combustible materials, except that smoking may be permitted in accommodation areas designated by the master.	*
§ 156.130	***Connection***	
(a)	Each person who makes a connection for transfer operations shall:	§ 5.5
(a) (1)	Use suitable material in joints and couplings to ensure a leak-free seal;	§ 5.5
(a) (2)	Use a bolt in at least every other hole, and in no case less than four bolts, in each temporary bolted connection that uses a flange that meets American National Standards Institute (ANSI) standard flange requirements under § 154.500(d)(2) of this chapter;	§ 5.5
(a) (3)	Use a bolt in each hole in each temporary bolted connection that uses a flange other than one that meets ANSI standards;	§ 5.5
(a) (4)	Use a bolt in each hole of each permanently connected flange;	§ 5.5
(a) (5)	Use bolts of the correct size in each bolted connection; and	§ 5.5
(a) (6)	Tighten each bolt and nut uniformly to distribute the load and sufficiently to ensure a leak free seal.	§ 5.5
(b)	A person who makes a connection for transfer operations must not use any bolt that shows signs of strain or is elongated or deteriorated.	§ 5.5
(c)	Except as provided in paragraph (d) of this section, no person may use a connection for transfer operations unless it is:	§ 5.5
(c) (1)	A bolted or full threaded connection; or	§ 5.5

* Not applicable for Mobile Facilities

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FIGURE 7.2

USCG 33 CFR Part 156
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 156.130	***Connection (Cont'd)***	
(c) (2)	A quick-connect coupling acceptable to the Commandant.	§ 5.5
(d)	No person may transfer oil or hazardous material to a vessel that has a fill pipe for which containment cannot practically be provided unless an automatic back pressure shutoff nozzle is used.	§ 5.5
§ 156.150	***Declaration of Inspection***	
(a)	No person may transfer oil or hazardous material to or from a vessel unless each person-in-charge, designated under § 154.710 and 155.700 of this chapter, has filled out and signed the declaration of inspection form described in paragraph (c) of this section.	§ 5.3
(b)	No person-in-charge may sign the declaration of inspection unless he or she has determined by inspection, and indicated by initialing in the appropriate space on the declaration of inspection form, that the facility or vessel, as appropriate, meets § 156.120.	§ 5.3
(c)	The declaration of inspection may be in any form but must contain at least:	§ 5.3
(c) (1)	The name or other identification of the transferring vessel or facility and the receiving vessel or facility;	§ 5.3
(c) (2)	The address of the facility or location of the transfer operation if not at a facility;	§ 5.3
(c) (3)	The date and time the transfer operation is started;	§ 5.3
(c) (4)	A list of the requirements in § 156.120 with spaces on the form following each requirement for the person-in-charge of the vessel or facility to indicate by initialing that the requirement is met for the transfer operation; and	§ 5.3
(c) (5)	A space for the date, time of signing, signature, and title of each person-in-charge during transfer operations on the transferring vessel or facility and a space for the date, time of signing, signature, and title of each person-in-charge during transfer operations on the receiving facility or vessel certifying that all tests and inspections have been completed and that they are both ready to begin transferring product; and	§ 5.3
(c) (6)	The date and time the transfer operation is completed.	§ 5.3
(d)	The form for the declaration of inspection may incorporate the declaration-of-inspection requirements under 46 CFR 35.35-30.	§ 5.3
(e)	The vessel and facility persons-in-charge shall each have a signed copy of the declaration of inspection available for inspection by the COTP during the transfer operation.	§ 5.3
(f)	The operators of each vessel and facility engaged in the transfer operation shall retain a signed copy of the declaration of inspection on board the vessel or at the facility for at least one (1) month from the date of signature.	§ 5.3

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FIGURE 7.2

USCG 33 CFR Part 156
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 156.170	***Equipment Tests and Inspections***	
(a)	Except as provided in paragraph (d) of this section, no person may use any equipment listed in paragraph (c) of this section for transfer operations unless the vessel or facility operator, as appropriate, tests and inspects the equipment in accordance with paragraphs (b), (c) and (f) of this section and the equipment is in the condition specified in paragraph (c) of this section.	§ 5.2
(b)	During any test or inspection required by this section, the entire external surface of the hose must be accessible.	§ 5.2
(c)	For the purpose of paragraph (a) of this section:	-------
(c) (1)	Each nonmetallic transfer hose must:	§ 5.2
(c) (1) (i)	Have no unrepaired loose covers, kinks, bulges, soft spots or any other defect which would permit the discharge of oil or hazardous material through the hose material, and no gouges, cuts or slashes that penetrate the first layer of hose reinforcement as defined in § 156.120 (i);	§ 5.2
(c) (1) (ii)	Have no external deterioration and, to the extent internal inspection is possible with both ends of the hose open, no internal deterioration;	§ 5.2
(c) (1) (iii)	Not burst, bulge, leak, or abnormally distort under static liquid pressure at least 1 2 times the maximum allowable working pressure; and	§ 5.2
(c) (1) (iv)	Hoses not meting the requirements of paragraph (c)(1)(i) of this section may be acceptable after a static liquid pressure test is successfully completed in the presence of the COTP. The test medium is not required to be water.	§ 5.2
(c) (2)	Each transfer system relief valve must open at or below the pressure at which it is set to open;	§ 5.2
(c) (3)	Each pressure gauge must show pressure within 10 percent of the actual pressure;	§ 5.2
(c) (4)	Each loading arm and each transfer pipe system, including each metallic hose, must not leak under static liquid pressure at least 1 2 times the maximum allowable working pressure; and	§ 5.1
(c) (5)	Each item of remote operating or indicating equipment, such as a remotely operated valve, tank level alarm, or emergency shutdown device, must perform its intended function.	§ 5.2
(d)	No person may use any hose in underwater service for transfer operations unless the operator of the vessel or facility has tested and inspected it in accordance with paragraph (c)(1) or (c)(4) of this section, as applicable.	§ 5.1, 5.2
(e)	The test fluid used for the testing required by this section is limited to liquids that are compatible with the hose tube as recommended by the hose manufacturer.	§ 5.1
(f)	The frequency of the tests and inspections required by this section must be:	-------
(f) (1)	For facilities, annually or not less than 30 days prior to the first transfer conducted past one year from the date of the last tests and inspections;	§ 5.2
(f) (2)	For a facility in caretaker status, not less than 30 days prior to the first transfer after the facility is removed from caretaker status; and	N/A
(f) (3)	For vessels, annually or as part or the biennial and mid-period inspections.	N/A

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FIGURE 7.2

USCG 33 CFR Part 156
CROSS REFERENCE (Cont'd)

	BRIEF DESCRIPTION	SECTION
§ 156.170	***Equipment Tests and Inspections (Cont'd)***	
(g)	If a facility or vessel collects vapor emitted from a vessel cargo tank with a vapor control system, the system must not be used unless the following tests and inspections are satisfactorily completed:	N/A
(g) (1)	Each vapor hose, vapor collection arm, pressure or vacuum relief valve, and pressure sensor is tested and inspected in accordance with paragraphs (b), (c), and (f) of this section;	N/A
(g) (2)	Each remote operating or indicating device is tested for proper operation in accordance with paragraph (f) of this section;	N/A
(g) (3)	Each detonation arrester required by § 154.820, 154.826(a), and 154.828(a) of this chapter or 46 CFR 39.40-3(d), and each flame arrester required by § 154.826(a), 154.828(a) and (c) of this chapter has been inspected internally within the last year, or sooner if operational experience has shown that frequent clogging or rapid deterioration is likely; and	N/A
(g) (4)	Each hydrocarbon and oxygen analyzer required by § 154.820(a) and 154.824(d) and (e) of this chapter or 46 CFR 39.40-3(a) is calibrated:	N/A
(g) (4) (i)	Within the previous two weeks; or	N/A
(g) (4) (ii)	Within 24 hours prior to operation when the vapor control system is operated less frequently than once a week.	N/A
(h)	Upon the request of the owner or operator, the COTP may approve alternative methods of compliance to the testing requirements of paragraph (c) of this section if the COTP determines that the alternative methods provide an equal level of protection.	§ 5.2

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APPENDIX A

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APPENDIX A

EMERGENCY CONTACT/NOTIFICATION DATA

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Internal Notification References A-2

External Notification References A-3

Notification Data Sheet A-7

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INTERNAL NOTIFICATION REFERENCES

GENERAL FACILITY			
FACILITY/AREA	ADDRESS	OFFICE	FAX NUMBER
CES Environmental Services, In.	4904 Griggs Rd. Houston, TX 77021	(713) 676-1460	(713) 676-1676

FACILITY MANAGEMENT				
POSITION/TITLE	NAME	OFFICE	HOME	MOBILE
Qualified Individual / President	Matt Bowman	(713) 676-1460	(281) 225-2225	(713) 826-1329
Alt. Qualified Individual / Vice President, Field Services and Maintenance	Steve Stricker	(713) 676-1460	(979) 345-5885	(281) 433-7052
Alt. Qualified Individual / HSE Manager	Karl Guidry	(713) 676-1460	(713) 946-6417	(832) 287-0862
	Prabhakar Thangudu	(713) 676-1460	(281) 286-8155	(281) 433-9792

RESPONSE CONTRACTORS		
COMPANY	LOCATION	TELEPHONE
Clean Harbors	Houston, TX	(800) 645-8265*

Environment Type	USCG Facility Classification Level			
	MM	W1	W2	W3
Rivers/Canals	X	X	X	X
Inland	X	X	X	X

* 24 Hours

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EXTERNAL NOTIFICATION REFERENCES

REQUIRED NOTIFICATIONS	
NATIONAL RESPONSE CENTER	
c/o United States Coast Guard (CG-3RPF-2) 2100 2nd Street Southwest - Room 2111-B Washington, D.C. 20593-0001	(800) 424-8802 (24 Hrs.) (202) 267-2180 (24 Hrs.) (202) 267-1322 (Fax)
REPORTING REQUIREMENTS TYPE: Any oil discharge that has impacted or threatens to impact navigable waters or release of a hazardous substance in an amount equal to or greater than the reportable quantity. VERBAL: Immediately WRITTEN: Not Required Request fax confirmation of report	
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	
200 Constitution Avenue Washington, D.C. 20210	(800) 321-6742
REPORTING REQUIREMENTS TYPE: Fatality from a work related incident or the inpatient hospitalization of three or more employees as a result of a work related incident. VERBAL: Immediately WRITTEN: As requested	

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EXTERNAL NOTIFICATION REFERENCES (Cont'd)

REQUIRED NOTIFICATIONS	
TEXAS GENERAL LAND OFFICE (TGLO)	
General Land Office Stephen F. Austin Building 1700 North Congress Avenue, Room 740 Austin, TX 78701	(800) 832-8224 (24 Hrs.)
REPORTING REQUIREMENTS TYPE: 1) Any discharge originating in Federal waters with potential to impact State waters. 2) Notify of any discharge originating in State waters. VERBAL: Immediately	
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ)	
P.O. Box 13807 Austin, TX 78711-3807	(800) 832-8224 (24 Hrs.) (888) 777-3186 (Automatically routes to the closest TCEQ regional office)
REPORTING REQUIREMENTS TYPE: Any discharge into State waters VERBAL: Immediately	

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EXTERNAL NOTIFICATION REFERENCES (Cont'd)

REQUIRED NOTIFICATIONS (Cont'd)	
LOCATION	**TELEPHONE**
Local Emergency Planning Committee(s)	
Brazoria County	(713) 844-7506
Chambers County	(409) 267-8318
Galveston County	(409) 643-5700 (713) 996-5314
Harris County - Baytown	(281) 420-6558
Harris County - Deer Park	(281) 478-7247

NON-REQUIRED ASSISTANCE/ADVISORY NOTIFICATIONS (outside resources)		
AGENCY	**LOCATION**	**TELEPHONE**
USCG Sector Houston - Galveston	Galena Park, TX	(713) 671-5100
USCG MSU Galveston	Galveston, TX	(409) 766-5400
USCG MSU Port Arthur	Port Arthur, TX	(409) 723-6501
Texas Department of Emergency Management (SERC)	Austin, TX	(512) 424-2000
U.S. Fish & Wildlife	Houston, TX	(281) 480-7418
Texas Parks and Wildlife	Austin, TX	(512) 389-4636
USEPA Region VI	Dallas, TX	(214) 665-2222
National Weather Service	Corpus Christi, TX Dickinson, TX	(361) 289-0959 (281) 337-5074
U.S. Army Corps of Engineers	Proctor, TX	(254) 893-7545

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EXTERNAL NOTIFICATION REFERENCES (Cont'd)

LOCAL EMERGENCY SERVICES		
AGENCY	**LOCATION**	**TELEPHONE**
CHAMBERS COUNTY		
High Island Fire Department	High Island	911 / (409) 286-5262
Chambers County Sheriff	Winnie	911 / (409) 296-8242
Southeast Texas EMS (Ambulance)	Beaumont	(409) 347-3111
BRAZORIA COUNTY		
Freeport Fire Department	Freeport	911 / (979) 239-1211
Surfside Beach Fire Department	Freeport	911 / (979) 233-5926
Brazoria County Sheriff	Angleton	911 / (979) 849-2441
Freeport Police Department	Freeport	911 / (979) 239-1211
Gulf Coast Rescue Squad	Freeport	(979) 233-5831
GALVESTON COUNTY		
Galveston Fire Central Station	Galveston	911 / (409) 766-3303
Texas City Fire Department	Texas City	911 / (409) 643-5700
Crystal Beach Fire Rescue	Port Bolivar	911 / (409) 684-6311
Galveston County Sheriff	Galveston	911 / (409) 766-2300
Galveston Police Department	Galveston	911 / (409) 766-2100
Galveston Medical Transport	Galveston	(409) 744-2141
HARRIS COUNTY		
Baytown Fire & Rescue Service	Baytown	911 / (281) 422-2311
Galena Park Fire Station	Galena Park	911 / (713) 330-1205
Pasadena Fire Department	Pasadena	911 / (713) 475-5554
Harris County Sheriff	Houston	911 / (281) 488-4717
Baytown Police Department	Baytown	911 / (281) 420-8371
Galena Park Police Department	Galena Park	911 / (713) 675-3471
Pasadena Police Department	Pasadena	911 / (713) 477-1511
Baytown Ambulance Service	Baytown	(281) 422-0044
Central EMS	Houston	(713) 847-8887
North Channel Emergency Med	Houston	(713) 637-0911
Regency EMS	Pasadena	(713) 910-1080

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NOTIFICATION DATA SHEET

Date: _____ ***Time:*** _____

INCIDENT DESCRIPTION

Reporter's Full Name: _____ ***Position:*** _____
Day Phone Number: _____ ***Evening Phone Number:*** _____
Company: CES Environmental Services, Inc. ***Organization Type:*** _____
Facility Address: 4904 Griggs Rd. ***Owner's Address:*** CES Environmental Services, Inc.
Houston, TX 77021 4904 Griggs Rd.
Houston, TX 77021
Facility Latitude: _____ ***Facility Longitude:*** _____
Spill Location: _____
(if not at Facility) _____
Responsible Party's Name: _____ ***Phone Number:*** _____
Responsible Party's Address: _____
Source and/or cause of discharge: _____
_____
_____
Nearest City: _____
County: _____ ***State:*** _____ ***Zip code:*** _____
Section: _____ ***Township:*** _____ ***Range:*** _____ ***Borough:*** _____
Distance from City: _____ ***Direction from City:*** _____
Container Type: _____ ***Container Storage Capacity:*** _____
Facility Oil Storage Capacity: _____
Material:

Total Quantity Released	Water Impact (*YES or NO*)	Quantity into Water

RESPONSE ACTION(S)

Action(s) taken to Correct, Control, or Mitigate Incident: _____
_____
_____
Number of Injuries: _____ ***Number of Deaths:*** _____
Evacuation(s): _____ ***Number Evacuated:*** _____
Damage Estimate: _____
More information about impacted medium: _____
_____

CALLER NOTIFICATIONS

National Response Center (NRC): 1-800-424-8802
Additional Notifications (Circle all applicable): ***USCG*** ***EPA*** ***State*** ***Other***

ADDITIONAL INFORMATION

Any information about the incident not recorded elsewhere in this report: _____
_____
_____
_____

NOTE: DO NOT DELAY NOTIFICATION PENDING COLLECTION OF ALL INFORMATION.

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APPENDIX B

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APPENDIX B

FORMS

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Cargo Hose/Piping Inspection and Testing Report B-2

Declaration of Inspection B-3

Sample PIC Letter B-4

EPAHO089000141

CARGO HOSE/PIPING INSPECTION AND TESTING REPORT

REGULATION: "The cargo hose and piping shall be hydrostatically tested at least once each year to 1-1/2 times its maximum allowable working pressure. The maximum allowable working pressure shall be stenciled on the cargo hose and piping."

FREQUENCY: Required at least once a year for compliance with 33 CFR 126.15(o) (7) (iv).

LOCATION: _____

DATE OF TEST OR INSPECTION: _____

MAXIMUM ALLOWABLE WORKING PRESSURE _____ PSIG

HOSE TEST PRESSURE
(1-1/2 Times Maximum Allowable psig) _____ PSIG

MAXIMUM ALLOWABLE PRESSURE STENCILED

ON HOSE _____ PSIG

ON PIPING _____ PSIG

OTHER EQUIPMENT TESTED

_____ _____ PSIG

_____ _____ PSIG

_____ _____ PSIG

REMARKS

_____

_____

_____

SIGNATURE _____

EPAHO089000142

DECLARATION OF INSPECTION

DECLARATION OF INSPECTION PRIOR TO BULK CARGO TRANSFER		RADIO NO.	
VESSEL:		DATE/TIME ISSUED	
		VESSEL PIC SIGNATURE	
TRANSFER FACILITY:	CES ENVIRONMENTAL SERVICES, INC.	DATE/TIME RETURNED	
LOCATION:		FACILITY PIC SIGNATURE	

The following list refers to requirements set forth in detail 33 CFR 156.150 and 46 CFR 35.35-30		
The spaces adjacent to items on the list are provided to indicate that the detailed requirement has been met.	INITIAL	
	FACILITY	VESSEL
1. Communication System/Language Fluency. (156.120 (q) (154.560) (155.785) (156.120V))		
2. Warning Signs and red Warning Signal. (35.35-30)		
3. Adequate Vessels Mooring. (156.120 (a))		
4. Transfer System Alignment. (156.120 (d))		
5. Transfer System; unused components. (156.120 (e) (f) (154.120) (155.805))		
6. Transfer System; fixed piping. (156.120 (g))		
7. Overboard. Discharges/Sea Suction Lashed Valves. (156.120 (h))		
8. Hoses or Loading Arms condition. (156.120 (l) (j) (154.500) (154.510))		
9. Hoses; length and support. (156.120 (b) (c))		
10. Connections. (156.120 (k) (p) (156.130))		
11. Monitoring Devices. (156.120 (l) (154.525))		
12. Discharge Containment System Capacity Maintained. (156.120 (m) (n) (p) (154.530) (155.310) (155.320) (154.545))		
13. Scuppers or Drains. (156.120 (o) (155.310))		
14. Emergency Shutdown. (156.120 (r) (154.550) (155.780))		
15. Repair Work Authorization. (35.35-30)		
16. Boiler and Galley Fires Safety. (35.35-30)		
17. Fires or Open Flames. (35.35-30)		
18. Lighting (sunset to sunrise). (156.120 (y) (z) (154.570) (155.790))		
19. Safe Smoking Spaces. (35.35-30)		
20. Spill and Emergency shutdown procedures. (156.120 (w))		
21. Sufficient Personnel. (156.120 (s) (156.115 (u))		
22. Pre-Transfer Conference - refer to the reverse side for the items to be discussed. (156.120 (w))		
23. Agreement to begin Transfer. (156.120 (x))		
24. Persons-in-Charge immediate vicinity/positioned to observe and supervise transfer. (156.160)		
25. Cargo Information Card - Reviewed and Issued. (151.45-2 (e) (3))		
26. Inert Gas System - Operating Properly. (32.53)		

I do certify that I have personally inspected this facility or vessel with reference to the requirements set forth in section 35.35-30 and that opposite each of them I have indicated by my initials that the regulations have been complied with.

	SIGNATURE			SIGNATURE	
FACILITY	TITLE		VESSEL	TITLE	
	TIME AND DATE			TIME AND DATE	

I certify that I have read the above declaration and detailed requirements and all conditions remain satisfactory.

SUBSEQUENT FACILITY PERSON-IN-CHARGE			SUBSEQUENT VESSEL PERSON-IN-CHARGE		
SIGNATURE/TITLE	TIME	DATE	SIGNATURE/TITLE	TIME	DATE
TRANSFER START			**TRANSFER COMPLETE**		

EPAHO089000143

SAMPLE PIC LETTER

CES Environmental Services, Inc.
4904 Griggs Rd.
Houston, TX 77021

Commanding Officer
U.S. Coast Guard - Marine Safety Unit
P.O. Box 0149
Galveston, TX 77553-0149

Re: Designation of Person-In-Charge

In accordance with 33 CFR 154.320(d) and 154.710(a), the following changes in designation of Person(s)-In-Charge have been established and this letter serves as a notification to the U.S. Coast Guard of the change.

ADD:

TITLE	NAME	LOCATION	WORK PHONE

REMOVE:

TITLE	NAME	LOCATION	WORK PHONE

The designated PICs meet the qualifications and training requirements listed in 33 CFR 154.710. If you have any questions related to this issue, please contact us at (281) 452-6031.

Respectfully,

EPAHO089000144

APPENDIX C

EPAHO089000145

APPENDIX C

GLOSSARY OF TERMS/ACRONYMS

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Acronyms C-7

EPAHO089000146

GLOSSARY

This glossary contains definitions of terms that will be used frequently during the course of response operations.

Adverse Weather: The weather conditions that will be considered when identifying response systems and equipment in a response plan for the applicable operating environment. Factors to consider include significant wave height, ice, temperature, weather - related visibility, and currents within the Captain of the Port (COTP) zone in which the systems or equipment are intended to function.

Agency Representative: Individual assigned to an incident from an agency who has been delegated full authority to make decisions on all matters affecting that agency's participation in response operations.

Area Contingency Plan: As defined by Sections 311(a)(19) and (j)(4) of CWA, as amended by OPA, means the plan prepared by an Area Committee, that in conjunction with the NCP, shall address the removal of a discharge including a worst-case discharge and the mitigation or prevention of a substantial threat of such a discharge from a vessel, offshore facility, or onshore facility operating in or near an area designated by the President.

Average Most Probable Discharge: A discharge of the lesser of 50 barrels or 1% of the volume of the worst case discharge.

Barrel: Measure of space occupied by 42 U.S. gallons at 60 degrees Fahrenheit.

Boom: A piece of equipment or a strategy used to either contain free floating oil to a confined area or protect an uncontaminated area from intrusion by oil.

Booming Strategies: Strategic techniques which identify the location and quantity of boom required to protect certain areas. These techniques are generated by identifying a potential spill source and assuming certain conditions which would affect spill movement on water.

Bulk: Material that is stored or transported in a loose, unpackaged liquid, powder, or granular form capable of being conveyed by a pipe, bucket, chute, or belt system.

Clean-up Contractor: Persons contracted to undertake a response action to clean up a spill.

Cleanup: For the purposes of this document, cleanup refers to the removal and/or treatment of oil, hazardous substances, and/or the waste or contaminated materials generated by the incident. Cleanup includes restoration of the site and its natural resources.

Coastal Waters: For the purpose of classifying the size of discharges, means the waters of the coastal zone except for the Great Lakes and specified ports and harbors on inland rivers.

Coastal Zone: As defined for the purpose of the NCP, means all United States waters subject to the tide, United States waters of the Great Lakes, specified ports and harbors on inland rivers, waters of the contiguous zone, other waters of the high seas subject to the NCP, and the land surface or land substrata, ground waters, and ambient air proximal to those waters. The term coastal zone delineates an area of federal responsibility for response action. Precise boundaries are determined by EPA/USCG agreements and identified in federal regional contingency plans.

Command Post: A site located at a safe distance from the spill site where response decisions are made, equipment and manpower deployed, and communications handled. The Incident Commander and the On-Scene Coordinators may direct the on-scene response from this location.

Containment Boom: A flotation/freeboard device, made with a skirt/curtain, longitudinal strength member, and ballast unit/weight designed to entrap and contain the product for recovery.

Contingency Plan: A document used by (1) Federal, state, and local agencies to guide their planning and response procedures regarding spills of oil, hazardous substances, or other emergencies; (2) a document used by industry as a response plan to spills of oil, hazardous substances, or other emergencies occurring upon their vessels or at their facilities.

Contract or Other Approved Means: For OPA 90, a written contract with a response contractor; certification by the facility owner or operator that personnel and equipment are owned, operated, or under the direct control of the facility, and available within the stipulated times; active membership in a local or regional oil spill removal organization; and/or the facility's own equipment.

Critical Areas To Monitor: Areas which if impacted by spilled oil may result in threats to public safety or health.

Cultural Resources: Current, historic, prehistoric and archaeological resources which include deposits, structures, ruins, sites, buildings, graves, artifacts, fossils, or other objects of antiquity which provide information pertaining to the historical or prehistorical culture of people in the state as well as to the natural history of the state.

EPAHO089000147

GLOSSARY (Cont'd)

Damage Assessment: The process of determining and measuring damages and injury to the human environment and natural resources, including cultural resources. Damages include differences between the conditions and use of natural resources and the human environment that would have occurred without the incident, and the conditions and use that ensued following the incident. Damage assessment includes planning for restoration and determining the costs of restoration.

Decontamination: The removal of hazardous substances from personnel and their equipment necessary to prevent adverse health effects.

Discharge: Any spilling, leaking, pumping, pouring, emitting, emptying, or dumping.

Dispersants: Means those chemical agents that emulsify, disperse, or solubilize oil into the water column or promote the surface spreading of oil slicks to facilitate dispersal of the oil into the water column.

Diversion Boom: A floatation/freeboard device, made with a skirt/curtain, longitudinal strength member, and ballast unit/weight designed to deflect or divert the product towards a pick up point, or away from certain areas.

Drinking Water Supply: As defined by Section 101(7) of CERCLA, means any raw or finished water source that is or may be used by a public water system (as defined in the Safe Drinking Water Act) or as drinking water by one or more individuals.

Economically Sensitive Areas: Those areas of explicit economic importance to the public that due to their proximity to potential spill sources may require special protection and include, but are not limited to: potable and industrial water intakes; locks and dams; and public and private marinas.

Emergency Service: Those activities provided by state and local government to prepare for and carry out any activity to prevent, minimize, respond to, or recover from an emergency.

Environmentally Sensitive Areas: Streams and water bodies, aquifer recharge zones, springs, wetlands, agricultural areas, bird rookeries, endangered or threatened species (flora and fauna) habitat, wildlife preserves or conservation areas, parks, beaches, dunes, or any other area protected or managed for its natural resource value.

Facility: Either an onshore facility or an offshore facility and includes, but is not limited to structures, equipment, and appurtenances thereto, used or capable of being used to transfer oil to or from a vessel or a public vessel. A facility includes federal, state, municipal, and private facilities.

Facility Operator: The person who owns, operates, or is responsible for the operations of the Facility.

Federal On-Scene Coordinator (FOSC): Means the Federal official predesignated by the EPA or the USCG to coordinate and direct response under subpart D.

First Responders, First Response Agency: A public health or safety agency (e.g., fire service or police department) charged with responding to a spill during the emergency phase and alleviating immediate danger to human life, health, safety, or property.

Harmful Quantity Of Oil: The presence of oil from an unauthorized discharge in a quantity sufficient either to create a visible film or sheen upon or discoloration of the surface of the water or a shoreline, tidal flat, beach, or marsh, or to cause a sludge or emulsion to be deposited beneath the surface of the water or on a shoreline, tidal flat, beach, or marsh.

Hazardous Material: Any nonradioactive solid, liquid, or gaseous substance which, when uncontrolled, may be harmful to humans, animals, or the environment. Including but not limited to substances otherwise defined as hazardous wastes, dangerous wastes, extremely hazardous wastes, oil, or pollutants.

Hazardous Substance: Any substance designed as such by the Administrator of the EPA pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act; regulated pursuant to Section 311 of the Federal Water Pollution Control Act, or discharged by the SERC.

Hazardous Waste: Any solid waste identified or listed as a hazardous waste by the Administrator of the EPA pursuant to the federal Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act (RCRA), 42 U.S.C., Section 6901, et seq as amended. The EPA Administrator has identified the characteristics of hazardous wastes and listed certain wastes as hazardous in Title 40 of the Code of Federal Regulations, Part 261, Subparts C and D respectively.

HAZMAT: Hazardous materials or hazardous substances, exposure to which may result in adverse effects on health or safety of employees.

HAZWOPER: Hazardous Waste Operations and Emergency Response Regulations published by OSHA to cover worker safety and health aspects of response operations.

Heat Stress: Dangerous physical condition caused by over exposure to extremely high temperatures.

Hypothermia: Dangerous physical condition caused by over exposure to freezing temperatures.

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GLOSSARY (Cont'd)

Incident: Any event that results in a spill or release of oil or hazardous materials. Action by emergency service personnel may be required to prevent or minimize loss of life or damage to property and/or natural resources.

Incident Command System (ICS): The combination of facilities, equipment, personnel, procedures, and communications operating within a common organizational structure, with responsibility for the management of assigned resources at an incident.

Incident Commander (IC): The one individual in charge at any given time of an incident. The incident commander will be responsible for establishing a unified command with all on-scene coordinators.

Initial Cleanup: Remedial action at a site to eliminate acute hazards associated with a spill. An initial clean-up action is implemented at a site when a spill of material is an actual or potentially imminent threat to public health or the environment, or difficulty of cleanup increases significantly without timely remedial action. All sites must be evaluated to determine whether initial cleanup is total cleanup, however, this will not be possible in all cases due to site conditions (i.e., a site where overland transport or flooding may occur).

Initial Notification: The process of notifying necessary the Company personnel and Federal/State/Local agencies that a spill has occurred, including all pertinent available information surrounding the incident.

Initial Response Actions: The immediate actions that are to be taken by the spill observer after detection of a spill.

Interim Storage Site: A site used to temporarily store recovered oil or oily waste until the recovered oil or oily waste is disposed of at a permanent disposal site. Interim storage sites include trucks, barges, and other vehicles, used to store waste until the transport begins.

Lead Agency: The government agency that assumes the lead for directing response activities.

Lead Federal Agency: The agency which coordinates the federal response to incidents on navigable waters. The lead federal agencies are:

- **U.S. Coast Guard:** *Oil and chemically hazardous materials incidents on navigable waters.*
- **Environmental Protection Agency:** *Oil and chemically hazardous materials incidents on inland waters.*

Lead State Agency: The agency which coordinates state support to federal and/or local governments or assumes the lead in the absence of federal response.

Local Emergency Planning Committee (LEPC): A group of local representatives appointed by the State Emergency Response Commission (SERC) to prepare a comprehensive emergency plan for the local emergency planning district, as required by the Emergency Planning and Community Right-to-know Act (EPCRA).

Local Response Team: Designated Facility individuals who will fulfill the roles determined in the oil spill response plan in the event of an oil or hazardous substance spill. They will supervise and control all response and clean-up operations.

Lower Explosive Limit: Air measurement utilized to determine the lowest concentration of vapors that support combustion. This measurement must be made prior to entry into a spill area.

Medium Discharge: Means a discharge greater than 2,100 gallons (50 Bbls) and less than or equal to 36,000 gallons (85+ Bbls) or 10% of the capacity of the largest tank, whichever is less and not to exceed the WCD.

National Contingency Plan: The plan prepared under the Federal Water Pollution Control Act (33 United State Code '1321 et seq) and the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (42 United State Code '9601 et seq), as revised from time to time.

Natural Resource: Land, fish, wildlife, biota, air, water, ground water, drinking water supplies, and other such resources belonging to, managed by, held in trust by, appertaining to or otherwise controlled by the state, federal government, private parties, or a municipality.

Navigable Waters: As defined by 40 CFR 110.1 means the waters of the United States, including the territorial seas. The term includes:

(a) All waters that are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters that are subject to the ebb and flow of the tide;
(b) Interstate waters, including interstate wetlands;
(c) All other waters such as interstate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, and wetlands, the use, degradation, or destruction of which would affect or could affect interstate or foreign commerce including any such waters;
    (1) That are or could be used by interstate or foreign travelers for recreational or other purposes;
    (2) From which fish or shellfish are or could be taken and sold in interstate or foreign commerce; and
    (3) That are used or could be used for industrial purposes by industries in interstate commerce.

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GLOSSARY (Cont'd)

Navigable Waters (Cont'd):
(d) All impoundments of waters otherwise defined as navigable waters under this section;
(e) Tributaries of waters identified in paragraphs (a) through (d) of this definition, including adjacent wetlands; and
(f) Wetlands adjacent to waters identified in paragraphs (a) through (e) of this definition: Provided, that waste treatment systems (other than cooling ponds meeting the criteria of this paragraph) are not waters of the United States
(g) Waters of the United States do not include prior converted cropland. Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act jurisdiction remains with EPA.

Nearshore Area: For OPA 90, the area extending seaward 12 miles from the boundary lines defined in 46 CFR Part 7, except in the Gulf of Mexico. In the Gulf of Mexico, it means the area extending seaward 12 miles from the line of demarcation defined in '80.740 - 80.850 of title 33 of the CFR.

Non-persistent or Group I Oil: A petroleum-based oil that, at the time of shipment, consists of hydrocarbon fractions:

1. At least 50% of which by volume, distill at a temperature of 340 degrees C (645 degrees F);
2. At least 95% of which by volume, distill at a temperature of 370 degrees C (700 degrees F)

Oil or Oils: Naturally occurring liquid hydrocarbons at atmospheric temperature and pressure coming from the earth, including condensate and natural gasoline, and any fractionation thereof, including, but not limited to, crude oil, petroleum gasoline, fuel oil, diesel oil, oil sludge, oil refuse, and oil mixed with wastes other than dredged spoil. Oil does not include any substance listed in Table 302.4 of 40 CFR Part 302 adopted August 14, 1989, under Section 101(14) of the federal comprehensive environmental response, compensation, and liability act of 1980, as amended by P.L. 99-499.

Owner or Operator: Any person, individual, partnership, corporation, association, governmental unit, or public or private organization of any character.

Persistent Oil: A petroleum-based oil that does not meet the distillation criteria for a non-persistent oil. For the purposes of this Appendix, persistent oils are further classified based on specific gravity as follows:

1. Group II specific gravity less than .85
2. Group III specific gravity between .85 and less than .95
3. Group IV specific gravity .95 to and including 1.0
4. Group V specific gravity greater than 1.0

Post Emergency Response: The portion of a response performed after the immediate threat of a release has been stabilized or eliminated and cleanup of the sites has begun.

Post Emergency: The phase of response operations conducted after the immediate threat of the release has been stabilized, and cleanup operations have begun.

Primary Response Contractors or Contractors: An individual, company, or cooperative that has contracted directly with the plan holder to provide equipment and/or personnel for the containment or cleanup of spilled oil.

Remove or Removal: As defined by section 311(a)(8) of the CWA, refers to containment and removal of oil or hazardous substances from the water and shorelines or the taking of such other actions as may be necessary to minimize or mitigate damage to the public health or welfare (including, but not limited to, fish, shellfish, wildlife, public and private property, and shorelines and beaches) or to the environment. For the purpose of the NCP, the term also includes monitoring of action to remove discharge.

Response Contractors: Persons/companies contracted to undertake a response action to contain and/or clean up a spill.

Response Resources: All personnel and major items of equipment available, or potentially available, for assignment to incident tasks on which status is maintained.

Responsible Party: Any person, owner/operator, or facility that has control over an oil or hazardous substance immediately before entry of the oil or hazardous substance into the atmosphere or in or upon the water, surface, or subsurface land of the state.

Rivers and Canals: A body of water confined within the inland area that has a project depth of 12 feet or less, including the Intracoastal Waterway and other waterways artificially created for navigation.

Site Characterization: An evaluation of a cleanup site to determine the appropriate safety and health procedures needed to protect employees from identified hazards.

Site Conditions: Details of the area surrounding the facility, including shoreline descriptions, typical weather conditions, socioeconomic breakdowns, etc.

Site Safety and Health Plan: A site specific plan developed at the time of an incident that addresses:

- Safety and health hazard analysis for each operation.
- Personal protective equipment to be used.
- Training requirements for site workers.

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GLOSSARY (Cont'd)

Site Safety and Health Plan: (Cont'd)
- Medical surveillance requirements.
- Air monitoring requirements.
- Site control measures.
- Decontamination procedures.
- Emergency response procedures.
- Confined space entry procedures.

Site Security and Control: Steps that must be taken to provide safeguards needed to protect personnel and property, as well as the general public, to ensure an efficient clean-up operation.

Skimmers: Mechanical devices used to skim the surface of the water and recover floating oil. Skimmers fall into four basic categories (suction heads, floating weirs, oleophilic surface units, and hydrodynamic devices) which vary in efficiency depending on the type of oil and size of spill.

Sorbents: Materials ranging from natural products to synthetic polymeric foams placed in confined areas to soak up small quantities of oil. Sorbents are very effective in protecting walkways, boat decks, working areas, and previously uncontaminated or cleaned areas.

Spill: An unauthorized discharge of oil or hazardous substance into the waters of the state.

Spill Observer: The first Facility individual who discovers a spill. This individual must function as the first responder and person-in-charge until relieved by an authorized supervisor.

Spill Response: All actions taken in responding to spills of oil and hazardous materials, e.g.: receiving and making notifications; information gathering and technical advisory phone calls; preparation for and travel to and from spill sites; direction of clean-up activities; damage assessments; report writing, enforcement investigations and actions; cost recovery; and program development.

Spill Response Personnel: Federal, state, local agency, and industry personnel responsible for participating in or otherwise involved in spill response. All spill response personnel will be preapproved on a list maintained in each region.

Staging Areas: Designated areas near the spill site accessible for gathering and deploying equipment and/or personnel.

State Emergency Response Commission (SERC): A group of officials appointed by the Governor to implement the provisions of Title III of the Federal Superfund Amendments and Reauthorization Act of 1986 (SARA). The SERC approves the State Oil and Hazardous Substance Discharge Prevention and Contingency Plan and Local Emergency Response Plans.

Tidal Current Tables: Tables which contain the predicted times and heights of the high and low waters for each day of the year for designated areas.

Trajectory Analysis: Estimates made concerning spill size, location, and movement through aerial surveillance or computer models.

Transfer: Any movement of oil to, from, or within a vessel by means of pumping, gravitation, or displacement.

Trustee: Means an official of a federal natural resources management agency designated in subpart G of the NCP or a designated state official or Indian tribe or, in the case of discharges covered by the OPA, a foreign government official, who may pursue claims for damages under section 1006 of the OPA.

Unified Command: The method by which local, state, and federal agencies and the responsible party will work with the Incident Commander to:

- Determine their roles and responsibilities for a given incident.
- Determine their overall objectives for management of an incident.
- Select a strategy to achieve agreed upon objectives.
- Deploy resources to achieve agreed-upon objectives.

Waste: Oil or contaminated soil, debris, and other substances removed from coastal waters and adjacent waters, shorelines, estuaries, tidal flats, beaches, or marshes in response to an unauthorized discharge. Waste means any solid, liquid, or other material intended to be disposed of or discarded and generated as a result of an unauthorized discharge of oil. Waste does not include substances intended to be recycled if they are in fact recycled within 90 days of their generation or if they are brought to a recycling facility within that time.

Wetlands: Those areas that are inundated or saturated by surface or groundwater at a frequency or duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include playa lakes, swamps, marshes, bogs, and similar areas such as sloughs, prairie potholes, wet meadows, prairie river overflows, mudflats, and natural ponds (40 CFR 112.2(y)).

Wildlife Rescue: Efforts made in conjunction with Federal and State agencies to retrieve, clean, and rehabilitate birds and wildlife affected by an oil spill.

Worst Case Discharge: The largest foreseeable discharge under adverse weather conditions. For facilities located above the high water line of coastal waters, a worst case discharge includes those weather conditions most likely to cause oil discharged from the facility to enter coastal waters.

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ACRONYMS

AC - Area Committee
AQI - Alternate Qualified Individual
BPD - Barrels Per Day
BPH - Barrels Per Hour
CFR - Code of Federal Regulations
COTP - Captain of the Port
CRZ - Contamination Reduction Zone
CWA - Clean Water Act (Federal - Public Law 100-4)
DECON - Decontamination
DRAT - District Response Advisory Team
DRG - District Response Group
EBS - Emergency Broadcast System
EMS - Emergency Medical Service
EOC - Emergency Operations Center
EPCRA - Emergency Planning and Community Right-to-Know Act of 1986 (Title III of SARA)
ERT - Environmental Response Team
ETA - Estimated Time of Arrival
FAA - Federal Aviation Administration
FAX - Facsimile Machine
FCC - Federal Communications Commission
FEMA - Federal Emergency Management Agency
FOSC - Federal On-Scene Coordinator
FR - Federal Register
GIS - Geographic Information System
GSA - General Services Administration
LEPC - Local Emergency Planning Committee
LFL - Lower Flammable Limit
LOSC - Local On-Scene Coordinator
LRT - Local Response Team
MOU - Memorandum of Understanding
MSO - Marine Safety Office
NCP - National Contingency Plan
NIOSH - National Institute for Occupational Safety and Health
NMFS - National Marine Fisheries Service
NOAA - National Oceanic and Atmospheric Administration (Department of Commerce)
NPFC - National Pollution Funds Center
NPS - National Park Service
NRDAR - Natural Resource Damage Assessment and Restoration
OSC - On-Scene Coordinator
OSHA - Occupational Safety and Health Administration (USDL)
OSRO - Oil Spill Removal Organization
PFD - Personal Flotation Device
PIAT - Public Information Assist Team
PIC - Person-in-Charge
POLREP - Pollution Report
PPE - Personal Protective Equipment
PPM - Parts Per Million
QI - Qualified Individual
RCP - Regional Contingency Plan
RECON - Reconnaissance
RQ - Reportable Quantity
RRT - Regional Response Team
SARA - Superfund Amendments and Reauthorization Act
SCBA - Self Contained Breathing Apparatus
SERC - State Emergency Response Commission
SOP - Standard Operating Procedure
SSC - Scientific Support Coordinator (NOAA)
STEL - Short Term Exposure Limits
UCS - Unified Command System
USCG - U.S. Coast Guard
WCD - Worst Case Discharge

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APPENDIX D

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APPENDIX D

DISPOSAL PLAN

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OVERVIEW

A major oil spill response would generate significant quantities of waste materials ranging from oily debris and sorbent materials to sanitation water and used batteries. All these wastes need to be classified and separated (i.e., oily, liquid, etc.), transported from the site, and treated and/or disposed of at approved disposal sites. Each of these activities demands that certain health and safety precautions be taken, which are strictly controlled by federal and state laws and regulations. This section provides an overview of the applicable state regulations governing waste disposal, and a discussion of various waste classification, handling, transfer, storage, and disposal techniques. It is the responsibility of the Company's Environmental Department to manage waste disposal needs during an oil spill cleanup.

WASTE CLASSIFICATION

Oily - Liquid Wastes

Oily liquid wastes (i.e., oily water and emulsions) that would be handled, stored, and disposed of during response operations are very similar to those handled during routine storage and transfer operations. The largest volume of oily liquid wastes would be produced by recovery operations (e.g., through the use of vacuum devices or skimmers). In addition, oily water and emulsions would be generated by vehicle operations (e.g., spent motor oils, lubricants, etc.), and equipment cleaning operations.

Non-Oily - Liquid Wastes

Response operations would also produce considerable quantities of non-oily liquid wastes. Water and other non-oily liquid wastes would be generated by the storage area and stormwater collection systems, vessel and equipment cleaning (i.e., water contaminated with cleaning agents), and office and field operations (i.e., sewage, construction activities).

Oily - Solid/Semi-Solid Wastes

Oily solid/semi-solid wastes that would be generated by containment and recovery operations include damaged or worn-out booms, disposable/soiled equipment, used sorbent materials, saturated soils, contaminated beach sediments, driftwood, and other debris.

Non-Oily - Solid/Semi-Solid Wastes

Non-oily solid/semi-solid wastes would be generated by emergency construction operations (e.g., scrap, wood, pipe, and wiring) and office and field operations (i.e., refuse). Vessel, vehicle, and aircraft operations also produce solid wastes.

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WASTE HANDLING

A primary concern in the handling of recovered oil and oily debris is contaminating unaffected areas or recontaminating already cleaned areas. Oily wastes generated during the response operations would need to be separated by type and transferred to temporary storage areas and/or transported to incineration or disposal sites. Proper handling of oil and oily wastes is imperative to ensure personnel health and safety.

Safety Considerations

Care would be taken to avoid or minimize direct contact with oily wastes. All personnel handling or coming into contact with oily wastes would wear protective clothing. A barrier cream can be applied prior to putting on gloves to further reduce the possibility of oily waste absorption. Safety goggles would be worn by personnel involved in waste handling activities where splashing might occur. Any portion of the skin exposed to oily waste would be washed with soap and water as soon as possible. Decontamination zones would be set up during response operations to ensure personnel are treated for oil exposure.

Waste Transfer

During response operations, it may be necessary to transfer recovered oil and oily debris from one point to another several times before the oil and oily debris are ultimately recycled, incinerated or disposed of at an appropriate disposal site. Depending on the location of response operations, any or all of the following transfer operations may occur:

- From portable or vessel-mounted skimmers into flexible bladder tanks, storage tanks of the skimming vessel itself, or a barge.
- Directly into the storage tank of a vacuum device.
- From a skimming vessel or flexible bladder to a barge.
- From a vacuum device storage tank to a barge.
- From a barge to a tank truck.
- From a tank truck to a processing system (e.g., oil/water separator).
- From a processing system to a recovery system and/or incinerator.
- Directly into impermeable bags that, in turn, are placed in impermeable containers.
- From containers to trucks.

There are four general classes of transfer systems that may be employed to affect oily waste transfer operations:

- **Pumps:** Rotary pumps, such as centrifugal pumps, may be used when transferring large volumes of oil, but they may not be appropriate for pumping mixtures of oil and water. The extreme shearing action of centrifugal pumps tends to emulsify oil and water, thereby increasing the viscosity of the mixture and causing low, inefficient transfer rates. The resultant emulsion would also be more difficult to separate into oil and water fractions. Lobe or "positive displacement" pumps work well on heavy, viscous oils, and do not emulsify the oil/water mixture. Double-acting piston and double acting diaphragm pumps are reciprocating pumps that may also be used to pump oily wastes.

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WASTE HANDLING (Cont'd)

Waste Transfer (Cont'd)

- **Vacuum Systems**: A vacuum truck may be used to transfer viscous oils but they usually pick up a very high water/oil ratio.

- **Belt/Screw Conveyors:** Conveyors may be used to transfer oily wastes containing a large amount of debris. These systems can transfer weathered debris laden oil either horizontally or vertically for short distances (i.e., 10 feet) but are bulky and difficult to set up and operate.

- **Wheeled Vehicles:** Wheeled vehicles may be used to transfer liquid wastes or oily debris to storage or disposal sites. These vehicles have a limited transfer volume (i.e., 100 barrels) and require good site access.

Table D-1 provides a comparative evaluation of 15 types of transfer systems that could be available for transfer operations.

WASTE STORAGE

Interim storage of recovered oil, oily and non-oily waste would be considered to be an available means of holding the wastes until a final management method is selected. In addition, the segregation of wastes according to type would facilitate the appropriate method of disposal. The storage method used would depend upon:

- The type and volume of material to be stored.
- The duration of storage.
- Access.

During an oil spill incident, the volume of oil that can be recovered and dealt with effectively depends upon the available storage capacity. Typical short-term storage options are summarized in Table D-2. The majority of these options can be used either onshore or offshore. If storage containers such as bags or drums are used, the container must be clearly marked and/or color-coded to indicate the type of material/waste contained and/or the ultimate disposal option. Bladder or pillow tanks would be acceptable, if the available space can support the weight of both the container and the product.

Fuel barges may be the best option for temporary storage of oil recovered in open waters. Depending on size, these vessels may be able to hold up to 6,000 barrels of oil and water. The barge deck can be used as a platform for operating oil spill clean-up equipment and storing containment boom.

Empty barges have four to six feet draft which would increase when these barges are filled with oil or loaded with cargo. Consequently, they may not be able to enter shallow, nearshore waters.

It may be difficult to offload recovered oil stored inside barges. Due to natural forces which affect spilled oil, recovered oil may be very viscous or emulsified, rather than free-flowing. It may be necessary to use steam to heat viscous oil before pumping it from the barge.

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WASTE STORAGE (Cont'd)

Steel or rubber tanks can be used to store oil recovered near the shoreline. To facilitate offloading, demulsifiers may be used to break emulsions prior to placing the recovered substance into the barges or storage tanks.

Use of any site for storage is dependent on the approval of the local authorities. The following elements affect the choice of a potential storage site:

- Geology
- Ground water
- Soil
- Flooding
- Surface water
- Slope
- Covered material
- Capacity
- Climatic factors
- Land use
- Toxic air emissions
- Security
- Access
- Public contact

Temporary storage sites should use the best achievable technology to protect the environment and human health. They should be set up to prevent leakage, contact, and subsequent absorption of oil by the soil. The sites should be bermed (1 to 1.5 meters high) and double lined with plastic or visqueen sheets 6-10 millimeters or greater in thickness, without joints, prior to receiving loose and bagged debris. The edges of the sheet should be weighted with stones or earth to prevent damage by wind, and the sheet should be placed on a sand layer or an underfelt thick enough to prevent piercing. A reinforced access area for vehicles at the edge of the site should be provided. In addition, the oily debris should be covered by secured visqueen or tarps and an adequate stormwater runoff collection system for the size and location of the site would be utilized. Additionally, the sites should be at least 3 meters above mean sea level.

Oily debris can be hauled to an approved temporary storage sites in visqueen lined trucks or other vehicles. Burnable, non-burnable, treatable and re-usable materials can be placed in well defined separate areas at temporary storage sites.

When the last of the oily debris leaves a temporary storage site, the ground protection would be removed and disposed of with the rest of the oily debris. Any surrounding soil which has become contaminated with oil would also be removed for disposal or treatment. If the soils were removed for treatment, they may be replaced if testing proves acceptable levels have been achieved. Treatment and remediation is encouraged when feasible. The temporary storage should be returned to its original condition.

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WASTE DISPOSAL

Techniques for Disposal of Recovered Oil

Recovery, reuse, and recycling are the best choices for remediation of a spill, thereby reducing the amount of oily debris to be bermed onsite or disposed of at a solid waste landfill. Treatment is the next best alternative, but incineration and burning for energy recovery have more options within the state. There are some limitations and considerations in incinerating for disposal. Environmental quality of incineration varies with the type and age of the facility. Therefore, when incineration becomes an option during an event, local air quality authorities would be contacted for advice about efficiency and emissions of facilities within their authority. Approval of the local air authorities is a requirement for any incineration option. Landfilling is the last option. Final disposal at a solid or dangerous waste landfill is the least environmentally sound method of dealing with a waste problem such as oily debris.

During an oil spill incident, the Company would consult with the federal and state On Scene Coordinator (OSC) to identify the acceptable disposal methods and sites appropriately authorized to receive such wastes. The Company maintains a list of approved disposal sites that satisfy local, state, and federal regulations and company requirements. This identification of suitable waste treatment and disposal sites would be prepared by the Environmental Department of the Company Response Team in the form of an Incident Disposal Plan which must be authorized by the U.S. Coast Guard and/or the EPA. An Incident Disposal Plan would include predesignated interim storage sites, segregation strategies, methods of treatment and disposal for various types of debris, and the locations/contacts of all treatment and disposal site selections. Onsite treatment/disposal will be preferred.

In order to obtain the best overall Incident Disposal Plan, a combination of methods should be used. There is no template or combination of methods that can be used in every spill situation. Each incident should be reviewed carefully to ensure that an appropriate combination of disposal methods are employed.

The different types of wastes generated during response operations would require different disposal methods. To facilitate the disposal of wastes, they should be separated by type for temporary storage, transport and disposal. Table D-3 lists some of the options that would be available to segregate oily wastes. The table also depicts methods that may be employed to separate free and/or emulsified water from the oily liquid waste.

The following is a brief discussion of some disposal techniques available for recovered oil and oily debris.

Recycling

This technique entails removing water from the oil and blending the oil with uncontaminated oil. Recovered oil can be shipped to refineries provided that it is exempt from hazardous waste regulations. There it can be treated to remove water and debris, and then blended and sold as a commercial product.

The Company's **Environmental Department** is responsible for ensuring that all waste materials be disposed of at a Company internally approved disposal site.

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WASTE DISPOSAL (Cont'd)

Incineration

This technique entails the complete destruction of the recovered oil by high temperature thermal oxidation reactions. There are licensed incineration facilities as well as portable incinerators that may be brought to a spill site. Incineration may require the approval of the local Air Pollution Control Authority. Factors to consider when selecting an appropriate site for onsite incineration would include:

- Proximity to recovery locations.
- Access to recovery locations.
- Adequate fire control.
- Approval of the local air pollution control authorities.

In Situ Burning/Open Burning

Burning techniques entail igniting oil or oiled debris and allowing it to burn under ambient conditions. These disposal techniques are subject to restrictions and permit requirements established by federal, state and local laws. They would not be used to burn PCBs, waste oil containing more than 1,000 parts per million of halogenated solvents, or other substances regulated by the EPA. Permission for *in situ* burning may be difficult to obtain when the burn takes place near populated areas.

As a general rule, *in situ* burning would be appropriate only when atmospheric conditions will allow the smoke to rise several hundred feet and rapidly dissipate. Smoke from burning oil will normally rise until its temperature drops to equal the ambient temperature. Afterwards, it will travel in a horizontal direction under the influence of prevailing winds.

Landfill Disposal

This technique entails burying the recovered oil in an approved landfill in accordance with regulatory procedures. Landfill disposal of free liquids is prohibited by federal law in the United States.

With local health department approval, non-burnable debris which consists of oiled plastics, gravel and oiled seaweed, kelp, and other organic material may be transported to a licensed, lined, approved municipal or private landfill and disposed of in accordance with the landfill guidelines and regulations. Landfill designation would be planned only for those wastes that have been found to be unacceptable by each of the other disposal options (e.g., waste reduction, recycling, energy recovery). Wastes would be disposed of only at Company-approved disposal facilities. The Company's **Environmental Department** is responsible for ensuring that all waste materials are disposed of at a Company internally approved disposal site. Disposal at a non-approved facility would require approval by the Company **Environmental Department** prior to sending any waste to such a facility.

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TABLE D-1

COMPARATIVE EVALUATION OF OIL SPILL TRANSFER SYSTEMS

TRANSFER SYSTEMS	CENTRIFUGAL PUMP	LOBE PUMP	GEAR PUMP	INTERMESCHING SCREW	VALVE PUMP	FLEXIBLE IMPELLER	SCREW/AUGER PUMP	PROGRESSING CAVITY	PISTON PUMP	DIAPHRAGM PUMP	AIR CONVEYOR	VACUUM TRUCK	PORTABLE VACUUM PUMP	CONVEYOR BELT	SCREW CONVEYOR	WHEELED VEHICLES
High Viscosity Fluids	1	5	5	5	3	2	5	5	5	3	5	4	4	5	4	5
Low Viscosity Fluids	5	2	2	2	3	4	1	3	3	4	5	5	5	1	1	5
Transfer Rate	5	2	1	1	3	4	1	2	2	3	4	5	3	2	2	2
Debris Tolerance																
• Silt/Sand	5	3	1	1	1	4	5	5	3	4	5	5	5	5	5	5
• Gravel/Particulate	5	2	1	1	1	2	5	3	2	3	5	5	4	5	4	5
• Seaweed/Stringy Matter	2	3	4	3	2	2	4	4	3	3	4	4	3	5	4	5
Tendency to Emulsify Fluids	1	4	3	3	3	3	5	5	2	5	5	5	5	5	5	5
Ability to Run Dry	5	3	2	1	2	3	4	3	3	2	5	5	5	4	3	
Ability to Operate Continuously	5	3	2	2	2	3	3	3	4	4	3	3	3	3	2	4
Self Priming	1	3	2	2	2	5	1	5	4	4	5	5	5	5	5	
Suction/Head	2	3	2	2	3	4	1	5	5	2	5	4	3			
Back Pressure/Head	1	5	5	5	4	3	4	5	2	4	1	1	1	3	3	
Portability	5	3	3	2	4	4	3	2					2	1	1	
Ease of Repair	5	3	2	2	3	4	3	2	3	5	1	1	2	3	2	3
Cost	5	B	2	2	3	3	1	2	3	5	1	1	2	2	2	3
Comments	E,J	B	B	B,J		F	A	B	B,D	A,C, D	F,G,I	F,G,I	F,G			G,H,I

KEY TO RATINGS: 5 = Best; 1 = Worst

KEY TO COMMENTS:

A. Normally require remote power sources, thus are safe around flammable fluids.
B. Should have a relief valve in the outlet line to prevent bursting hoses.
C. Air powered units tend to freeze up in sub-freezing temperatures.
D. Units with work ball valves are difficult to prime.
E. Some remotely powered types are designed to fit in a tanker's butterworth hatch.
F. Can also pump air at low pressure.
G. Transfer is batch-wise rather than continuous.
H. Waste must be in separate container for efficient transfer.
I. Transportable with its own prime mover.
J. High sheer action tends to emulsify oil and water mixtures.

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TABLE D-2

TEMPORARY STORAGE METHODS

CONTAINER	ONSHORE	OFFSHORE	SOLIDS	LIQUIDS	NOTES
Barrels	x	x	x	x	May require handling devices. Covered and clearly marked.
Tank Trucks	x	x		x	Consider road access. Barge-mounted offshore.
Dump/Flat Bed Trucks	x		x		May require impermeable liner and cover. Consider flammability of vapors at mufflers.
Barges		x	x	x	Liquids only in tanks. Consider venting of tanks.
Oil Storage Tanks	x	x		x	Consider problems of large volumes of water in oil.
Bladders	x	x		x	May require special hoses or pumps for oil transfer.

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TABLE D-3

OILY WASTE SEPARATION AND DISPOSAL METHODS

TYPE OF MATERIAL	SEPARATION METHODS	DISPOSAL METHODS
LIQUIDS		
Non-emulsified oils	Gravity separation of free water	Incineration Use of recovered oil as refinery/production facility feedstock
Emulsified oils	Emulsion broken to release water by: • heat treatment • emulsion breaking • chemicals • mixing with sand • centrifuge • filter/belt press	Use of recovered oil as refinery/production facility feedstock
SOLIDS		
Oil mixed with sand	Collection of liquid oil leaching from sand during temporary storage Extraction of oil from sand by washing with water or solvent Removal of solid oils by sieving	Incineration Use of recovered oil as refinery/production facility feedstock Direct disposal Stabilization with inorganic material Degradation through land farming or composting
TYPE OF MATERIAL	**SEPARATION METHODS**	**DISPOSAL METHODS**
Oil mixed with cobbles or pebbles	Screening Collection of liquid oil leaching from materials during temporary storage Extraction of oil from materials by washing with water or solvent	Incineration Direct Disposal Use of recovered oil as refinery/production facility feedstock
Oil mixed with wood, seaweed and sorbents	Screening Collection of liquid oil leaching from debris during temporary storage Flushing of oil from debris with water	Incineration Direct disposal Degradation through land farming or composting for oil mixed with seaweed or natural sorbents
Tar balls	Separation from sand by sieving	Incineration Direct disposal

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APPENDIX E

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APPENDIX E

AGENCY CORRESPONDENCE

NOTE: The most recent copies of all agency correspondence (including those pertaining to the PERSON-IN-CHARGE) **SHALL BE MAINTAINED IN THIS APPENDIX**. The correspondence that has been outdated by a replacement document should be removed from this Plan and retained on file at the Facility.

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PIC QUALIFICATION RECORD
FOR FACILITIES OWNED AND/OR OPERATED BY: CES ENVIRONMENTAL SERVICES INC.

Jose Carrillo
Damon Cooper
William Denton
Jose Espinal
Juan Frias
Alfredo Garza
Joe Gonzales
Albert Hall
Robert Henry
Robert Hickman
Christopher Jiles Sr.
Gregory Lawrence
Benjamin Mata
Sebastian McCrimmons
Juan Mendoza
Rolando Morales
Berry Noah
Glen Olson
Darrin Raymond
Luis Resendez
Floyd Rivers
Bobby Rodriguez
Candido Rosales
Omar Sanchez
Preston Sanders
Christopher Saylor
Peter Semien Jr.
Charles Sittig
Andres Soto
Steven Stricker
Matthew Taylor
Derek Tucker
David Vandenberg
Perry West
William Wood
Irvin Woodard

THE ABOVE NAMED INDIVIDUALS ARE QUALIFIED TO SERVE AS A PIC FOR FACILITIES OWNED AND/OR OPERATED BY CES ENVIRONMENTAL SERVICES INC. AND HAVE MET THE FOLLOWING TRAINING REQUIREMENTS AS NOTED IN 33 CFR 154.710:

Has at least 48 hours experience in oil transfer operations at this or a like Marine Transfer related facility.

Has demonstrated familiarity and proficiency in use of the Operations Manual at this facility and the applicable marine transfer regulations.

Has demonstrated familiarity and proficiency with vessel transfer and control systems at this facility for the applicable product.

Has demonstrated familiarity and proficiency with the duties of a PIC during an emergency and is capable of carrying out the immediate action items of the company's Spill Response Plans.

Has demonstrated familiarity and proficiency with the oil spill reporting requirements and response strategies at this facility.

Has met the hazard communications and emergency response training requirements appropriate for transfer operations at this facility.
(OSHA 29 CFR 1910.1200, EPA 40 CFR 311.1, or 33 CFR 154, Subpart F)

_____ _____
Authorized Signature Date

_____
Printed name / Position

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APPENDIX F

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APPENDIX F

SPILL MANAGEMENT TEAM (SMT)

Page

Spill Management Team Organization Chart F-2

ICS Roles and Responsibilities F-3

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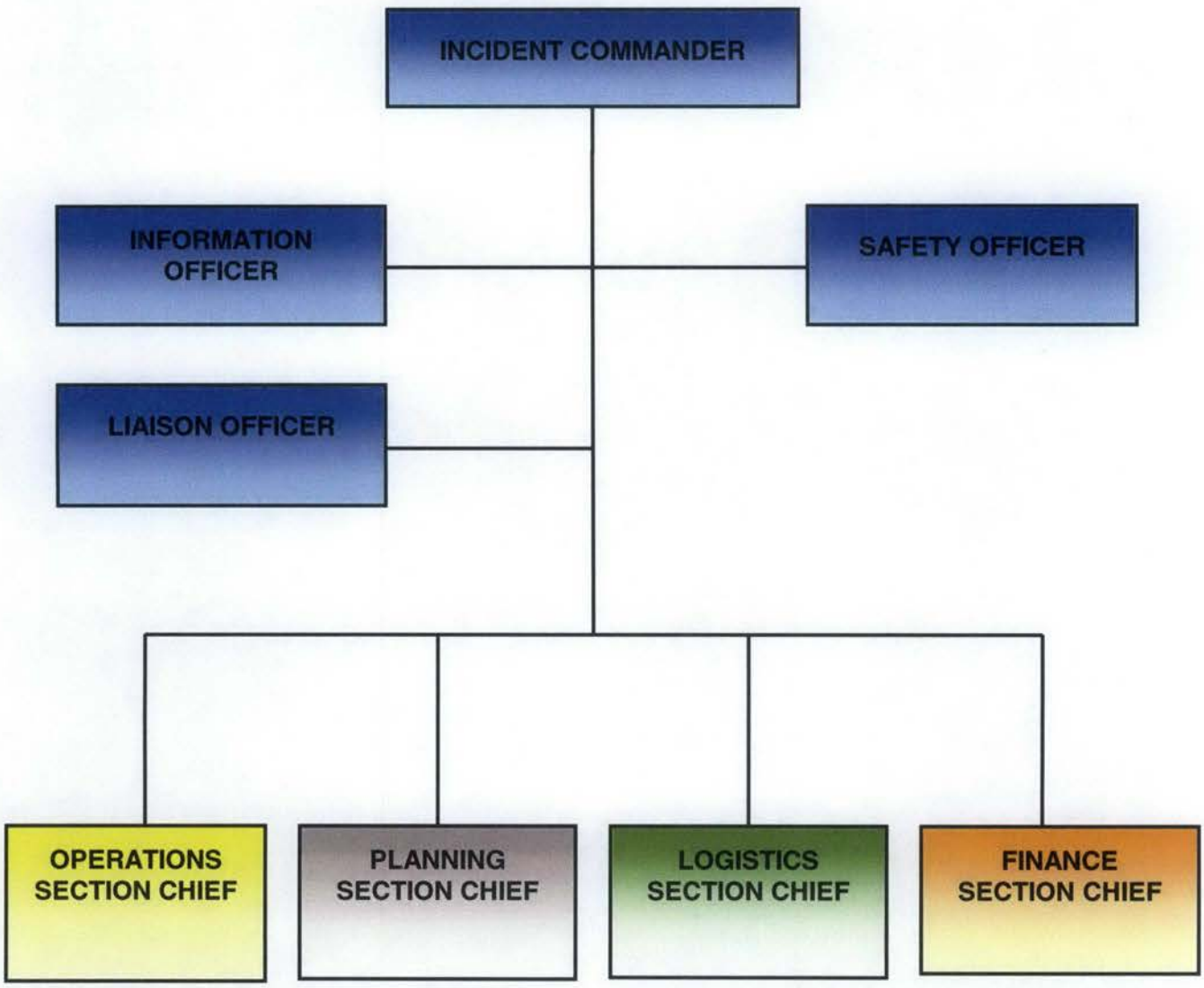
SPILL MANAGEMENT TEAM

ORGANIZATION CHART



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ICS ROLES AND RESPONSIBILITIES

COMMON RESPONSIBILITIES

The following is a checklist applicable to all personnel in an ICS organization:

- Receive assignment, including:
  - Job assignment
  - Resource order number and request number
  - Reporting location
  - Reporting time
  - Travel instructions
  - Special communications instructions
- Upon arrival, check-in at designated check-in location.
- Receive briefing from immediate supervisor.
- Acquire work materials.
- Supervisors maintain accountability for assigned personnel.
- Organize and brief subordinates.
- Know your assigned radio frequency(s) and ensure communications equipment is operating properly.
- Use clear text and ICS terminology (no codes) in all communications.
- Complete forms and reports required of the assigned position and send to Documentation Unit.
- Maintain unit records, including Unit/Activity Log (Figure 5.10).
- Respond to demobilization orders and brief subordinates regarding demobilization.

UNIT LEADER RESPONSIBILITIES

In ICS, a Unit Leader's responsibilities are common to all units in all parts of the organization. Common responsibilities of Unit Leaders are listed below.

- Review common responsibilities.
- Receive briefing from Incident Commander, Section Chief or Branch Director, as appropriate.
- Participate in incident planning meetings, as required.
- Determine current status of unit activities.
- Order additional unit staff, as appropriate.
- Determine resource needs.
- Confirm dispatch and estimated time of arrival of staff and supplies.
- Assign specific duties to staff; supervise staff.
- Develop and implement accountability, safety and security measures for personnel and resources.
- Supervise demobilization of unit, including storage of supplies.
- Provide Supply Unit Leader with a list of supplies to be replenished.
- Maintain unit records, including Unit/Activity Log (Figure 5.10).

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COMMAND

Page

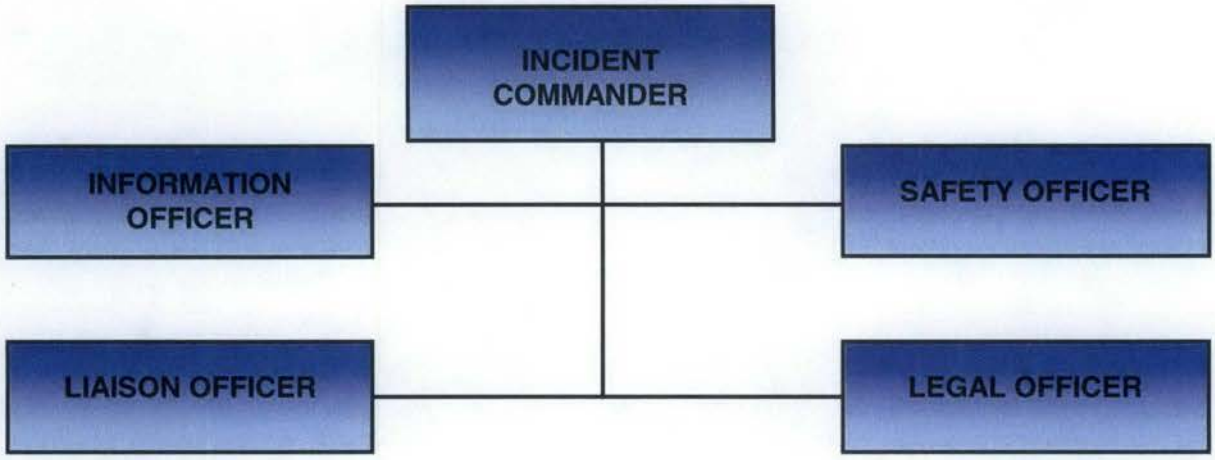
Incident Commander F-5

Information Officer F-5

Liaison Officer F-6

Safety Officer F-6

Legal Officer F-6



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INCIDENT COMMANDER

- Assess the situation and/or obtain a briefing from the prior IC.
- Determine Incident Objectives and strategy.
  - Keep the public informed of response activities.
  - Manage a coordinated response effort.
  - Maximize protection of environmentally sensitive areas.
  - Contain and recover spilled material.
  - Recover and rehabilitate injured wildlife.
  - Remove oil from impacted areas.
  - Minimize economic impacts.
  - Keep stakeholders informed of response activities.
- Establish the immediate priorities.
  - Ensure the safety of citizens and response personnel.
  - Control the source of the spill.
- Establish an Incident Command Post (ICP).
- Brief Command Staff and Section Chiefs.
- Review meetings and briefings.
- Establish an appropriate organization.
- Ensure planning meetings are scheduled as required.
- Approve and authorize the implementation of an Incident Action Plan (IAP).
- Ensure that adequate safety measures are in place.
- Coordinate activity for all Command and General Staff.
- Coordinate with key people and officials.
- Approve requests for additional resources or for the release of resources.
- Keep Company administrator(s) informed of incident status.
- Approve the use of trainees, volunteers, and auxiliary personnel.
- Authorize release of information to the news media.
- Ensure Incident Status Summary (Figure 5.9) is completed and forwarded to appropriate higher authority.
- Order the demobilization of the incident when appropriate.

INFORMATION OFFICER

- Determine from the IC if there are any limits on information release.
- Develop material for use in media briefings.
- Obtain IC approval of media releases.
- Inform media and conduct media briefings.
- Arrange for tours and other interviews or briefings that may be required.
- Obtain media information that may be useful to incident planning.
- Maintain current information summaries and/or displays on the incident and provide information on the status of the incident to assigned personnel.

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LIAISON OFFICER

- Be a contact point for agency representatives.
- Maintain a list of assisting and cooperating agencies and agency representatives. Monitor check-in sheets daily to ensure that all agency representatives are identified.
- Assist in establishing and coordinating interagency contacts.
- Keep agencies supporting the incident aware of incident status.
- Monitor incident operations to identify current or potential inter-organizational problems.
- Participate in planning meetings, providing current resource status, including limitations and capability of assisting agency resources.
- Coordinate response resource needs for Natural Resource Damage Assessment and NRDAR activities with the Operations Section during oil and HAZMAT responses.
- Coordinate response resource needs for incident investigation activities with the Operations Section.
- Ensure that all required agency forms, reports and documents are completed prior to demobilization.
- Have debriefing session with IC prior to departure.
- Coordinate activities of visiting dignitaries.

SAFETY OFFICER

- Participate in planning meetings.
- Identify hazardous situations associated with the incident.
- Review the IAP for safety implications.
- Exercise emergency authority to stop and prevent unsafe acts.
- Investigate accidents that have occurred within the incident area.
- Assign assistants, as needed.
- Review and approve the medical plan.
- Develop the Site Safety Plan and publish Site Safety Plan summary (Figure 5.14) as required.

LEGAL OFFICER

- Participate in planning meetings, if requested.
- Advise on legal issues relating to in-situ burning, use of dispersants, and other alternative response technologies.
- Advise on legal issues relating to differences between NRDAR and response activities.
- Advise on legal issues relating to investigations.
- Advise on legal issues relating to finance and claims.
- Advise on legal issues relating to response.

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OPERATIONS

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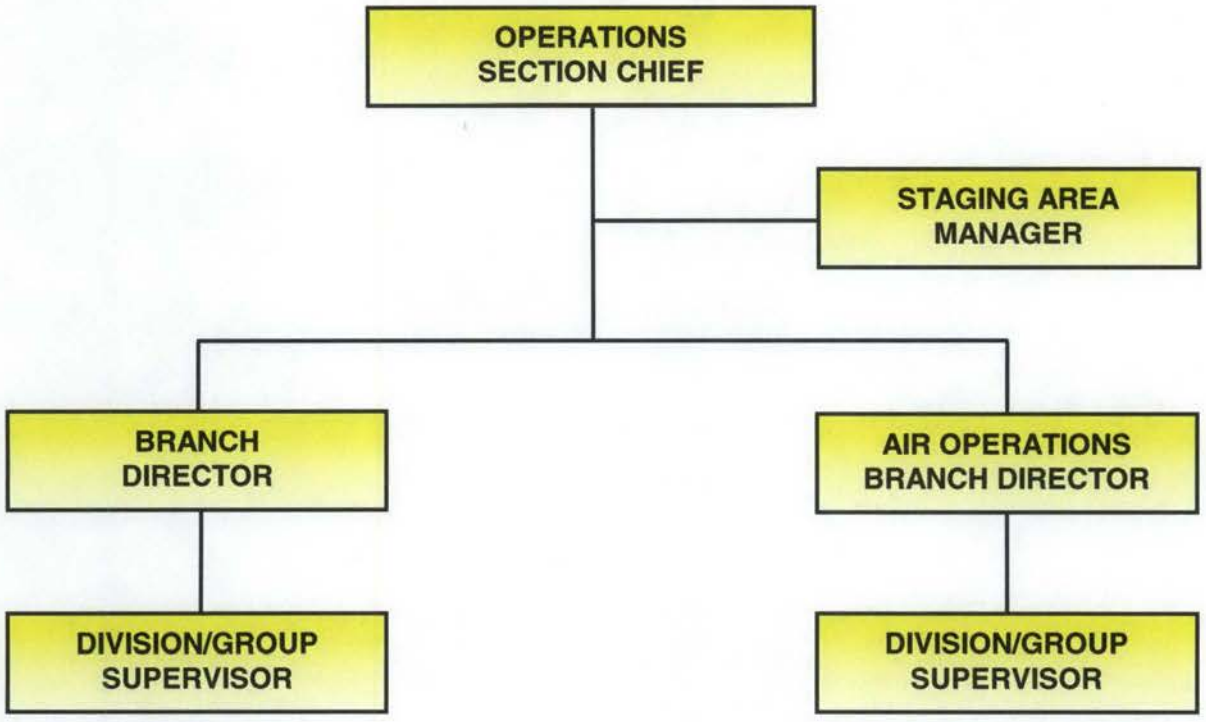
Operations Section Chief F-8

Branch Director F-8

Division/Group Supervisor F-8

Staging Area Manager F-9

Air Operations Branch Director F-9



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OPERATIONS SECTION CHIEF

- Develop operations portion of IAP.
- Brief and assign Operations Section personnel in accordance with the IAP.
- Supervise Operations Section.
- Determine need for and request additional resources.
- Review suggested list of resources to be released and initiate recommendation for release of resources.
- Assemble and disassemble Strike Teams assigned to the Operations Section.
- Report information about special activities, events, and occurrences to the IC.
- Respond to resource requests in support of NRDAR activities.

BRANCH DIRECTOR

- Develop, with subordinates, alternatives for Branch control operations.
- Attend planning meetings at the request of the Operations Section.
- Review Division/Group Assignment Lists (Figure 5.5) for Divisions/Groups within the Branch. Modify lists based on effectiveness of current operations.
- Assign specific work tasks to Division/Group Supervisors.
- Supervise Branch operations.
- Resolve logistic problems reported by subordinates.
- Report to Operations Section when: the IAP is to be modified; additional resources are needed; surplus resources are available; or hazardous situations or significant events occur.
- Approve accident and medical reports originating within the Branch.

DIVISION/GROUP SUPERVISOR

- Implement IAP for Division/Group.
- Provide the IAP to Strike Team Leaders, when available.
- Identify increments assigned to the Division/Group.
- Review Division/Group assignments and incident activities with subordinates and assign tasks.
- Ensure that the IC and/or Resources Unit is advised of all changes in the status of resources assigned to the Division/Group.
- Coordinate activities with adjacent Division/Group.
- Determine need for assistance on assigned tasks.
- Submit situation and resources status information to the Branch Director or the Operations Section.
- Report hazardous situations, special occurrences, or significant events (e.g., accidents, sickness, discovery of unanticipated sensitive resources) to the immediate supervisor.
- Ensure that assigned personnel and equipment get to and from assignments in a timely and orderly manner.
- Resolve logistics problems within the Division/Group.
- Participate in the development of Branch plans for the next operational period.

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STAGING AREA MANAGER

- Establish Staging Area layout.
- Determine any support needs for equipment, feeding, sanitation and security.
- Establish check-in function as appropriate.
- Post areas for identification and traffic control.
- Request maintenance service for equipment at Staging Area as appropriate.
- Respond to request for resource assignments
- Obtain and issue receipts for radio equipment and other supplies distributed and received at Staging Area.
- Determine required resource levels from the Operations Section.
- Advise the Operations Section when reserve levels reach minimums.
- Maintain and provide status to Resource Unit of all resources in Staging Area.
- Maintain Staging Area in orderly condition.
- Demobilize Staging Area in accordance with the Incident Demobilization Plan.

AIR OPERATIONS BRANCH DIRECTOR

- Organize preliminary air operations.
- Request declaration (or cancellation) of restricted air space
- Participate in preparation of the IAP through the Operations Section. Insure that the air operations portion of the IAP takes into consideration the Air Traffic Control requirements of assigned aircraft.
- Perform operational planning for air operations.
- Prepare and provide Air Operations Summary Worksheet (Figure 5.12) to the Air Support Group and Fixed-Wing Bases.
- Determine coordination procedures for use by air organization with ground Branches, Divisions, or Groups.
- Coordinate with appropriate Operations Section personnel.
- Supervise all air operations activities associated with the incident.
- Evaluate helibase locations.
- Establish procedures for emergency reassignment of aircraft.
- Schedule approved flights of non-incident aircraft in the restricted air space area.
- Coordinate with the Operations Coordination Center (OCC) through normal channels on incident air operations activities.
- Inform the Air Tactical Group Supervisor of the air traffic situation external to the incident.
- Consider requests for non-tactical use of incident aircraft.
- Resolve conflicts concerning non-incident aircraft.
- Coordinate with Federal Aviation Administration (FAA).
- Update air operations plans.
- Report to the Operations Section on air operations activities.
- Report special incidents/accidents.
- Arrange for an accident investigation team when warranted.

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PLANNING

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Planning Section Chief F-11

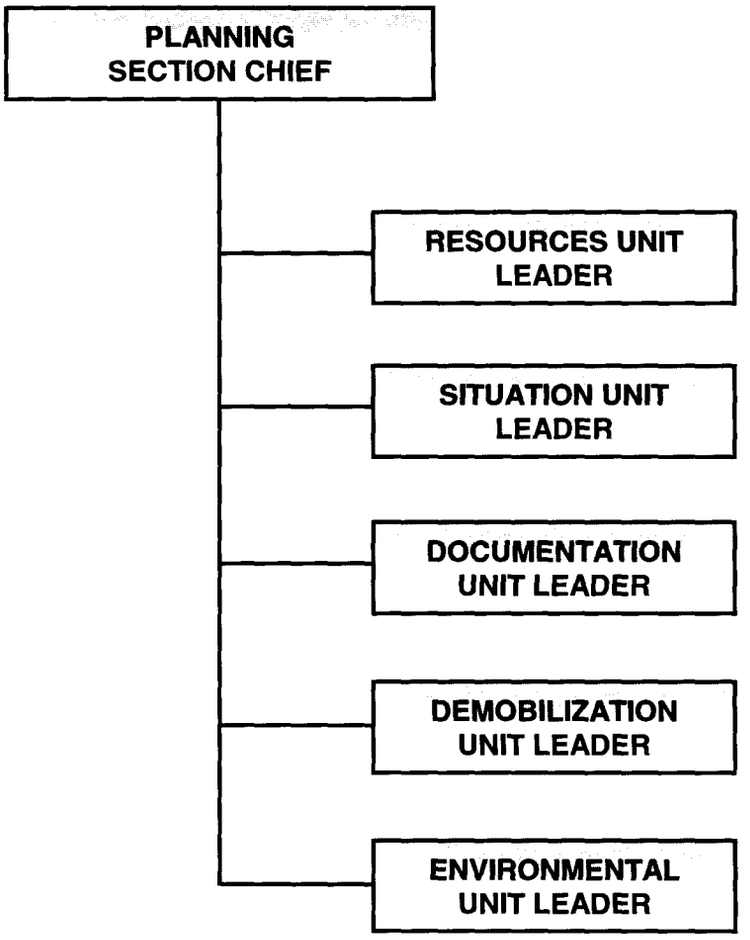
Resources Unit Leader F-11

Situation Unit Leader F-11

Documentation Unit Leader F-12

Demobilization Unit Leader F-12

Environmental Unit Leader F-13



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PLANNING SECTION CHIEF

- Collect and process situation information about the incident.
- Supervise preparation of the IAP.
- Provide input to the IC and the Operations Section in preparing the IAP.
- Chair planning meetings and participate in other meetings as required.
- Reassign out-of-service personnel already on-site to ICS organizational positions as appropriate.
- Establish information requirements and reporting schedules for Planning Section Units (e.g., Resources, Situation Units).
- Determine the need for any specialized resources in support of the incident.
- If requested, assemble and disassemble Strike Teams and Task Forces not assigned to Operations.
- Establish special information collection activities as necessary (e.g., weather, environmental, toxics, etc.).
- Assemble information on alternative strategies.
- Provide periodic predictions on incident potential.
- Report any significant changes in incident status.
- Compile and display incident status information.
- Oversee preparation and implementation of the Incident Demobilization Plan.
- Incorporate plans (e.g., Traffic, Medical, Communications, Site Safety) into the IAP.

RESOURCES UNIT LEADER

- Establish the check-in function at incident locations.
- Prepare Organization Assignment List (Figure 5.4) and Organization Chart (Figure 5.8).
- Prepare appropriate parts of Division Assignment Lists (Figure 5.5).
- Prepare and maintain the ICP display (to include organization chart and resource allocation and deployment).
- Maintain and post the current status and location of all resources.
- Maintain master roster of all resources checked in at the incident.

SITUATION UNIT LEADER

- Begin collection and analysis of incident data as soon as possible.
- Prepare, post, or disseminate resource and situation status information as required, including special requests.
- Prepare periodic predictions or as requested by the Planning Section Chief.
- Prepare the Incident Status Summary Form (Figure 5.9).
- Provide photographic services and maps if required.

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DOCUMENTATION UNIT LEADER

- Set up work area; begin organization of incident files.
- Establish duplication service; respond to requests.
- File all official forms and reports.
- Review records for accuracy and completeness; inform appropriate units of errors or omissions.
- Provide incident documentation as requested.
- Store files for post-incident use.

DEMOBILIZATION UNIT LEADER

- Participate in planning meetings as required.
- Review incident resource records to determine the likely size and extent of demobilization effort.
- Based on the above analysis, add additional personnel, workspace, and supplies as needed.
- Coordinate demobilization with agency representatives.
- Monitor the on-going Operations Section resource needs.
- Identify surplus resources and probable release time.
- Develop incident check-out function for all units.
- Evaluate logistics and transportation capabilities to support demobilization.
- Establish communications with off-incident facilities, as necessary.
- Develop an Incident Demobilization Plan detailing specific responsibilities and release priorities and procedures.
- Prepare appropriate directories (e.g., maps, instructions, etc.) for inclusion in the demobilization plan.
- Distribute demobilization plan (on and off-site).
- Provide status reports to appropriate requestors.
- Ensure that all Sections/Units understand their specific demobilization responsibilities.
- Supervise execution of the Incident Demobilization Plan.
- Brief the Planning Section Chief on demobilization progress.

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ENVIRONMENTAL UNIT LEADER

- Participate in Planning Section meetings.
- Identify sensitive areas and recommend response priorities.
- Following consultation with natural resource trustees, provide input on wildlife protection strategies (e.g., removing oiled carcasses, pre-emptive capture, hazing, and/or capture and treatment).
- Determine the extent, fate and effects of contamination.
- Acquire, distribute and provide analysis of weather forecasts.
- Monitor the environmental consequences of cleanup actions.
- Develop shoreline cleanup and assessment plans. Identify the need for, and prepare any special advisories or orders.
- Identify the need for, and obtain, permits, consultations, and other authorizations including Endangered Species Act (ESA) provisions.
- Following consultation with the FOSC's Historical/Cultural Resources Technical Specialist identify and develop plans for the protection of affected historical/cultural resources.
- Evaluate the opportunities to use various response technologies.
- Develop disposal plans.
- Develop a plan for collecting, transporting, and analyzing samples.

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LOGISTICS

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Logistics Section Chief F-15

Service Branch Director F-15

Communications Unit Leader F-16

Medical Unit Leader F-16

Food Unit Leader F-16

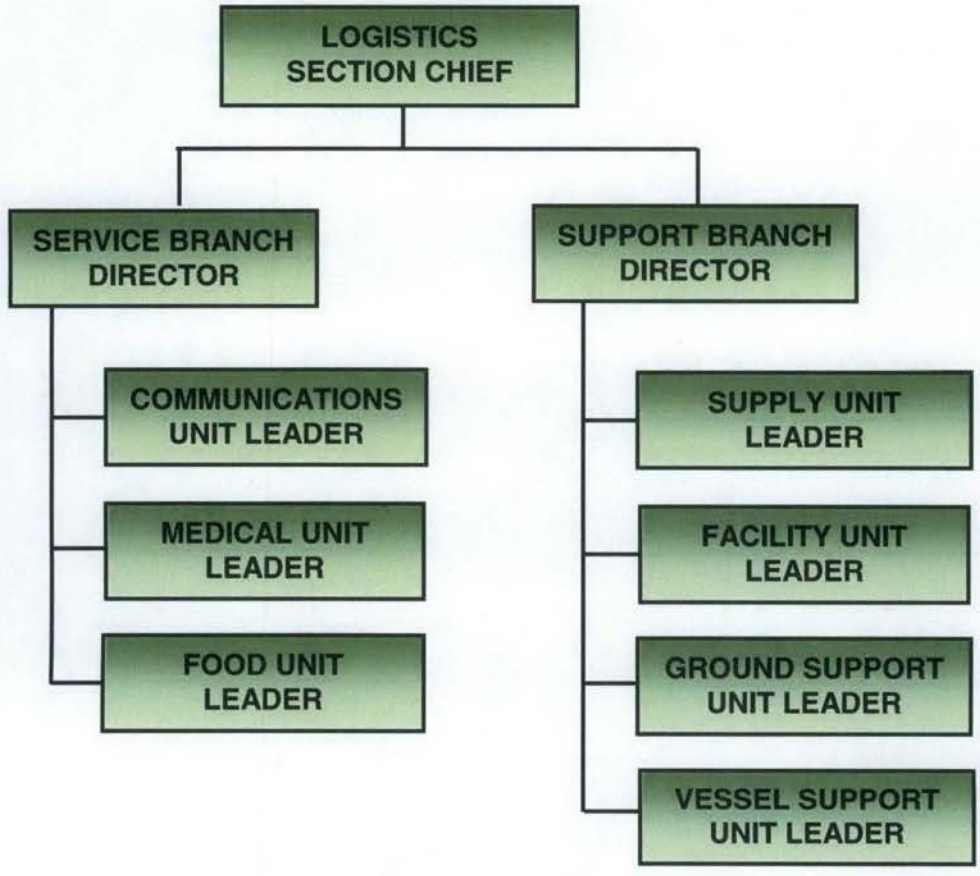
Support Branch Director F-17

Supply Unit Leader F-17

Facility Unit Leader F-17

Ground Support Unit Leader F-18

Vessel Support Unit Leader F-18



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LOGISTICS SECTION CHIEF

- Plan the organization of the Logistics Section.
- Assign work locations and preliminary work tasks to Section personnel.
- Notify the Resources Unit of the Logistics Section units activated including names and locations of assigned personnel.
- Assemble and brief Branch Directors and Unit Leaders.
- Participate in preparation of the IAP.
- Identify service and support requirements for planned and expected operations.
- Provide input to and review the Communications Plan, Medical Plan and Traffic Plan.
- Coordinate and process requests for additional resources.
- Review the IAP and estimate Section needs for the next operational period.
- Advise on current service and support capabilities.
- Prepare service and support elements of the IAP.
- Estimate future service and support requirements.
- Receive Incident Demobilization Plan from Planning Section.
- Recommend release of Unit resources in conformity with Incident Demobilization Plan.
- Ensure the general welfare and safety of Logistics Section personnel.

SERVICE BRANCH DIRECTOR

- Obtain working materials.
- Determine the level of service required to support operations.
- Confirm dispatch of Branch personnel.
- Participate in planning meetings of Logistics Section personnel.
- Review the IAP.
- Organize and prepare assignments for Service Branch personnel.
- Coordinate activities of Branch Units.
- Inform the Logistics Section Chief of Branch activities.
- Resolve Service Branch problems.

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COMMUNICATIONS UNIT LEADER

- Determine Unit personnel needs.
- Prepare and implement the Incident Radio Communications Plan (Figure 5.6).
- Ensure the Incident Communications Center and the Message Center is established.
- Establish appropriate communications distribution/maintenance locations within the Base/Camp(s).
- Ensure communications systems are installed and tested.
- Ensure an equipment accountability system is established.
- Ensure personal portable radio equipment from cache is distributed per Incident Radio Communications Plan.
- Provide technical information as required on:
  - Adequacy of communications systems currently in operation.
  - Geographic limitation on communications systems.
  - Equipment capabilities/limitations.
  - Amount and types of equipment available.
  - Anticipated problems in the use of communications equipment.
- Supervise Communications Unit activities.
- Maintain records on all communications equipment as appropriate.
- Ensure equipment is tested and repaired.
- Recover equipment from Units being demobilized.

MEDICAL UNIT LEADER

- Participate in Logistics Section/Service Branch planning activities.
- Establish and prepare the Medical Plan (Figure 5.7).
- Prepare procedures for major medical emergency.
- Declare major emergency as appropriate.
- Respond to requests for medical aid, medical transportation, and medical supplies.
- Prepare and submit necessary documentation.

FOOD UNIT LEADER

- Determine food and water requirements.
- Determine the mode of feeding to best fit each facility or situation.
- Obtain necessary equipment and supplies and establish cooking facilities.
- Ensure that well-balanced menus are provided.
- Order sufficient food and potable water from the Supply Unit.
- Maintain an inventory of food and water.
- Maintain food service areas, ensuring that all appropriate health and safety measures are being followed.
- Supervise caterers, cooks, and other Food Unit personnel as appropriate.

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SUPPORT BRANCH DIRECTOR

- Obtain work materials.
- Identify Support Branch personnel dispatched to the incident.
- Determine initial support operations in coordination with the Logistics Section Chief and Service Branch Director.
- Prepare initial organization and assignments for support operations.
- Assemble and brief Support Branch personnel.
- Determine if assigned Branch resources are sufficient.
- Maintain surveillance of assigned units' work progress and inform the Logistics Section Chief of their activities.
- Resolve problems associated with requests from the Operations Section.

SUPPLY UNIT LEADER

- Participate in Logistics Section/Support Branch planning activities.
- Determine the type and amount of supplies en route to the incident.
- Review the IAP for information on operations of the Supply Unit.
- Develop and implement safety and security requirements.
- Order, receive, distribute, and store supplies and equipment.
- Receive and respond to requests for personnel, supplies, and equipment.
- Maintain an inventory of supplies and equipment.
- Service reusable equipment.
- Submit reports to the Support Branch Director.

FACILITY UNIT LEADER

- Review the IAP.
- Participate in Logistics Section/Support Branch planning activities.
- Determine requirements for each facility, including the ICP.
- Prepare layouts of incident facilities.
- Notify Unit Leaders of facility layout.
- Activate incident facilities.
- Provide Base and Camp Managers as well as personnel to operate facilities.
- Provide sleeping facilities.
- Provide security services.
- Provide facility maintenance services (e.g., sanitation, lighting, clean up).
- Demobilize Base and Camp facilities.
- Maintain facility records

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GROUND SUPPORT UNIT LEADER

- Participate in Support Branch/Logistics Section planning activities.
- Develop and implement the Traffic Plan.
- Support out-of-service resources.
- Notify the Resources Unit of all status changes on support and transportation vehicles.
- Arrange for and activate fueling, maintenance, and repair of ground resources.
- Maintain Support Vehicle Inventory and transportation vehicles (Figure 5.11).
- Provide transportation services, in accordance with requests from the Logistics Section Chief or Support Branch Director.
- Collect information on rented equipment.
- Requisition maintenance and repair supplies (e.g., fuel, spare parts).
- Maintain incident roads.
- Submit reports to Support Branch Director as directed.

VESSEL SUPPORT UNIT LEADER

- Participate in Support Branch/Logistics Section planning activities.
- Coordinate development of the Vessel Routing Plan.
- Coordinate vessel transportation assignments with the Protection and Recovery Branch or other sources of vessel transportation.
- Coordinate water-to-land transportation with the Ground Support Unit, as necessary.
- Maintain a prioritized list of transportation requirements that need to be scheduled with the transportation source.
- Support out-of-service vessel resources, as requested.
- Arrange for fueling, dockage, maintenance and repair of vessel resources, as requested.
- Maintain inventory of support and transportation vessels.

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FINANCE/ADMINISTRATION

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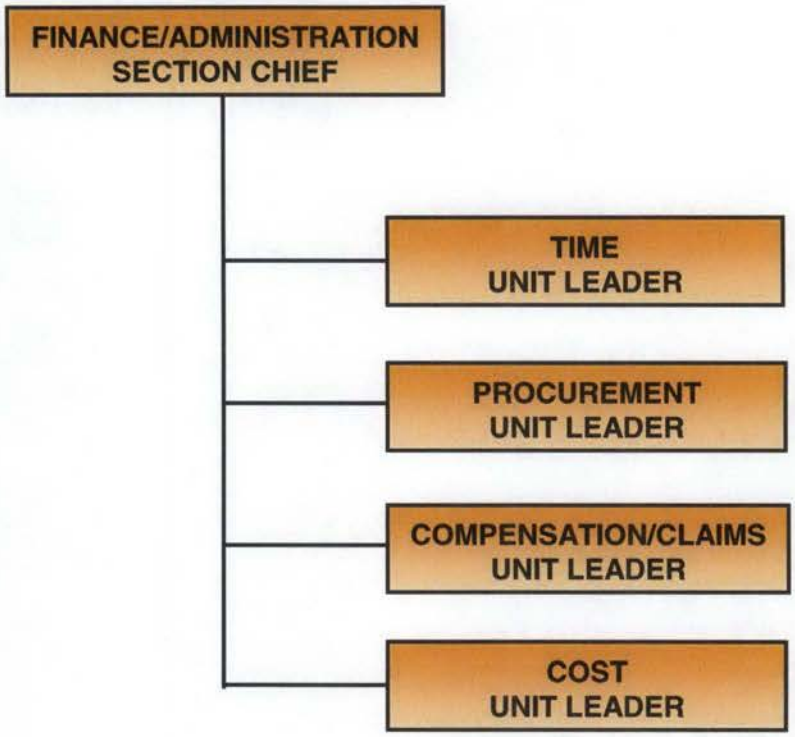
Finance/Administration Section Chief F-20

Time Unit Leader F-20

Procurement Unit Leader F-21

Compensation/Claims Unit Leader F-21

Cost Unit Leader F-22



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FINANCE/ADMINISTRATION SECTION CHIEF

- Attend planning meetings, as required.
- Manage all financial aspects of an incident.
- Provide financial and cost analysis information, as requested.
- Gather pertinent information from briefings with responsible agencies.
- Develop an operating plan for the Finance/Administration Section; fill supply and support needs.
- Determine the need to set up and operate an incident commissary.
- Meet with assisting and cooperating agency representatives, as needed.
- Maintain daily contact with Company administrative headquarters on finance/ administration matters.
- Ensure that all personnel time records are accurately completed and transmitted, according to policy.
- Provide financial input to demobilization planning.
- Ensure that all obligation documents initiated at the incident are properly prepared and completed.
- Brief administrative personnel on all incident-related financial issues needing attention or follow-up prior to leaving incident.

TIME UNIT LEADER

- Determine incident requirements for time recording function.
- Determine resource needs.
- Contact appropriate Company personnel/representatives.
- Ensure that daily personnel time recording documents are prepared and in compliance with policy.
- Establish time unit objectives.
- Maintain separate logs for overtime hours.
- Establish commissary operation on larger or long-term incidents as needed.
- Submit cost estimate data forms to the Cost Unit, as required.
- Maintain security of time documents.
- Ensure that all records are current and complete prior to demobilization.
- Release time reports from assisting agency personnel to the respective agency representatives prior to demobilization.
- Brief the Finance/Administration Section Chief on current problems and recommendations, outstanding issues, and follow-up requirements.

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PROCUREMENT UNIT LEADER

- Review incident needs and any special procedures with Unit Leaders, as needed.
- Coordinate with local jurisdiction on plans and supply sources.
- Obtain the Incident Procurement Plan.
- Prepare and authorize contracts and land-use agreements.
- Draft memoranda of understanding, as necessary.
- Establish contracts and agreements with supply vendors.
- Provide for coordination between the Ordering Manager, agency dispatch, and all other procurement organizations supporting the incident.
- Ensure that a system is in place that meets Company property management requirements. Ensure proper accounting for all new property.
- Interpret contracts and agreements; resolve disputes within delegated authority.
- Coordinate with the Compensation/Claims Unit for processing claims.
- Complete final processing of contracts and send documents for payment.
- Coordinate cost data in contracts with the Cost Unit Leader.
- Brief the Finance/Administration Section Chief on current problems and recommendations, outstanding issues, and follow-up requirements.

COMPENSATION/CLAIMS UNIT LEADER

- Establish contact with the incident Safety Officer and Liaison Officer (or agency representatives if no Liaison Officer is assigned).
- Determine the need for Compensation for Injury and Claims Specialists and order personnel as needed.
- Establish a Compensation for Injury work area within, or as close as possible, to the Medical Unit.
- Review Incident Medical Plan (Figure 5.7).
- Ensure that Compensation/Claims Specialists have adequate workspace and supplies.
- Review and coordinate procedures for handling claims with the Procurement Unit.
- Brief the Compensation/Claims Specialists on incident activity.
- Periodically review logs and forms produced by the Compensation/Claims Specialists to ensure that they are complete, entries are timely and accurate and that they are in compliance with agency requirements and policies.
- Ensure that all Compensation for Injury and Claims logs and forms are complete and routed appropriately for post-incident processing prior to demobilization.
- Keep the Finance/Administration Section Chief briefed on Unit status and activity.
- Demobilize unit in accordance with the Incident Demobilization Plan.

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COST UNIT LEADER

- Coordinate cost reporting procedures.
- Collect and record all cost data.
- Develop incident cost summaries.
- Prepare resources-use cost estimates for the Planning Section.
- Make cost-saving recommendations to the Finance/Administration Section Chief.
- Ensure all cost documents are accurately prepared.
- Maintain cumulative incident cost records.
- Complete all records prior to demobilization.
- Provide reports to the Finance/Administration Section Chief.

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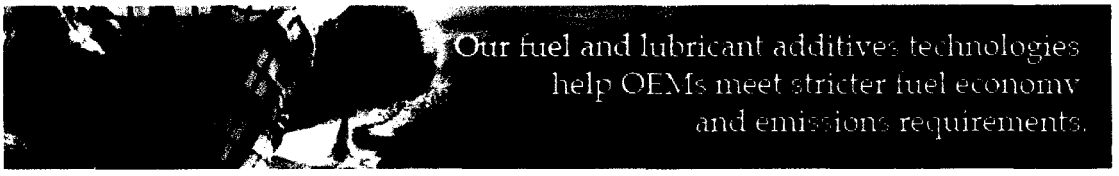
"Lube Oil Project"

Lube Oil, LLC

July 1, 2009



LUBE REPORT
Industry News from LUBES-n-GREASES

Wednesday, July 15, 2009 VOLUME 9 ISSUE 28

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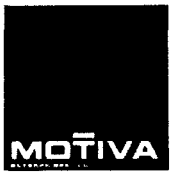

Fall Meeting '09
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ISSUE ARCHIVE

U.S. Base Oil Price Report

By Carolyn L. Green

ExxonMobil, Chevron, Flint Hills Resources, Holly, ConocoPhillips, Valero, Calumet and SK stepped out with plans to raise API Group I, II, II+, III and III+ posted prices by 5 cents to 45 cents per gallon this week.

These moves followed Motiva's 20 cent to 35 cent/gal increases reported last week and will complete a round of price hikes in a near-record 10-day span.

According to its customers, ExxonMobil added 10 cents to 35 cents per gallon to its lineup of base oils effective Monday, July 13. In the Group I category, SN 100 went up by 26 cents/gal, SN 150 climbed 35 cents/gal, SN 275 ascended 22 cents/gal and SN 330 moved higher by 25 cents/gal. SN 600 rose 30 cents/gal and the bright stock posting by 10 cents/gal. ExxonMobil's Group II+ (110 vis and 190 vis) postings were boosted by 20 cents/gal.

Also on July 13, Chevron moved all its Group II paraffinic grades, raising its 100 vis 45 cents/gal, 220 vis 20 cents/gal and 600 vis 30 cents/gal. The company said that steeper prices were necessary as supply/demand conditions have improved in recent weeks.

On Tuesday, July 14, FHR increased its light-end 70HC, 75HC and 100HC by 20 cents/gal, boosted 230HC by 15 cents/gal and pulled 600HC higher by 30 cents/gal.

Holly shifted its Group I base stocks higher by 10 cents to 35 cents/gal, also on Tuesday, July 14. SN 70 and SN 100 climbed 26 cents/gal, SN 148 went up by 35 cents/gal, SN 250 gained 22 cents/gal and SN 500 jumped 30 cents/gal. The bright stock price was pulled higher by 10 cents/gal.

Today, July 15, ConocoPhillips upped its line-up of Group II postings between 25 cents and 40 cents/gal. The 70 vis and 80 vis grades moved up 40 cents/gal, 110 vis rose 35 cents/gal, 225 vis gained 25 cents/gal and 600 vis added 30 cents/gal. COP also said that its Group II+ light viscosity oils went up 30 cents/gal. In the Group III category, Ultra-S 4 moved higher by 20 cents/gal and Ultra-S 8 jumped 25 cents/gal. ConocoPhillips markets S-Oil's Group III oils in North America.

Valero plans to hike posted prices on Thursday, July 16. The company will raise SN 100 by 26 cents/gal, SN 165 by 20 cents/gal, SN 500 and SN 700 by 5 cents/gal, while bright stock will climb 10 cents/gal.

Also on Thursday, July 16, Calumet will advance its posted prices. Group I

July 8, 2009
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[MORE]

grades 60 and 700 will go up by 20 cents/gal and the bright stock posting will be marked up by 10 cents/gal. Group II paraffinics 80, 100 and 325 will be increased by 20 cents/gal, while the 150 vis posting will climb 25 cents/gal. Apart from these moves, the company plans to take this opportunity to adjust its lower-tier pricing by additional amounts.

SK plans to increase all Yubase postings by 20 cents/gal, effective Monday, July 20.

Although a few suppliers indicated that sales have improved recently, overall activity was still considered slow in the eyes of a number of participants, particularly buyers.

Consumers are trying to understand this latest series of increases, but admit they are finding it difficult. They say that demand is generally weak and supply availability sufficient; therefore, these upward price adjustments appear unjustified.

Standing their ground, producers pointed to severely decayed margins alongside escalating operating costs as well as recent improved supply/demand conditions as justification to raise postings.

There does remain some offshore interest, with a few traders seeking a combination of light, mid and heavy viscosity grades from U.S. suppliers. However, to meet the required window of opportunity for export, supply availability remains tricky. In some cases, there are only negligible volumes of light or heavy material, but no volumes substantial enough for cargoes.

Looking upstream, crude oil prices have been trickling lower in recent weeks and are now below $60 per barrel, reaching their lowest levels in about two months. Analysts speculate that the trend may continue for the near term as economic fundamentals continue to be very weak.

Another factor driving crude prices lower is that U.S. regulators have said they are planning to move more aggressively to rein in excessive speculation in energy and commodity markets – pushing for greater transparency. Based on this speculation, the market has become more aligned with current fundamentals, analysts suggested.

At the close of the Tuesday, July 14, NYMEX session, front month light sweet crude oil futures ended the day at $59.52 per barrel, a loss of $3.41 from the week earlier settlement at $62.93/bbl.

Carolyn L. Green, based in Houston, can be reached directly at carolynlgreen@gmail.com.

Posted Paraffinic Base Oil Prices

July 15, 2009
(Prices given in U.S. dollars per gallon, and in U.S. dollars per metric ton)

Group I

	ExxonMobil*		Valero		Holly		Calumet	
	Gulf Coast		East Coast		Midwest		Gulf Coast	
Viscosity	$/gal	$/mt	$/gal	$/mt	$/gal	$/mt	$/gal	$/mt
60							3.23	1,006
70					2.52	784		
85								
100	2.31	710	3.14	965	2.31	707		
148-165	2.47	752	2.84	860	2.51	771		
250-275	2.61	788			2.62	796		
300-350	2.65	799						
500-525			3.18	951	3.30	997		
600-700	2.81	844	3.20	946			3.38	1,013

Bright stock 150	3.02	891	3.26	954	3.16	939	3.25	961

Group II

	Motiva		ConocoPhillips		Chevron		Calumet		Flint Hills	
	Gulf Coast		Gulf Coast		West Coast		Gulf Coast		Gulf Coast	
Viscosity	$/gal	$/mt	$/gal	$/mt	$/gal	$/mt	$/gal	$/mt	$/gal	$/mt
70	2.61	817	2.64	815					2.44	755
75-80			2.64	812			2.54	785	2.44	748
100-110	2.59	805	2.60	802	2.78	862	2.39	737	2.45	756
145-150							2.82	859		
200-230	2.71	827	2.76	844	2.96	906			2.62	801
325							3.00	902		
600	3.11	942	3.13	949	3.30	1,003			3.06	924

Group II+

	ExxonMobil*		Motiva		SK		ConocoPhillips	
	Gulf Coast		Gulf Coast		Gulf Coast		Gulf Coast	
Viscosity	$/gal	$/mt	$/gal	$/mt	$/gal	$/mt	$/gal	$/mt
50-60							3.15	1,016
70-80					3.27	1,043	3.15	1,005
110-130	2.97	928	3.22	1,007				
190	2.71	839						

Group III

	SK		ConocoPhillips	
	Gulf Coast		Gulf Coast	
Viscosity	$/gal	$/mt	$/gal	$/mt
4 cSt	3.41	1,084	3.41	1,080
6 cSt	3.41	1,071		
8 cSt	3.46	1,077	3.42	1,069

Group III+

	SK	
	Gulf Coast	
Viscosity	$/gal	$/mt
4 cSt	4.21	1,339

* ExxonMobil prices obtained indirectly.

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July 15, 2009

Base Oils Beyond GTL

By Nancy DeMarco

KUALA LUMPUR, Malaysia – Looking beyond gas-to-liquids, governments and private enterprises are eyeing other carbon sources of clean fuels that can also produce high quality lubricant base oils. Carbon-to-liquids activity is tied to crude prices, an industry expert noted. "If crude spikes, coal-to-liquids and biomass-to-liquids will stampede."

Amy Claxton, principal of consultancy My Energy in Hummelstown, Pa., described the carbons-to-liquids technologies that will most likely emerge over the next decade, at the ICIS Asian Base Oils & Lubricants Conference here on June 24. Carbons-to-liquids technology is rapidly evolving, Claxton said, and high crude prices will accelerate this evolution, especially for coal.

"XTL is on the horizon," said Claxton. "What is it? 'X' can mean any carbon source: natural gas, coal, crops, petroleum coke, municipal waste. But gas-to-liquids or GTL, coal-to-liquids (CTL), and biomass-to-liquids (BTL), are the three major XTL technologies being pursued today."

Over the last 24 months, she continued, XTL has become the new GTL. "GTL projects have slowed, with escalating project costs, gas allocation issues, competitiveness against liquefied natural gas, and high gas prices."

Coal has replaced natural gas as the feedstock for the majority of XTL projects around the world, Claxton said, while biomass has gained attention as a feedstock due to environmental concerns.

Any XTL can use the same Fischer-Tropsch technology to produce high quality transportation fuels, Claxton explained, and this means they can produce API Group III+ lubricant base stocks and/or Fischer-Tropsch waxes.

"There are three reasons for our industry to care about XTL," Claxton said.

First, with GTL limited to host governments with large gas reserves – essentially Russia and Qatar – XTL brings opportunities for Group III+ base oils in other regions, particularly CTL in coal-rich India, China and United States, and BTL in Europe.

"Access to third-party sales of XTL lubes would be good for base oil buyers seeking high quality oils," she continued, and for automakers wanting better oils. But it would not be such good news for existing base oil manufacturers with lower qualities, especially in oversupplied regions.

A second reason for the lube industry to monitor XTL, Claxton said, is increased polyalphaolefin production. "About 10 percent of an XTL plant's output, unrelated to lubes, is naphtha/n-paraffin." This is feed for olefin production in chemical plants. "PAO prices have historically been high, but XTL could provide lower cost ethylene."

ExxonMobil, Dow and Sabic are among the companies that are looking closely at PAO from coal-to-liquids, Claxton noted. Access to lower cost PAO would be good for finished lubricant formulators, the auto industry and other high-end base oil buyers. But it would not be such good news for existing PAO manufacturers.

Finally, the prospect of more high quality base oils and PAO supplies will result in continued rationalization of older Group I plants, and further erosion of wax and bright stock supplies, Claxton said.

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Turning to the global outlook for BTL, GTL and CTL, Claxton noted that GTL "is not dead, but it is on life support."

BTL, she said, is evolving quickly, particularly in Europe, but on a very small scale and therefore at high cost, and with no lubricants on the drawing board.

CTL, however, offers a different picture, said Claxton. There was massive CTL activity in China, India, the U.S. and other areas in 2007-2008. For example, China announced about 30 projects totaling some U.S. $15 billion by 2020. About half involved Fischer-Tropsch technology, and Sasol, Shell, ExxonMobil and others were involved.

"But it all cooled down in 2009," continued Claxton, "because coal is really dirty." Governments halted projects, particularly in China. The CTL focus now is on realizing significant environmental improvements. Carbon capture and sequestration, conversion of carbon dioxide to other products, reduced water consumption, and comingling coal with 5 percent to 25 percent biomass are all under study.

One key outcome, said Claxton, is "synergistic technology improvements." GTL brings improved syngas generation technology, improved oxygen separation technology and new catalysts to the table. CTL emphasizes emissions reduction technology and increased integration for energy efficiency and power generation. BTL's second generation technology is using the Fischer-Tropsch process, and uses crop residues, non-food crops, municipal and sawmill waste.

But any future XTL project activity is tied to the price of crude, Claxton emphasized. "GTL is disabled at high and low crude prices."

If sustained crude prices are above $90 per barrel, she said, we'll see high project activity for CTL and BTL, but GTL will slow as gas in the pipeline is more profitable.

With crude in the $40/bbl to $90/bbl range, GTL, CTL and BTL will continue, albeit cautiously, she said. And with sustained crude prices below $40/bbl, crude will be more attractive than XTL, so most projects will slow or be delayed. CTL might move only in China; BTL only in Europe.

"High crude prices will accelerate XTL technology, especially coal," Claxton concluded. "CTL is the big play. It holds significant growth potential; it's the one to watch."

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"Lube Oil Project"

Lube Oil, LLC

July 1, 2009

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"Lube Oil Project"

July 1, 2009

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9	Future Location of the "Lube Oil Project" Facility

Section 1

Executive Summary

Lube Oil, LLC
"Drain Oil Project"
Executive Summary
July 1, 2009

I. Overview of Project:

CES Environmental Services, Inc. ("CES") currently obtains used motor oil from many sources at various qualities and prices. CES improves the quality by removing water, dirt, and motor engine combustion by-products in the oils at it's Houston facility. Then, the oils are sold for higher market prices than the receiving costs.

CES plans to construct and operate an expansion of its current used oil operation through a Joint Venture ("JV") called Lube Oil, LLC which can process a larger volume of oil producing annual revenues of approximately $11 million and net pretax income of $2.5 million based on third quarter 2009. Project costs to finish construction and start operation will be $3.25 million.

Timing, market conditions, and location for this project are optimum. Additionally, no similar operation currently exists in or near the Houston area (although momentum for such a project is building quickly). Any potential competitor that wishes to construct such a plant would be at a minimum of 2 to 3 years behind our project. Our project can be finished in 4 to 8 months and be at full operational capacity after 8 to 10 months since most of the equipment has already either been obtained or is close to delivery.

CES will use its current experience in this oil production market to build and expand to higher levels of revenue and income over current CES operations the JV. Nevertheless, the proposed expansion is a larger enhanced version of the current operation which has a clear record of capability and cost of operation.

In summary, CES through the JV plans to take used lube oil of one quality and price (currently $0.6 per gallon) and enhance the material until the improved lube oil has a value of $1.5 per gallon (current rate). Then, the oil will be sold to lube oil blending operations for feed stock.

II. Summary of the Description of Operation:

CES through the JV will obtain oil from the Houston area and nearby Gulf Coast Region by truck, barge, and rail. This oil will be moved to CES plant. At the site, water and solids will be removed by pretreatment steps. Then, the process will first remove the remaining small amounts of water, gasoline, kerosene, or diesel. The remaining oil will be processed to remove residual solids and asphaltenes.

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The oil from the operation will be separated into two groups: a medium chain hydrocarbon (low viscosity oil); and the second group, a long chain hydrocarbon distillate or heavy lube or medium viscosity oil.

The re-refining process produces lube oil through a vacuum enhanced special application distillation process.

The process feed can be spent crank case oils, hydraulic oils, lubricating oil, and mist oils. The process produces two grades of lube oil that can be used by the motor oil industry, gear oil industry, and the bar/chain oil producers.

CES has already found purchasers of the produced oil with a predefined purchase price which is used in the income projections. CES also has markets for both the asphalt product and light ends produced. All wastewater produced will be managed by the CES Houston facility (a fully permitted treatment and disposal facility).

III. Summary of Profit & Loss Projection First Year:

CES through the JV will use existing market networks to purchase feed stock and sell the final product. The budget for the project estimates purchase of feedstock at $0.6 per gallon while the resulting base oil product is estimated to sell for is $1.5 per gallon current pricing. The target capacity of the plant is 30,000 gallons of raw feed per day. EBITDA projections for the first year of operations are $2.5 million at current market conditions. Projections for year 2010 indicate that profits can reach an annual rate of $5 million.

IV. Deal Structure

CES is seeking a partner or partners to form a separate company. The company will be owned 50% by CES and 50% by the partner(s). CES will provide a site for the plant location within the confines of either its Houston or Port Arthur facilities. CES will also furnish the equipment already purchased for the project as part of its contribution to the project. The JV will set up a long term site lease for the newly formed company. CES will sell 50% ownership in this new company for a price of US $3.25 million. This will include sufficient funding for CES to complete plant construction.

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Section 2

Summary of Description of Operation

Summary

of the

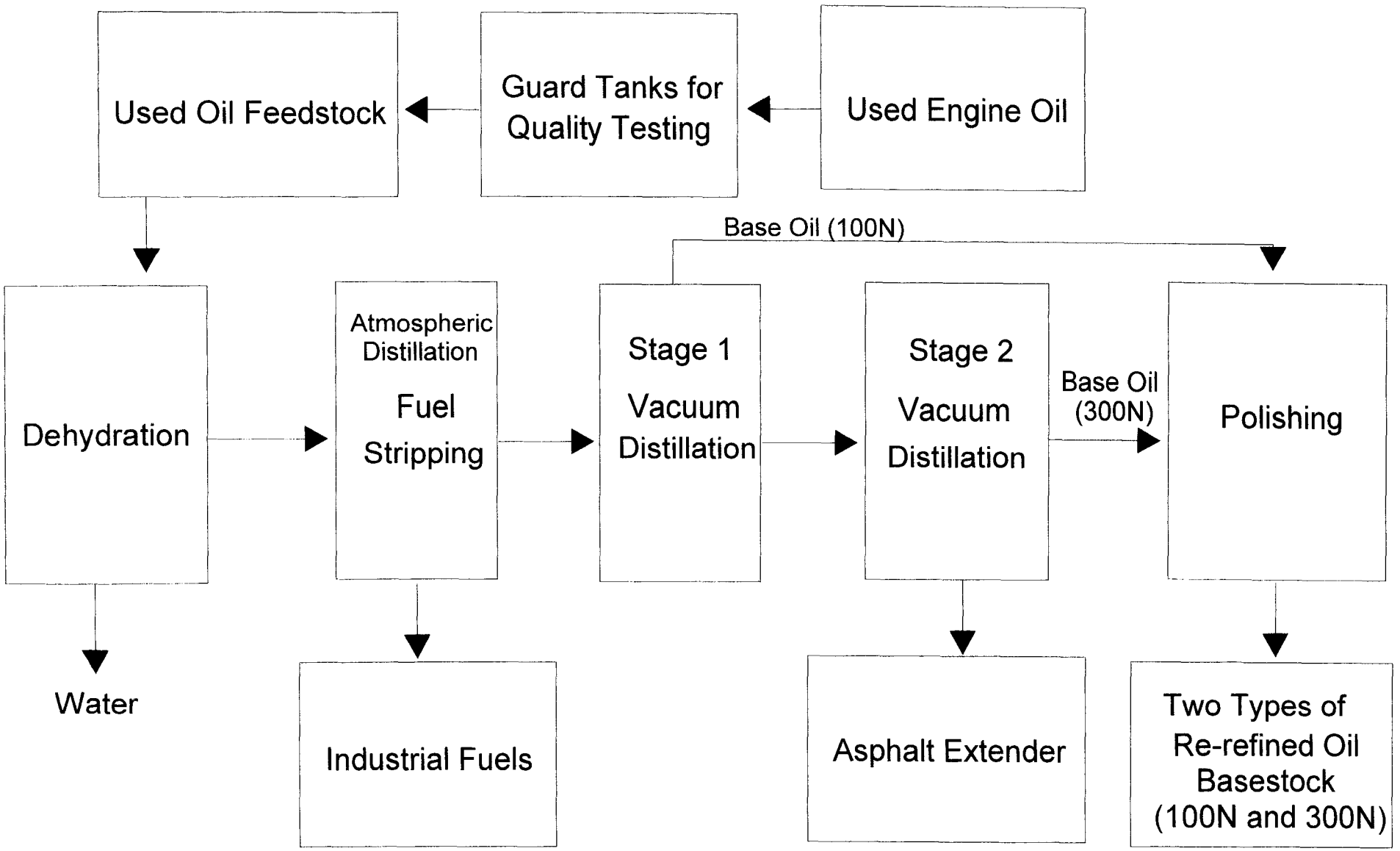
Description of Operation

CES Environmental Services, Inc. ("CES") Project Operator will obtain oil from the Houston area and nearby Gulf Coast Region by truck, barge, and rail. This oil will be moved to a CES site. At the site, water and solids will be removed by pretreatment steps. Then, the process will first remove the remaining small amounts of water, gasoline, kerosene, or diesel. Then, the remaining oil will be processed to remove residual solids and asphaltenes. The oil from the operation will be separated into two groups: one a medium chain hydrocarbon (low viscosity oil); and the second group, a long chain hydrocarbon distillate or heavy lube or medium viscosity oil.

The process feed can be used crank case oils, hydraulic oils, lubricating oil, and mist oils. The process produces two grades of lube oil that can be used by the motor oil industry, gear oil industry, and the bar/chain oil producers as a base oil blend stock.

CES has already found purchasers of the produced oil with a predefined purchase price which is used in the attached income projections. CES has also delineated suppliers of the feed oil and its cost. The projections include the market feed oil cost.

Motor Oil Plant
Typical Re-refining Process
Process Flow Diagram
December 30, 2008



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PARTIAL SUPPLIER LIST OF FEEDSTOCKS AND VOLUMES IN HOUSTON GULF COAST AREA

Company Name	Approximate Monthly Volumes
Flex Oil	210,000 gallons
Arrow	150,000 gallons
O'Rourke Petroleum	390,000 gallons
Intergulf Fuels	100,000 gallons
Gulf Coast Oil Recovery	60,000 gallons
CES Environmental Services, Inc.	50,000 gallons
Holcomb Oil	55,000 gallons
Atlantic Industrial (Houston)	200,000 gallons
Thermal Fluids	250,000 gallons
TOTAL	1,465,000 gallons

CES Requirements: 864,000 gallons/month

PartialSupplierListofFeedstocks&Vol:Disk18:31006

PURCHASERS OF OIL THAT CAN BE PRODUCED BY PROJECT

- Cross Oil Refining & Marketing, Inc., Smackover, AR
- Smithy Supply, Rosedale, LA
- East Cost Oils, Lake Charles, LA
- Homan, Chicago, IL
- Colorado Petroleum, Denver, CO
- Bass Oil Company, Inc., Brooklyn, NY

3

Section 3

Current Status / Uses of Funds

"Lube Oil Project"

December 30, 2008

Current Status

The project is substantially underway and scheduled to become operational in Mid Year 2009. Most of the major processing vessels and process controls are ready for installation or scheduled for delivery within the next few months. The structural framework is manufactured and ready for installation. Expected total cost of the project is approximately $4 MM to $5 MM.

CES has expended $2 MM at this time on the project.

We seek to raise an additional $3.25 MM to complete the construction, installation and start up of the facility.

"Lube Oil Project"
December 30, 2008

Use of Funds

PLC Process Controls		$ 100,000
Fabrication of Tank Farm		$ 210,000
Fabrication of Process Vessel Piping		$ 150,000
Engineering Services		$ 50,000
Fabrication of Heat Exchanger		$ 90,000
Erection of Structural Framework		$ 100,000
Upgrades to Oil Filter System		$ 50,000
Vacuum System		$ 200,000
Processing Vessels		$ 200,000
Electrical		$ 200,000
Piping		$ 150,000
Concrete Foundations and Area Paving		$ 200,000
Control Room		$ 50,000
Utilities and Other Item(s)		$ 200,000
Second Oil Polishing System		$ 150,000
	Subtotal	**$2,100,000**
Working Capital		$ 400,000
CES Development Costs and Support Startup		$ 750,000
	Total	**$3,250,000**

4

Section 4

Proposed Deal Structure / Payback – Amount with Timing

(DRAFT)

Proposed Deal Structure for Investor in the Lube Oil Project and Payback Structure July 1, 2009

Total Amount of Funds – $3,250,000
Total Equity Position – 50%
For – $3,250,000

Use of Funds
$2,500,000 to Oil Project to finish construction and start-up working capital.
$ 750,000 to CES to repay development costs and support start-up including long term land lease at PACES (Port Arthur).

Use of Income Pretax ("PT") Profits from Oil Project:

	Amount Paid Out from Oil Project to Outside Investor
First Year	
PT Profit $2.5 MM	
Distribution Projected	
(A) $0.8 MM to CES	
(B) $0.9 MM to Oil Project Improvements/Reserve	
(C) $0.8 MM to Investors of $3,250,000	$ 800,000
Second Year	
First PT Profit $5 MM	
(A) $1.5 MM to Investors of $3,250,000	$1,500,000
(B) $2 MM to Oil Project Improvements/Reserve	
(C) $1.5 MM to CES	
Second Year Subtotal	**$2,300,000**
Third Year	
First PT Profit $5 MM	
(A) $2 MM to Oil Project	
(B) $3 MM 50% to CES and 50% to Investors ($1.5 MM)	$1,500,000
Third Year Subtotal	**$3,800,000**
Fourth Year	
First Pretax Profit $5 MM	
(A) $2 MM to Oil Project	
(B) $3 MM 50% to CES and 50% to Investors ($1.5 MM)	$1,500,000
Fourth Year Total	**$5,300,000**
	To Outside Investor

Total Payment to Investors:

Year 1 - $ 0.8 MM
Year 2 - $ 1.5 MM
Year 3 - $ 1.5 MM
Year 4 - $ 1.5 MM
Total $ 5.3 MM

5

Section 5

Pro Forma Yearly Income Statement

PRO FORMA YEARLY INCOME STATEMENT

REVENUE AND INCOME PROJECTIONS

FOR THE

PROPOSED OIL PURIFICATION SYSTEM

USING

28,800 GAL/DAY FEED OF DRAIN OIL

NOTE: This level of revenue and income is projected after a 10-month period of construction and start-up activities

Projections

The cost, revenue, and income projections included with this summary are based on current operations and expenses at the CES site in Houston. The projections are based on a larger operation than the current CES operation with input from data sources that have built a larger operation or process to produce greater volumes of higher quality oil from a low quality oil.

Lube Oil Project
Summary of Projections
Third Quarter 2009
July 1, 2009

Group I. Lube Oil

1. Purchase Price Used Oil - $0.60/gallon.

2. Sale Price of Recovered Lube Oil - $1.50/gallon.

3. Estimated Pretax Profit for One Year - $2.5 to $2.7 million (300 to 330 days of operation per year).

4. Estimated Annual Sales - $10.6 to $11.6 million (300 to 330 days of operation per year).

Basic data and assumptions:						
All figures in US Dollars.						
1	Cost of Waste Oil feed input to the plant	$ 0.60	per gallon	Equivalent To	$	0.63
2	Distilled Filtered Oil selling price (Base Oil)	$ 1.50	per gallon	Charge price reduced		
3	Plant fuel cost - Natural Gas	$ 7.00	per MM Btu	for 5% water in oil feed.		
4	Gasoline/Diesel selling price	$ 0.60	per gallon			
5	Asphalt/bunker 6 selling price	$ 0.40	per gallon			
6	Cost of power	$ 0.145	per kWH			
7	Cost of make-up cooling water	$ 0.01	per gallon			
Economic Assesment of the plant:						
	Capacity of the plant	1,200	gph of waste	oil input.(Feed)		
I	Cost of Equipment and Installation		Million	Equipment		
II	Land Cost and Improvements	$ -		CES Site		
	System Cost Installed With Site Improvements	$ -				
				No. of Working days/yr		
	Income statement - Revenue	% Recovery	Rate per gal	300		330
	Recoveries of:					
	Oil (SAE 10 to 20;SAE 30 to 40) Base Oil	75.00	$ 1.50	$ 9,720,000	$	10,692,000
	Diesel	5	$ 0.60	$ 259,200	$	285,120
	Gasoline	5	$ 0.60	$ 259,200	$	285,120
	Asphalt Material Extender Blended With Aspha	10	$ 0.40	$ 345,600	$	380,160
	Total revenue from oil production	**95**		**$ 10,584,000**	**$**	**11,642,400**
	Note: 5% water in oil feed					
	Expenditure statement - Direct.	Total units	Costs / unit			
	Cost of input Waste Oil	28,800gal/day	$ 0.60	$ 5,184,000	$	5,702,400
	Cost of Wasterwater Disposal at CES	60 gph at $.05	per gal T&D	$ 21,600	$	28,760
	Direct Labor :					
	Plant Forman			$ 75,000	$	75,000
	Lab Technician			$ 50,000	$	50,000
	Operators, 2 persons, per hour, 24hr/day	17520	$ 30.00	$ 525,600	$	578,160
	Maintenance, 2 persons, 5 days/week	4576	$ 25.00	$ 114,400	$	125,840
	Utilities:(Heater 10 MM Btu/hr)					
	Power, in kWH	750	$ 0.145	$ 783,000	$	861,300
	Solvent make-up at 0.25% for the polishing			$ 20,000	$	22,000
	Fuel for Hot Oil heater, Nat Gas MM Btu/yr	72,000	$ 7.00	$ 504,000	$	554,400
	Cooling water for make-up - gal/hr	2000	$ 0.01	$ 144,000	$	158,400
	Sulfuric Acid $700/330gal 2times/mo			$ 16,800	$	18,480
	Emulsion Breaker 600 gal/mo			$ 86,400	$	95,040
	Safety Supplies			$ 12,000	$	13,200
	Lab Supplies			$ 48,000	$	52,800
	Total Direct Costs			**$ 7,584,800**	**$**	**8,335,780**
	Expenditure statement - Indirect.					
	Maintenance parts and supplies / costs / year			$ 300,000	$	330,000
	S,G, and A - Insurance, Office Staff, & Misc	$16,135/mo		$ 193,620	$	212,982
	Total Indirect Costs			**$ 493,620**	**$**	**542,982**
	Operating Profit (Before interest)			**$ 2,505,580**	**$**	**2,763,638**
				$ -	$	-
				$ -	$	-
	Profit before depreciation and Tax			**$ 2,505,580**	**$**	**2,763,638**
	Projected Return on Investment (ROI)	days		**0**		**0**
		years		**0.00**		**0.00**

OPS1200gphoilFeed;900gphoil

Lube Oil Project
Summary of Projections
First Quarter 2010
July 1, 2009

Group I. Lube Oil

1. Purchase Price Used Oil - $0.60/gallon.

2. Sale Price of Recovered Lube Oil - $2.00/gallon.

3. Estimated Pretax Profit for One Year - $5.7 to $6.3 million (300 to 330 days of operation per year).

4. Estimated Annual Sales - $13.8 to $15.2 million (300 to 330 days of operation per year).

Basic data and assumptions:							
All figures in US Dollars.							
1	Cost of Waste Oil feed input to the plant	$	0.60	per gallon	Equivalent To	$	0.63
2	Distilled Filtered Oil selling price (Base Oil)	$	2.00	per gallon	Charge price reduced		
3	Plant fuel cost - Natural Gas	$	7.00	per MM Btu	for 5% water in oil feed.		
4	Gasoline/Diesel selling price	$	0.60	per gallon			
5	Asphalt/bunker 6 selling price	$	0.40	per gallon			
6	Cost of power	$	0.145	per kWH			
7	Cost of make-up cooling water	$	0.01	per gallon			
Economic Assesment of the plant:							
	Capacity of the plant		1,200	gph of waste	oil input.(Feed)		
I	Cost of Equipment and Installation			Million	Equipment		
II	Land Cost and Improvements	$	-		CES Site		
	System Cost Installed With Site Improvements	$	-				
					No. of Working days/yr		
	Income statement - Revenue	% Recovery		Rate per gal	300		330
	Recoveries of:						
	Oil (SAE 10 to 20;SAE 30 to 40) Base Oil	75.00		$ 2.00	$ 12,960,000	$	14,256,000
	Diesel	5		$ 0.60	$ 259,200	$	285,120
	Gasoline	5		$ 0.60	$ 259,200	$	285,120
	Asphalt Material Extender Blended With Aspha	10		$ 0.40	$ 345,600	$	380,160
	Total revenue from oil production	**95**			**$ 13,824,000**	**$**	**15,206,400**
	Note: 5% water in oil feed						
	Expenditure statement - Direct.	Total units		Costs / unit			
	Cost of input Waste Oil	28,800gal/day		$ 0.60	$ 5,184,000	$	5,702,400
	Cost of Wasterwater Disposal at CES	60 gph at $.05		per gal T&D	$ 21,600	$	28,760
	Direct Labor :						
	Plant Forman				$ 75,000	$	75,000
	Lab Technician				$ 50,000	$	50,000
	Operators, 2 persons, per hour, 24hr/day	17520		$ 30.00	$ 525,600	$	578,160
	Maintenance, 2 persons, 5 days/week	4576		$ 25.00	$ 114,400	$	125,840
	Utilities:(Heater 10 MM Btu/hr)						
	Power, in kWH	750		$ 0.145	$ 783,000	$	861,300
	Solvent make-up at 0.25% for the polishing				$ 20,000	$	22,000
	Fuel for Hot Oil heater, Nat Gas MM Btu/yr	72,000		$ 7.00	$ 504,000	$	554,400
	Cooling water for make-up - gal/hr	2000		$ 0.01	$ 144,000	$	158,400
	Sulfuric Acid $700/330gal 2times/mo				$ 16,800	$	18,480
	Emulsion Breaker 600 gal/mo				$ 86,400	$	95,040
	Safety Supplies				$ 12,000	$	13,200
	Lab Supplies				$ 48,000	$	52,800
	Total Direct Costs				**$ 7,584,800**	**$**	**8,335,780**
	Expenditure statement - Indirect.						
	Maintenance parts and supplies / costs / year				$ 300,000	$	330,000
	S,G, and A - Insurance, Office Staff, & Misc	$16,135/mo			$ 193,620	$	212,982
	Total Indirect Costs				**$ 493,620**	**$**	**542,982**
	Operating Profit (Before interest)				**$ 5,745,580**	**$**	**6,327,638**
					$ -	$	-
					$ -	$	-
	Profit before depreciation and Tax				**$ 5,745,580**	**$**	**6,327,638**
	Projected Return on Investment (ROI)	days			**0**		**0**
		years			**0.00**		**0.00**

OPS1200gphoilFeed;900gphoil

6

Section 6

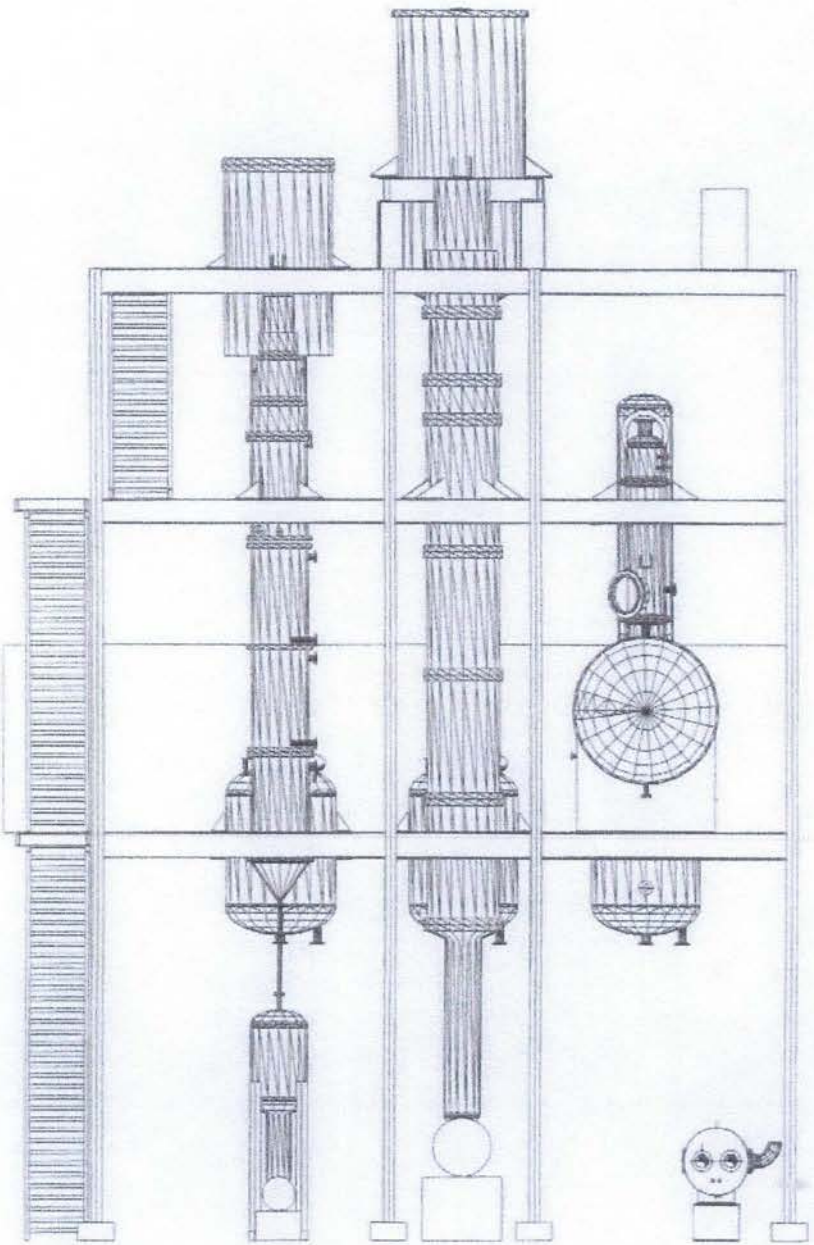
Proposed Process Equipment Arrangement

Equipment Arrangements

of the

Proposed Oil Processing Equipment Expansion

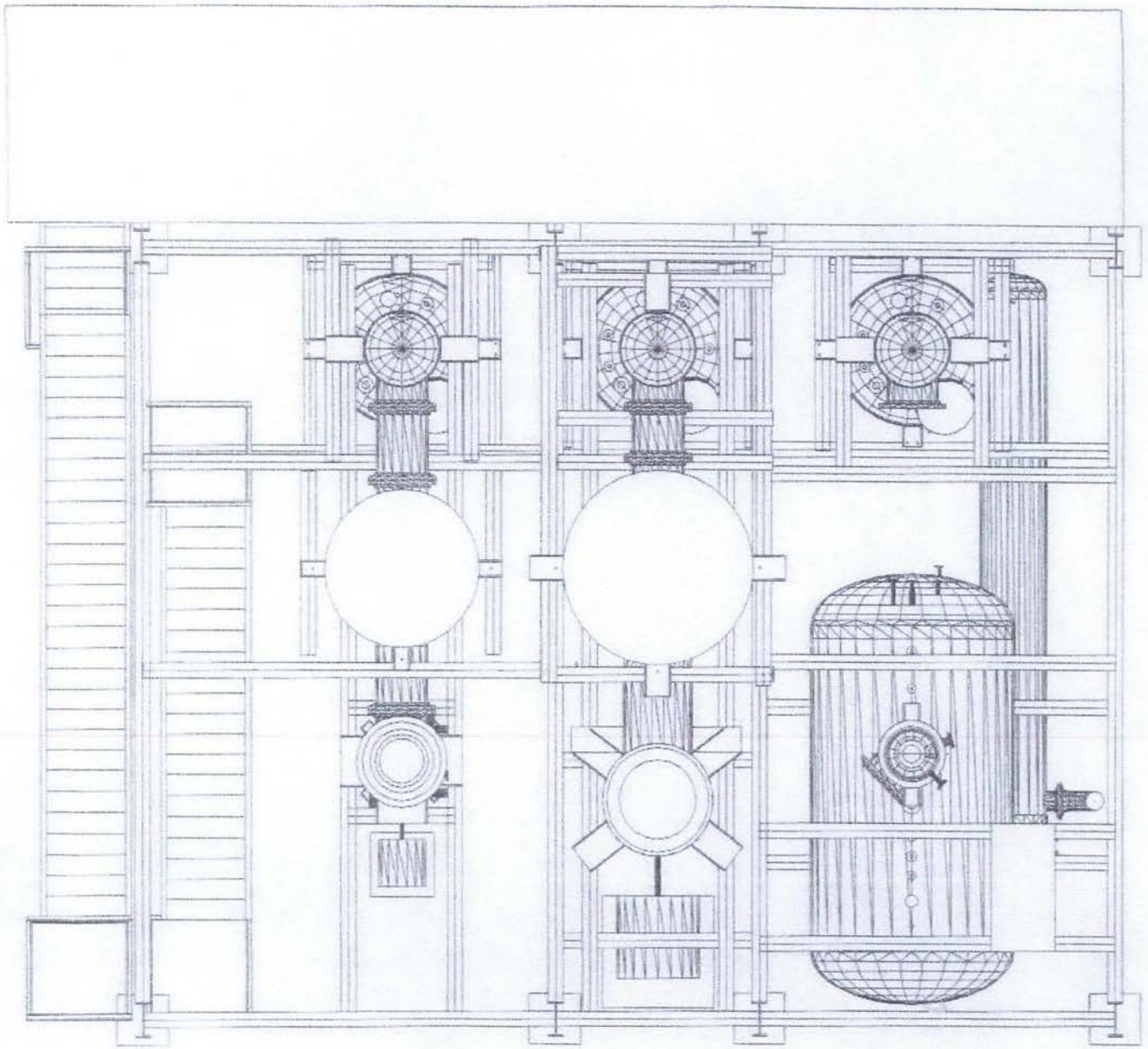
December 2008



ISSUED
FOR APPROVAL
BY: DATE 1/30/07

SOUTH ELEV-001
(LOOKING NORTH)

EPAHO089000228



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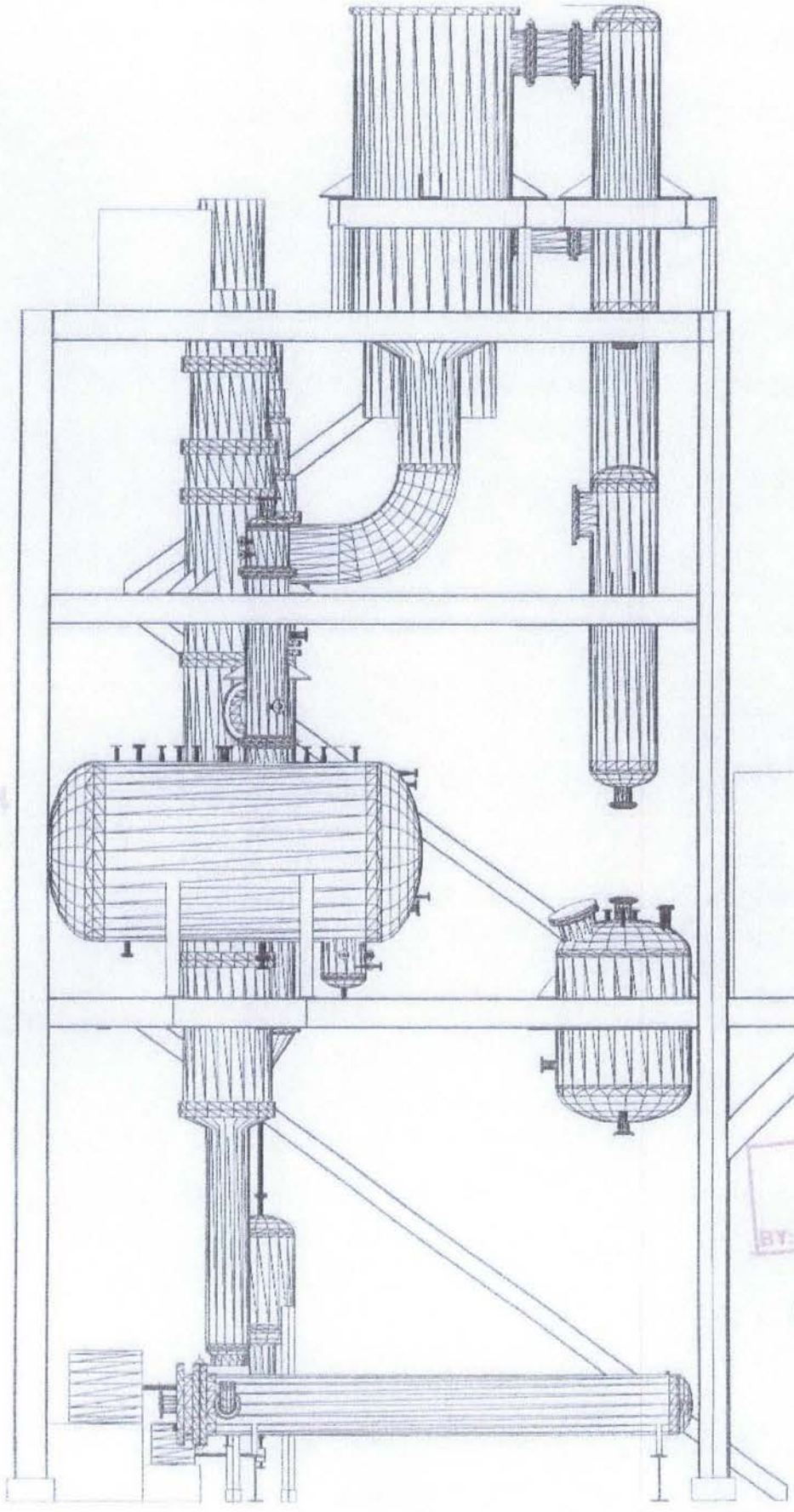
BY: DATE 1-30-07

PLAN-001

EPAHO089000229



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BY: DATE 1/30/01

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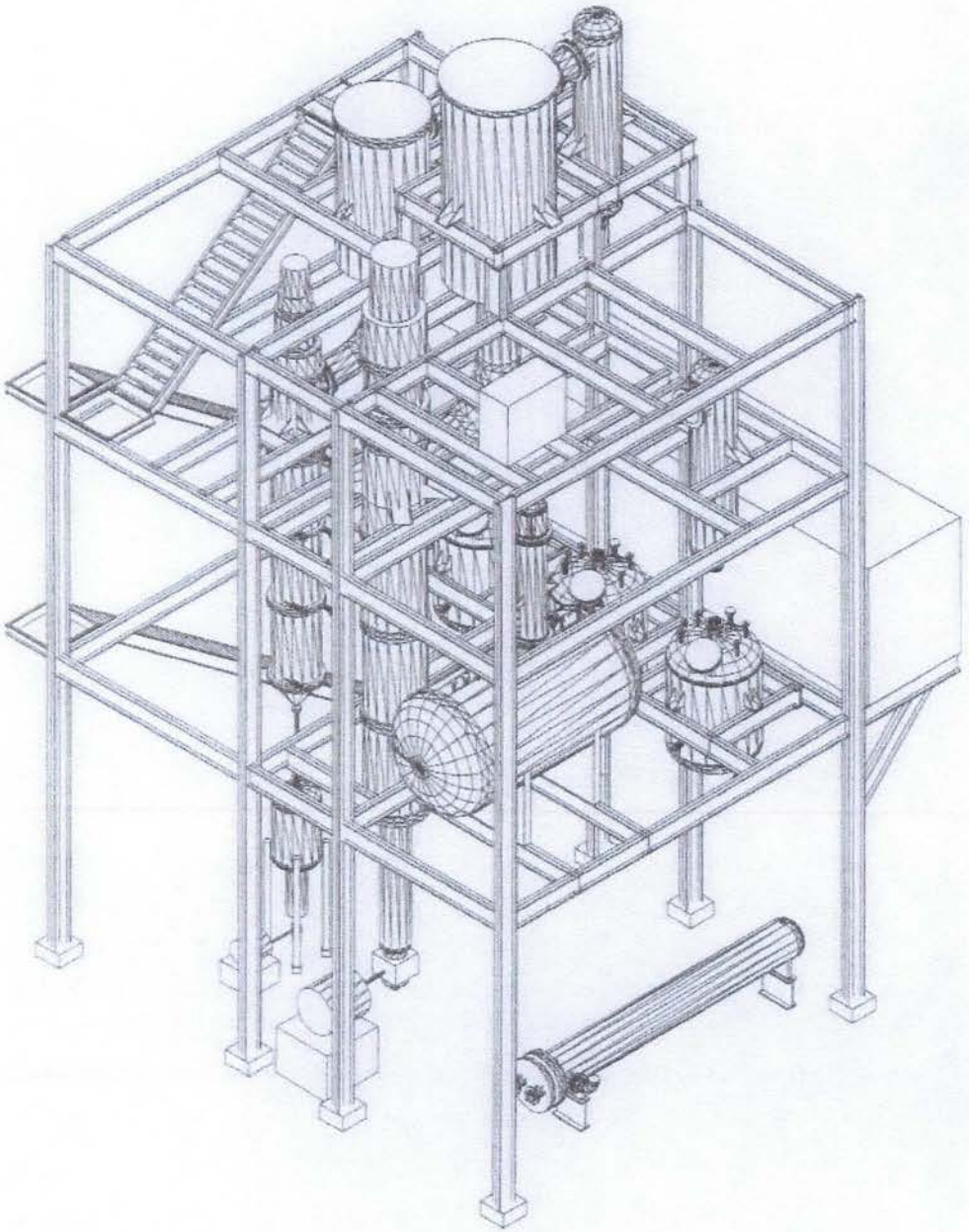


ISSUED
FOR APPROVAL
BY: CHO DATE 1/30/07

SOUTH-WEST ELEV-001
(ISOMETRIC)

EPAHO08900231

7

Section 7

Typical Finished Plant Arrangement

PESCO LUBE OIL PLANT IN OPERATION

Bango , NV

Dec 2006

Guard Tanks

Storage Tanks

for

Material

In / Out

EPAHO089000237

Atmospheric Distillation

Dehydration

Fuel

Stripping

EPAHO0890000239

Stage 1

Vacuum Distillation

Stage 2

Vacuum Distillation

EPAHO08900241

Polishing

EPAHO08900243

8

Section 8

CES Company Information

Company Background

CES Environmental Services, Inc. ("CES") was founded in January 1999 with a goal to provide excellent service and competitive pricing in the environmental services industry. CES has grown to 120 employees and expanded the scope of business to include logistics, recycling and chemical manufacturing.

CES currently offers a broad range of environmental services and recycling / manufacturing capabilities with a high level of vertical integration. These capabilities coupled with our dedication to customer service have driven explosive growth (Sales – 2006: $17 million; 2007: $29 million; 2008: $31 million). A company flier is attached.

The hydrocarbon recycling segment of the company has been in operation since 2005 and focuses on recovering base oil, black oil, and light ends (gas, diesel, and solvents) from various waste oil and organic waste streams.

Sales by Type

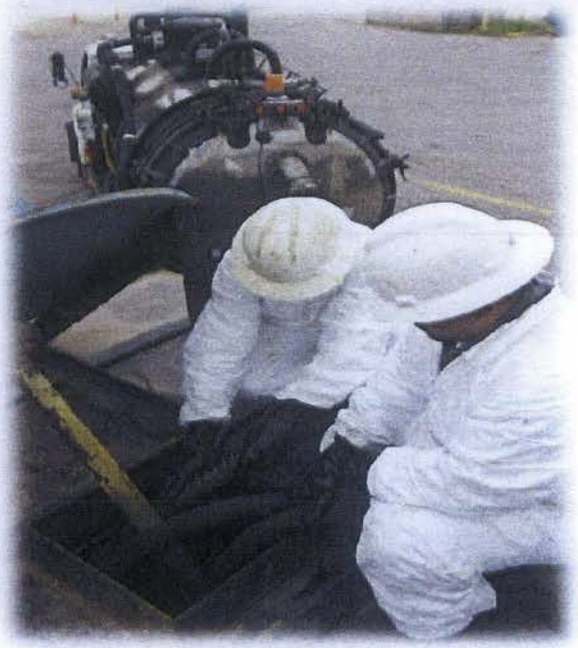
Tankwash	5%
Fields Services	3%
Logistics	23%
Treat and Dispose	34%
Recycle and recovery	34%
Total	100%

EPAHO0890000247

Tankwash

EPAHO08900248

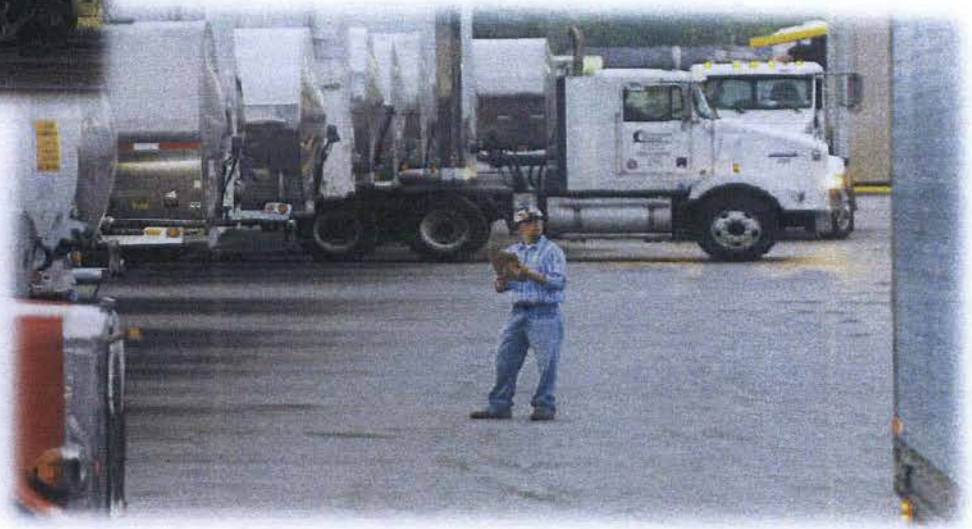
Field Services



EPAHO089000249

Logistics

Truck, Barge, Rail & Ship



EPAHO089000250

Treatment and Disposal

EPAHO089000251

Recycle and Recover

EPAHO089000252

Houston Facility

EPAHO089000253

Port Arthur Facility

EPAHO08900254

History

CES Environmental Services, Inc. was established in January of 1999 with a goal to provide excellent service and competitive pricing in the environmental services industry. CES has grown significantly over the last 9 years while maintaining that same goal.

CES offers a broad range of services with a high level of vertical integration. These services, coupled with our dedication to customer service, drive our explosive growth. Annual revenues are over $30 million and growing.

Field Services

- Tank, Pit and Sump Cleaning
- Vessel and Tower Cleaning
- Pressure Washing
- Remediation
- Chemical Cleaning
- Hydroblasting Services
- On-site Waste Treatment
- Separation Operations (Centrifuge)
- Waste Sampling, Testing and Analysis
- Air Machine Services
- Pond Cleaning
- Hydro Excavation
- Jet Rodder Services
- De-watering Operations

Tank Wash

On-site tank and container wash facility provides in-house and commercial tank and container wash services with:

- Five independent wash stations
- Steam heating and temperature monitoring
- Hot/cold water and caustic wash
- High pressure water systems
- Filtered air drying system for tank interiors

Main Facility

CES built an industrial wastewater pre-treatment plant to process, treat and dispose of non-hazardous and hazardous wastewater.

The filter presses remove solids from waste streams for economical bulk disposal. This type of equipment is also used to remove solids from products to meet customer specifications.

CES is a permitted transfer station for hazardous drums before they are shipped to the appropriate disposal facility in bulk.

Drums are emptied for bulk disposal and shredded or washed and recycled.

CES has two distillation units and a reverse osmosis unit for processing products and waste. These units have scrubbers/ vapory recovery systems in place to contain or eliminate odors in accordance with our Good Neighbor Policy.

Products

CES currently recycles/recovers/processes a growing list of materials:

- Acetic Acid
- Methylene chloride
- Ethylene glycol
- Caustics
- Methanol
- Mixed Alcohols
- Inorganic Acids
- Bleach
- Polystyrene
- Base Oil
- Used Oil
- Commercial Fuel
- Viscosity improvers
- Other various hydrocarbons

This segment of business has been growing rapidly as CES is in a unique position to meet both generator and consumer needs with our processing, recovery and transportation capabilities.

Quality Control

The processing facility lab analyzes wastewater prior to discharge to ensure compliance with city, state and federal regulations.

The processing facility lab provides treatability analysis for research and development purposes as well as analysis to certify that outgoing produc meet or exceed customer specification

By combining experience with treatability analysis, CES continues to find ways to save customers money while reducing the amount of hazardous waste disposed of in the environment.

EPAHO089000255

Oil Facility

The CES Oil Facility recovers light ends from water and recycles used oil.

CES utilizes vacuum distillation and centrifuge equipment to eliminate impurities and to reduce the water content of the processed oil to the ppm level.

Transportation and Containers

To effectively service its Customers , CES maintains the following fleet/equipment:

- **32 tractors**
- **10 vacuum trailers**
- **10 box vans**
- **40 tank trailers**
- **6 roll off trailers**
- **3 flatbeds**
- **3 air machines**
- **hazardous box vans**
- **vacuum boxes**
- **frac tanks**
- **roll-off boxes**
- **totes and drums**
- **3 barges servicing the Gulf Coast Region**

By maintaining and managing its own fleet, CES has a huge customer service and cost advantage over the competition.

Expansion Programs

A re-refining facility is currently under construction that will give CES the ability to produce base oil quality lubricants.

CES is establishing a subsidiary branch in Qatar to further expand our international business.

CES can also take Hazardous Wastewater with its new permit modification.

Additional upgrades to the existing equipment will expand sales and profits for recycling and disposal.

CONTACT US...

CES Environmental Services, Inc.
4904 Griggs Road
Houston , TX 77021

713-676-1460
www.cesenvironmental.com

Director of Sales and Marketing:	**Gary Lenertz**
International Sales:	**Ramiz Tafilaj**
Special Projects Manager:	**Clark Hickman**
Sales Representatives:	**Joy Baker** **Dan Bowman** **Gary Brauckman** **Dana Carter**
Customer Service/Inside Sales:	**Kim Harmon** **Al Longoria** **Morgan McCarley**

CES Environmental Services, Inc.

4904 Griggs Rd., Houston, TX 77021 713-676-1460

The primary goal of CES is to provide customers with compliant, safe, and cost-effective solutions to their hazardous and non-hazardous waste disposal and recycling needs.

CUSTOMER FOCUSED -
CES offers comprehensive, practical solutions for customer needs.

VERTICALLY INTEGRATED SERVICE LINES -
CES provides turnkey services to optimize efficiency and minimize costs.

OPERATIONAL FLEXIBILITY -
CES accommodates the needs of large and small customers

KNOWLEDGE OF WASTE MARKET -
CES offers flexible disposal alternatives and lower costs to customer.

INNOVATIVE RECYLCING ALTERNATIVES -
CES offers compliant waste minimization and recycling alternatives to lower cost for customers.

AGGIE 100

www.cesenvironmental.com

EPAHO089000256

EPAHO089000257

Section 9

Future Location of the

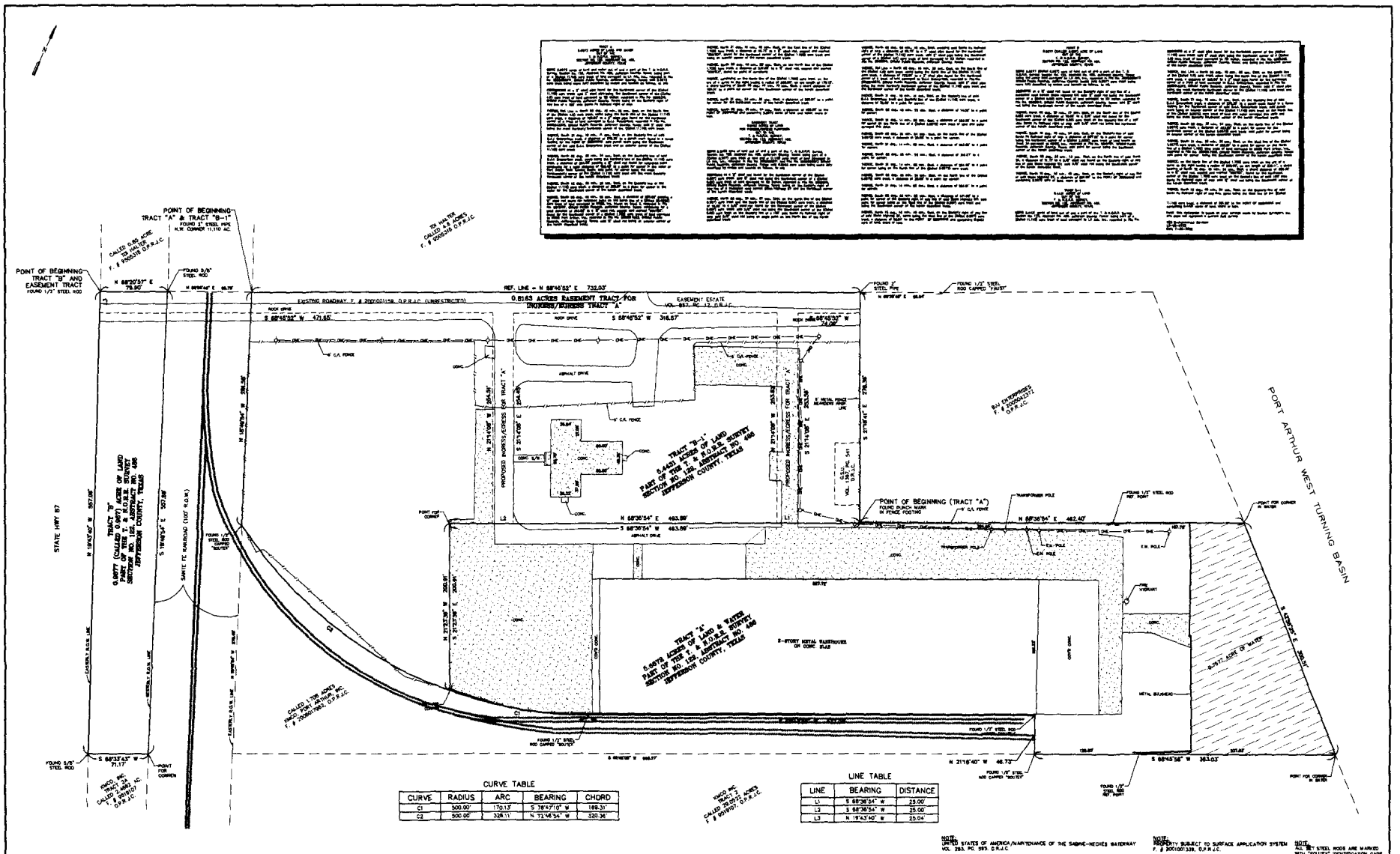
"Lube Oil Project"

Facility

"PACES Facility"

Port Arthur Chemical and
Environmental Services, LLC
2420 South Gulfway
Port Arthur, TX 77640

EPAHO089000260



CURVE TABLE

CURVE	RADIUS	ARC	BEARING	CHORD
C1	500.00'	170.13'	S 78°47'10" W	169.31'
C2	500.00'	328.11'	N 72°46'54" W	320.36'

LINE TABLE

LINE	BEARING	DISTANCE
L1	S 68°36'54" W	25.00'
L2	S 68°36'54" W	25.00'
L3	N 19°43'40" W	25.04'

NOTE: UNITED STATES OF AMERICA/MAINTENANCE OF THE SABINE-NECHES WATERWAY VOL. 283, PG. 593, D.R.J.C.

NOTE: PROPERTY SUBJECT TO SURFACE APPLICATION SYSTEM F. # 2001001339, O.P.R.J.C.

NOTE: ALL SET STEEL RODS ARE MARKED WITH "SOUTEX" IDENTIFICATION CAPS

DESCRIPTION OF SERVICES: PLAT & DESCRIPTION ONLY (NO CURRENT FIELD SURVEY)

SURVEYOR'S CERTIFICATION:

The undersigned does hereby certify that this survey was this day 7/22/08 made on the ground of the property legally described hereon and is correct, and that there are no discrepancies, conflicts, shortages of area, boundary line conflicts, encroachments, overlapping of improvements, easements or right of way, except as shown hereon, and that said property has access to and from a dedicated roadway. This survey is certified for this transaction only; it is not transferable to additional institutions or subsequent owners.

ANTHONY M. LEGER
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 6481

Census Tract: 118
FEMA Flood Zone: B & A11
Community Panel NO.: 485489-0045-E
Panel Date: 4/17/84

SOUTEX SURVEYORS INC.
3737 DOCTORS DRIVE
PORT ARTHUR, TEXAS 77642
(409) 983-2004 (409) 983-2005

ENCROACHMENT NOTES

SHEET TITLE
TRACT "A" – 5.6672 ACRES OF LAND & WATER, TRACT "B" (VACANT) – 0.9677 (CALLED 0.967) ACRE OF LAND, TRACT "B-1" 5.4431 ACRES OF LAND, AND EASEMENT TRACT – 0.8163 ACRE PART OF THE T. & N.O.R.R. SURVEY, SECTION NO. 122 ABSTRACT NO. 486 JEFFERSON COUNTY, TEXAS

PROJECT
CES ENVIRONMENTAL SERVICES
SOUTH GULFWAY DRIVE
PORT ARTHUR, TEXAS 77640

PROJECT NO: 08-0732
SCALE: 1" = 50'
PRINT DATE: 8/28/08
DRAWN BY: T. CHASE
CHECKED BY: BL
APPROVED BY: AML
SHEET 1 OF 1

EPAHO089000261

ER
8-5-09
N-1

Coals to Liquid Project Status

July 2009

EPAHO08900264

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"Coal to Liquids Project Status"

July 2009

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2	Quantex News Release (April 2009)
3	Quantex and CES Agreement Terms (June 2009)
4	Quantex News Release (December 2008)
5	NRCCE News Release (January 2009)
6	NRCCE Information from WVU
7	UT Arlington News Release (June 2009)
8	Possible Source of Funds

"Coal to Liquids Project Status"

July 2009

SECTION	TITLE
1	U.S. Government EIA Foreign Oil Dependency

Energy Information Administration
Official Energy Statistics from the U.S. Government

Energy in Brief — What everyone should know about energy

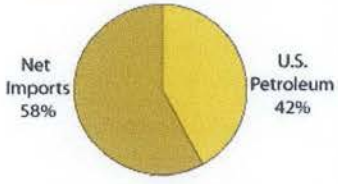
Last Updated: April 23, 2009

How dependent are we on foreign oil?

The United States imported about 58% of the petroleum[1], which includes crude oil and refined petroleum products, that we consumed during 2007. About half of these imports came from the Western Hemisphere. Our dependence on foreign petroleum is expected to decline in the next two decades.

Although we are the third largest crude oil producer, most of the petroleum we use is imported.

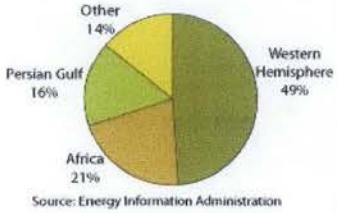
Net Imports and Domestic Petroleum as Shares of U.S. Demand (2007)



Source: Energy Information Administration

Western Hemisphere nations provide about half of our imported petroleum.

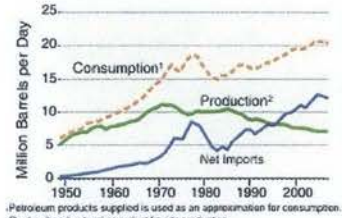
Sources of U.S. Petroleum Imports (2007)



Source: Energy Information Administration

Net imports have generally increased since 1985 while U.S. production fell and consumption grew.

Consumption, Production, and Import Trends (1950-2007)



[1] Petroleum products supplied is used as an approximation for consumption.
[2] Crude oil and natural gas plant liquids production.
Source: Energy Information Administration, *Annual Energy Review 2007*, Table 5.1. (June 2008)

The United States consumed 20.7 million barrels per day (MMbd) of petroleum products during 2007 making us the world's largest petroleum consumer. The United States was third in crude oil production at 5.1 MMbd. But crude oil alone does not constitute all U.S. petroleum supplies. Significant gains occur, because crude oil expands in the refining process, liquid fuel is captured in the processing of natural gas, and we have other sources of liquid fuel, including biofuels. These additional supplies totaled 3.6 MMbd in 2007. However, we still needed 13.5 MMbd of imported crude oil and petroleum products to meet U.S. demand. The United States also exported 1.4 MMbd of crude oil and petroleum products during 2007, so our net imports (imports minus exports) equaled 12.0 MMbd.

Did You Know?

The United States produces 10% of the world's petroleum and consumes 24%.

Petroleum products imported by the United States during 2007 included gasoline, diesel fuel, heating oil, jet fuel, chemical feedstocks, asphalt, and other products. Still, most petroleum products consumed in the United States were refined here. Net imports of petroleum other than crude oil were 10% of the petroleum consumed in the United States during 2007.

About Half of U.S. Petroleum Imports Come from the Western Hemisphere

Some may be surprised to learn that almost 50% of U.S. crude oil and petroleum products imports came from the Western Hemisphere (North, South, and Central America and the Caribbean including U.S. territories) during 2006. We imported only 16% of our crude oil and petroleum products from the Persian Gulf countries of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates. During 2007, our five biggest suppliers of crude oil and petroleum products were:

- Canada (18.2%)
- Mexico (11.4%)
- Saudi Arabia (11.0%)
- Venezuela (10.1%)
- Nigeria (8.4%)

It is usually impossible to tell whether the petroleum products you use came from domestic or imported sources of oil once they are refined.

Lower U.S. Petroleum Imports Expected in the Future

The Energy Information Administration (EIA) projects U.S. crude oil and petroleum products imports will decline from 12.1 MMbd in 2007 to 8.3 MMbd in 2030[2]. Growth in total U.S. petroleum consumption is expected to remain relatively flat out to 2030. Meanwhile, The increase in U.S. crude oil production in the Gulf of Mexico and elsewhere, combined with increasing biofuel and coal-to-liquids (CTL) production, is expected to reduce the need for imports over the longer term. U.S. petroleum import dependence is projected to fall from 58% in 2007 to 41% by 2030.

Learn More

- Oil Projections to 2030
- Top 15 Oil Suppliers
- Petroleum Basics 101

Printer-friendly page

Email this page

Share this page

[1] See the EIA Glossary for comprehensive definitions of "petroleum," "oil," "petroleum products," and "crude oil."
[2] Energy Information Administration, *Annual Energy Outlook 2009*, Table A11, DOE/EIA-0383(2009) (Washington, DC, March 2009).

EPAHO089000268

2

"Coal to Liquids Project Status"

July 2009

SECTION	TITLE
2	Quantex News Release (April 2009)

Quantex Energy Inc.

News Release - for immediate release

Quantex Energy Inc. Announces Letter of Intent for Coal Liquefaction Commercial Demonstration Unit at Port Arthur, Texas

April 8, 2009 - Calgary, Alberta, Canada - Quantex Energy Inc. ("Quantex" or the "Corporation") is pleased to announce that it has entered into a Letter of Intent with CES Environmental Services, Inc. and Port Arthur Chemical & Environmental Services, LLC ("CES/PACES") for the construction of a Commercial Demonstration Unit ("CDU") in Port Arthur, Texas (the "Project Site").

The CDU will allow the Company the opportunity to demonstrate its bio-hydrogenated, direct coal liquefaction technology, capable of converting coal to heavy oil for refineries and other high value carbon products such as green coke for the metals and aluminum industries. The CDU will use the patent pending direct liquefaction process (the "Quantex Process") developed by West Virginia University and licensed exclusively to Quantex.

"We are excited by the achievement of this major milestone in our coal liquefaction project," says Gilbert Chalifoux, President and Chief Executive Officer of Quantex. "We are very pleased that the energetic and focused team at CES/PACES are joining us in this venture."

The Project Site is located on property owned by CES/PACES and includes much of the required plant infrastructure including buildings, high voltage transmission lines and on-site utility services. The Project Site is ideally situated on the Gulf Intracoastal Waterway, with direct access to major rail and industrial highway corridors.

"PACES at Port Arthur is well suited for the CDU with a location near refineries, coal, water, and carbon products operations", says PACES President Matt Bowman. "The Project Site is located in an area with a strong skilled workforce, experienced technical support and a workable regulatory climate."

The conclusion of a definitive agreement is subject to the satisfaction of conditions customary for transactions of this nature including the receipt of certain approvals for the Project Site, the receipt of all necessary third party and regulatory consents and approvals and the final approval of the board of directors of both companies.

"We are on a fast track with this project," says Gordon Eberth, Chief Operating Officer of Quantex. "We wish to conclude on the definitive agreement by April 30, 2009 and begin development, permitting and regulatory activities shortly thereafter. Moving the project forward in Texas, the center of the American energy industry, also makes great sense to us. We are tremendously impressed with the positive attitude of the people involved. "

Development of the CDU will involve local stakeholder consultation and will be carried out in accordance with applicable regulatory requirements. Subject to receipt of the required permitting and regulatory approvals, financing, as well as equipment deliveries and construction schedules, the CDU is expected to prove the processes hydrogenation reactor as early as Q4/2009 or early 2010. The CDU will benefit from the environmental advantages of the Quantex Process which does not produce any CO2 nor consume any water within the process.

Mr. Chalifoux also states that: "This is an environmentally sound process that results in very little, if any, greenhouse gases as it is basically a wet process. Furthermore, projected capital costs are a fraction of other heavy oil technologies and we are confident the Quantex Process can be profitable at current prices".

Mr. Chalifoux concluded by saying, "We are pleased to have the opportunity to work with the people from CES/PACES to take the next step in bringing this technology to market so that we can do our part to contribute to energy independence for North America".

About Quantex Energy Inc.
Quantex is an international company headquartered in Calgary Alberta and focused on a new carbon to liquid technology. For more information about Quantex Energy Inc., please visit www.quantexenergy.com or please e-mail Gilbert.Chalifoux@quantexenergy.com or Gordon.Eberth@quantexenergy.com .

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About CES/PACES
Port Arthur Chemical & Environmental Services, LLC ("PACES") facility is located near Port Arthur, Texas and is on the Gulf Intracoastal Waterway. PACES is affiliated with CES Environmental Services, Inc. ("CES") of Houston, Texas and together provide services for commercial industrial wastewater treatment, oil recovery, and tank truck cleaning services. For more information about PACES or CES, please visit www.cesenvironmental.com or e-mail chickman@cesenvironmental.com .

CAUTIONARY STATEMENTS

Certain statements regarding Quantex Energy Inc. including management's assessments of future plans and operations, may constitute forward-looking statements under applicable securities laws and necessarily involve known and unknown risks and uncertainties, most of which are beyond Quantex's control. These risks may cause actual financial and operating results, performance, levels of activity and achievements to differ materially from those expressed in, or implied by, such forward-looking statements. Such factors include, but are not limited to: the impact of general economic conditions in Canada and the United States; industry conditions including changes in laws and regulations including adoption of new environmental laws and regulations, and changes in how they are interpreted and enforced; competition; the lack of availability of qualified personnel; fluctuations in commodity prices; fluctuations in foreign exchange or interest rates; the ability to access sufficient capital from internal and external sources; and obtaining required approvals of regulatory authorities. Accordingly, Quantex gives no assurance nor makes any representations or warranty that the expectations conveyed by the forward-looking statements will prove to be correct and actual results may differ materially from those anticipated in the forward looking statements. Quantex undertakes no obligation to publicly update or revise any forward-looking statements.

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"Coal to Liquids Project Status"

July 2009

SECTION	TITLE
3	Quantex and CES Agreement Terms (June 2009)

June 17,2009 **STRICTLY PRIVATE AND CONFIDENTIAL**

CES ENVIRONMENTAL SERVICES INC.
AND TO
PORT ARTHUR CHEMICAL ENVIRONMENTAL SERVICES LLC

Attention Matt Bowman:

Re: Draft Term Sheet for Participation.

As per our conversation on the subject I submit this term sheet for your comments so that it can forwarded to our legal for the drafting of the final documents. Please contact me at Gilbert.Chalifoux@quantexenergy.com with questions and for further discussion.

1. The Parties

Quantex Energy Inc. (QEI)

and

CES ENVIRONMENTAL SERVICES INC.
AND
PORT ARTHUR CHEMICAL ENVIRONMENTAL SERVICES LLC,
TOGETHER (CES/PACES)

The Mutual Interest in the Transaction
CES/PACES operate a chemical reclamation plant in Port Arthur, Texas that has spare room both under cover and in open space. The company also has excess utility capacity, access to high voltage lines, rail and road access, deep water port, security personnel and the desire to secure infrastructure for its proposed oil reclamation plant.

Quantex Energy Inc. is a coal to liquids conversion company that wishes to place a Commercial Demonstration Unit (CDU) on the spare space, both open land and under cover, at the CES/PACES site in Port Arthur. It wishes to take advantage of the other spare capacities that are available at the location.

The parties mentioned above wish to enter into a series of agreements whereby CES/PACES would support the efforts of QEI to build a CDU in Port Arthur to help commercialize the coal liquefaction process of QEI by extracting a heavy oil precursor from coal supplied by QEI. The in kind value of $20,000 per month ($720,000 in total over a three year term, or up to $1,200,000 should the project take up to five years to complete per Section 13), through the supply of space, utilities, materials, labor, expertise and experience at the site in Port Arthur will be in exchange for the right to knowledge allowing CES/PACES to develop and build modular plants that take advantage of the QEI process for coal liquefaction.

Review of the process. For clarity the process my not be made operational in its entirety at the CDU Corp site.

1. **Coal Preparation:** Transporting coal, diluent, the Depolymerization Agent (DPA) and Re-polymerization Inhibitor (RPI) by truck, rail, barge, ship (or any combination of these) to a plant site, and the combination of these into a coal slurry for charging to the Digestion Reactor (DR).
2. **Digestion**: The process using moderate heat and pressure to treat the coal slurry in a DR to create a Heavy Oil Precursor (HOP).
3. **Centrifugation**: Sending the HOP to a centrifuge to separate the gasifier fuel from a Heavy Synthetic Crude Oil (HSCO). The gasifier fuel can either be burned, or set aside as tailings.
4. **Distillation:** Treating the HSCO in a conventional distillation column to separate gases, light oils and pitch from the diluent, DPA and RPI. The Diluent, DPA and RPI are then recycled to create more coal slurry.

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5. **Delayed Coking**: Treats the pitch in a conventional delayed coker to separate green coke from a Synthetic Crude Oil (SCO) suitable for conventional refining.

2. The Deal

CES/PACES and QEI will enter into a series of agreements to make effective the LOI entered into March 6, 2009. The agreements are suggested to be:

1. A rental agreement (or lease) for the space and amenities at CES.
2. A management agreement with CES for the cooperative operation of the plant in CDUCorp. (See organizational structure below).
    a. CES will have input in the design to allow for flexibility such that the design will lend itself to the construction of the CES oil plant and to increase its potential value. For clarity QEI does not have to take action on any design consideration put forward by CES if it is not acceptable to the QEI design engineering team.
3. Agreements that manage the other elements of the deal not covered in the other agreements such as sale and purchase of assets, dealing with infrastructure left in place and licensing of the plant if it should go commercial.
4. License agreements at QTx, CDUCorp and CES/PACES
5. A management agreement with QEI for QEI to supply Chalifoux and Eberth to oversee QTx and CDUCorp and their operations.

The LOI is summarized below:

1. We have agreed to collaborate in a new venture.
    a. In this new venture:
        i. QEI will build and operate a commercial demonstration unit in Port Arthur
        ii. CES/PACES will design modules that can be used in place of traditional plants to make effective the QEI CTL (Coal to Liquids) process. Note, QEI has not committed to exclusively promoting the modular approach to the QEI CTL process but for clarity QEI will only promote the CES modular design but will not be limited to only modular designs in its discussions with prospects.
        iii. QEI will operate the CDU (commercial demonstration unit) in Port Arthur.
2. QEI has agreed to look for money in the range of $5 to $25 million.
    a. The money raise will be done through a subsidiary of QEI now known as QuanTexas. (QTx). See organizational Structure below.
    b. If QEI gets the money QEI will:
        i. Build and operate the commercial demonstration unit as specified above
        ii. CES will provide land and utilities for the commercial demonstration unit
    c. If everything works as expected:
        i. CES can expand the plant up to sixty thousand (60,000) barrels per day or build a new one in the Gulf Coast.
        ii. If they do this they will pay a license fee (based on a percentage of plant capex) and product royalties (based on a percentage of product revenue put through the plant) to Quantex that have yet to be negotiated.
    d. CES has the exclusive right to build modular units and sell them to customers (who choose to buy them) once they have been licensed by QEI to a maximum of 30,000 barrels per day per plant
    e. CES has exclusive rights to sell the plants worldwide up to 30,000 barrels per day per plant.
    f. Customers who buy the plants from CES must first license them from QEI under terms negotiated exclusively with the end user of the plant and QEI, similar to those described in 2. C. ii. above.
    g. QEI will have the exclusive right to market the QEI CTL process both in the USA and globally. CES/PACES shall have no involvement in the marketing of the QEI/CTL process.
    h. Both CES and QEI can use the demonstration unit to demonstrate the process to potential licensees.

these rights & survive any change in ownership of QEI/QTx

QEI/QTX
to provide insurance for @
EDU + any contractors on site
+ will observe all Pacific Safety
+ Security/Twix requirements

i. QEI and QTx have the right to separately negotiate for the construction of more traditional plants independently of CES as long as they are not modular.
j. QEI customers have the right to do whatever they want when building a plant but we cannot promote any other modular design. QEI will outline both stand-alone and modular plant design concepts to prospective clients.
k. We will cooperate to get government research money. If money is secured, CTL-related research will be done by QEI and under QEI control, however modular plant development and research would be under CES control.

3. Other agreements in the LOI.
   a. QEI will do the first draft of the agreement
   b. CES will not compete with QEI or QTx for five years.
   c. CES will sign a nondisclosure in the agreement. This NDA expires five (5) years after the expiration of last patent either in place now, or developed in future, and owned by Quantex and/or West Virginia University concerning this process.
   d. QEI can do due diligence on CES/PACES.
   e. CES/PACES can only do due diligence on the license agreement we have with WVU and on the technology but not on QEI.
   f. QEI can go to Port Arthur whenever we want to do our due diligence. We will make ourselves available to discuss what we find at Port Arthur during the due diligence.
   g. Texas law will govern the definitive agreement.
   h. Non-solicitation of QEI or QTx customers, employees, suppliers or research relationships.

Other details of the deal as specified below:

1. CES/PACES will enter into a rental agreement to act as landlord for QEI for an amount not to exceed $1,200,000 in kind through the provision of:
   a. Land under cover or in the open, as appropriate, for the CDU liquefaction reactor and related processes. If CDUCorp is required to construct cover, that will be owned by CDUCorp.
   b. Land nearby to the under cover facility to place other related processes to the coal liquefaction Digestion reactor such as centrifugation, distillation, coal handling and storage for coal and output products for the CDU.
   c. Space for an office trailer on the plant site and near the CDU.
   d. Site access and limited CDU required utilities at no cost during construction and until the CDU goes operational, at which time the CDU will pay the expense of utilities.
   e. Supervisory personnel required to provide security
   f. Other suitable personnel if available and approved by QEI to facilitate the build, testing and operations of the CDU.
2. CES/PACES will:
   a. Provide engineering and administrative resources if available and approved by QEI at an agreed rate to be reimbursed to CES to aid in the construction and operation of the CDU.
   b. CES/PACES will allocate resources to be members of the QEI project monitoring group as determined in cooperation with CES/PACES and QEI to observe and understand the engineering detail of the process. This will help CES/PACES by delivering to CES/PACES intellectual property owned by QEI under license from West Virginia University and sub licensed to CES/PACES for the purpose of developing modular plants.
3. CES/PACES will not make press releases in respect of the project involvement.
4. CES/PACES will enter into purchase agreements, if deemed suitable and serves the purposes of both parties, for the purchase of certain plant components such as distillation columns, pumps, equipment, steel, or any other material that might be used in the construction of the CDU under the following terms and conditions:
   a. At Fair Market Value (FMV) at both the start and end of the project.
5. CES/PACES will not take any action to circumvent any licenses granted to them.
6. CES/PACES will agree to a non circumvention agreement that states they will not approach the researchers of the process without the awareness of QEI.

QEI/QTx

$ ~~[illegible]~~ 5/month

unless add security is required.

Not to exceed $3 to/month

7. CES will only be able to sell a modular plant to an end user organization that has been pre-licensed by QEI. For clarity CES/PACES will not sell plants directly to end users and then work to have them licensed.
8. CES/PACES will not sell modular plants into territories that are not protected by patents on the QEI/WVU subject technology.

3. Organizational Structure

QEI intends to establish QuanTexas as an LLP in Texas, 100% owned by QEI. QEI will contribute Intellectual Property to QTx and a license for the IP on an exclusive basis to QTx.

QEI intends to sell equity in QTx on a private placement basis. These investors will own approximately 30% of QTx, with QEI owning the balance.

QTx will establish a subsidiary (CDU Corp) to build and operate the CDU; another LLP owned 100% by QTx. As such, with CDU Corp 100% owned by QTx there will be no governance issues arising from different ownership structures of the two LLP's.

It is acknowledged that CES/PACES has the ability to contribute major structural components of the CDU that will be owned by QTx. If these components are made available to CDUCorp by CES/PACES then:

1) QTx or CDU Corp will make reasonable efforts to purchase or lease at fair market value the major components such as distillation columns and hot oil units, if suitable, from CES. CES will agree to buy them back at fair value when the CDU is wound down.
2) The terms of disposition will be negotiated in advance.

4. Disposal of Assets of CDUCorp

The parties acknowledge that it is the intention of QEI to dismantle and dispose of the assets of CDUCorp at the end of the project period. When this occurs then:

1. QTx will dispose of the assets of CDUCorp and the funds will go to QTx.
2. CES/PACES can agree to buy the plant and grow or operate it under a new license to be negotiated between CES/PACES and QEI. This could be in addition to the plant described in 2.c.1 on Page 2, subject to a royalty agreement as in 2.c.2 on Page 2.
3. CES can purchase the plant at Fair Market Value (FMV) and convert it to some other use but not operate it as a CTL plant unless they have a license to do so.
4. It is acknowledged by the parties that certain infrastructure such as civil works and steel infrastructure will remain at the Port Arthur site and that these may be purchased from CDUCorp by CES/PACES at FMV or the infrastructure will lay dormant until such time as the facility is sold or that CES makes use of it at which time a sale at FMV will occur. If there is no use for some of the equipment and CES needs the land, CDUCorp will remove the unwanted equipment.]

5. Ownership of Intellectual Property (IP)

1. All IP licensed to QTx and CDU Corp will be 100% owned by QEI
2. Any IP developed independently by CES/PACES in respect of modular plants will be owned by CES/PACES
3. CDU Corp will not engage in any research at the site as the plant will be pre-engineered, but CES may develop patentable technology for modular units that will be theirs.
    a. Other licensees will not be prohibited from developing modular systems but QEI will not license any other manufacturer of modular plants for the process.
    b. Any QEI or QTx licensee would always be free to build conventional plants.
4. IP developed at CDUCorp where CES/PACES can claim a partial ownership by having initiated ideas that lead to new IP
    a. Ownership would transfer to QEI at a negotiated price
    b. CES/PACES would benefit from any cash flow associated with that IP.

How?

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c. CES/PACES can take equity in QTx as payment for the IP developed by CES/PACES at the CDU site to a maximum of 5%

5. Any IP developed by QTx and its licensees will be 100% owned by Quantex. This will benefit all licensees as any new IP developed elsewhere will flow back to them as well, meaning obtaining a license to the Quantex Process guarantees the latest advances are available to all.

6. Operational Control of the CDU and Management Agreements for CDUCorp

QTx and by extension QEI will be responsible for operational control of the businesses of both QTx and CDUCorp.

7. Licenses

1. License agreements at QTx and CDUCorp
    a. AT CDUCorp on a limited use basis. License provided by QTx
        i. To operate the CDU as a demo facility
            1. Time limited to the time that we get free accommodation at Port Arthur
            2. Size limited. It can only grow beyond a demo plant with the issue of a new commercial license.
            3. Product limited
                a. Demonstration product only
                b. Commercial products only with permission from QEI and the issue of a new license.
        ii. To do deliberate research on the process
            1. To cooperate on liquefaction research that might result in new patents or processes that
                a. Would provide benefit to QEI in respect of process improvements and as such would be owned by QEI
                b. Would provide benefit to CES/PACES in respect of modular plants and as such would be owned by CES/PACES
        iii. To use and take advantage of the Intellectual Property (IP) of QEI and limits how the QEI IP is used.
    b. At CES/PACES on a limited use basis. License provided by QEI.
        i. To do research on the development of modular units
        ii. To observe and use the process for purposes of developing modular plants
        iii. To use and take advantage of the Intellectual Property (IP) of QEI from point (ii)
        iv. The right to sell modular units world-wide that were developed using the IP of QEI, QTx
            1. This right would be limited during the construction and startup stage of the CDU so that QEI and QTx can protect their exclusive license and control the marketing of the QEI licensed CTL process.
            2. Once marketing is initiated CES/PACES will have the right to use the CDU to aid in the sales and marketing of their modular units and to demonstrate the technology to pre-approved license holders of the QEI process as determined exclusively by QEI.

8. Funding

1. QTx will raise US $5 – 25 million to fund construction of the CDU from private investors.
2. QEI and or QTx will apply for Government funding in the US for purposes of constructing and or operating the CDU in CDUCorp and for research into process improvements.
3. CES/PACES may apply for government of other types of funding independent of QEI or QTx.

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9. Permitting and Due Diligence

The parties wish to specify the due diligence process by which they will undertake to proceed to developing an engineering plan and thereafter determine the validity of building a CDU on the CES/PACES site. The parties will:

1. Perform a technical review of the process from documents supplied to CES/PACES from QEI and its supporting engineers: These documents will be provided under NDA.
2. Apply for and secure environmental permitting for the CDU at the proposed locations within the plant site at Port Arthur.
3. Secure local permitting for construction of the CDU
4. Review the opportunity with Technical, Energy and Financial analysts engaged by QEI for the purpose of this review and the funding effort.
5. Secure adequate funding for the CDU. The adequacy of funding is at the sole discretion of QEI.
6. CES/PACES will use their commercial best effort to secure environmental permitting ahead of the deal closing. If the permitting has not been received then QEI or QTx will seek an extension until the permitting has been secured. For clarity this means that without the required permits for the CDU QEI or QTx has little to no motivation to conclude on the deal.

QTx to provide ~~all~~ Pay for all regulating permit requirements

If after a due diligence review the site is found to be inadequate, the deal will disband and each party will be responsible for their own costs.

10. Representations

1. QEI and CES/PACES will make representations and warranties as customary in transactions of this nature.
2. Neither QEI nor any of its operating companies will assume any liabilities of CES/PACES.
3. QEI, QTx and CDU Corp will remain at arms length from CES/PACES.

Reciprocity

11. Responsibility for Fees and Costs

Each of the parties shall each be responsible for their own costs and legal, accounting and other professional fees incurred in connection with the agreements, the execution and negotiation or preparation of any of the documents contemplated by the deal or otherwise relating to any term sheet or definitive agreement for the proposed Transaction.

12. Timing

This industry is developing rapidly. In order for QEI to maximize the long-term value of the opportunity, it is imperative that we complete the transaction and commence project development as soon as possible.

13. Performance Expectations

Both parties agree that this agreement is built on expectations of successfully proving the Intellectual Property, Commercializing the Quantex Process, and designing modular plants. It is agreed that QEI will prove the IP at Port Arthur within three years of the signing date of the Definitive Agreement, and will sell its first commercial license within five years of signing the Definitive Agreement. It is further agreed that CES will complete a viable modular design within two years of the sale of the first commercial license by QEI, and will sell its first plant within three years of the sale of the first commercial license.

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Failure by either party to achieve these objectives within the specified periods will grant the other party the right to cancel this agreement.

14. Assignment

This Agreement shall not be assigned or transferred in whole or in part, either voluntarily or by operation of law, without the written consent of the other Party being first obtained, except in the case of an assignment between parent and subsidiary of the assignor. Subject to the provisions hereof this Agreement shall inure to the benefit of and be binding upon the successors and assigns of each of the Parties hereto.

15. Governing Law

The Laws of the State of Texas will govern the various agreements.

16. Closing

The parties acknowledge that this Term Sheet is not, and is not intended to be, a binding agreement between QEI and CES/PACES, and neither shall have any liability to the other until the various agreements are executed.

All parties to this Agreement agree to proceed in good faith toward negotiation and execution of a Definitive Agreement and the other supporting agreements as soon as possible.

Yours very truly,

Gilbert Chalifoux
CEO, Quantex Energy Inc.

Quantex Energy Inc.

By: _____
Name: G. C HALIFOUX
Title: CEO
I have authority to bind the Corporation

CES/PACES.

By: Matt Bowman
Name: Matt Bowman
Title: President
I have authority to bind the Corporation

6/17/09

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4

"Coal to Liquids Project Status"

July 2009

SECTION	TITLE
4	Quantex News Release (December 2008)

Why the Quantex Process Produces Cheaper and Cleaner Crudes

We convert coal to heavy crude by dissolving coal in a heated solvent spiked with hydrogenated oil, removing the mineral matter and distilling it till it becomes pure crude.

There is no need to handle gaseous hydrogen on site, since hydrogen is not used. Instead, Quantex uses aggressive liquids and moderate temperatures to break apart coal molecules in processes referred to as "Thermocracking" and "depolymerization."

Previous processes required pressure of thousands of pounds per square inch, whereas Quantex has succeeded in demonstrating their process at only a few hundred pounds per square inch, well below previous requirements.

The Quantex process has avoided the need to sequester carbon dioxide during the production process because none is produced.

The Quantex coal conversion process uses North American coal to produce heavy crude oil which can be refined just like petroleum. The simple idea is to convert coal to a liquid using minimum time, energy and pressure, just to the point where North American petroleum refineries can use it to make clean finished products including gasoline, diesel, aviation fuel and others.

Researchers familiar with the process are convinced that this method is simpler and cheaper than previous technology. "In World War II, processes were developed that used explosive hydrogen gas at thousands of pounds per square inch pressure to chemically react with coal, producing liquids.," explains Al Stiller, Professor of Chemical Engineering at West Virginia University. "We skip that process entirely. We use only 200 pounds per square inch pressure—about the same pressure achieved in an ordinary air compressor, and not much higher than the tire pressure of a sports car--and zero gaseous hydrogen. Instead, we add a few percent of agricultural products to the coal under mild heating in order to depolymerize and pyrolyze (fragment) the coal molecules. This allows the coal to become liquid, thus allowing coal to be processed using existing petroleum refining technologies." West Virginia University and others have been supported by the Department of Energy to develop coal conversion technology over the past several years, resulting in a portfolio of publications and patents.

"We were looking for the most environmentally sound process," adds Gilbert Chalifoux, CEO of Quantex Energy Inc, which has licensed the process from West Virginia University. "What attracted us to WVU is that their methods of producing high quality synthetic crude oil, and pitch and coke products for the metals industry, results in very little if any suspected greenhouse gas air emissions, since it is basically a wet process. Moreover, this results in higher purity coke and pitch compared to current petroleum-fed methods. It is a little counterintuitive, but we believe that coal can in many instances be a much cleaner source of oil than conventional petroleum processes, and at a fraction of the cost."

Date: 03 December 2008

CONFIDENTIAL

Quantex Energy Inc.

A World-Changing Process to Convert Global Coal Deposits to Synthetic Crude

- A breakthrough Coal-to-Liquids (CTL) technology, developed by West Virginia University, with the support of the Department of Energy. World-wide license held by Quantex Energy Inc.
- Engineering underway for Commercial Demonstration Unit (CDU) that can be located at Port Arthur.
- The most environmentally friendly means to produce non-conventional oil in existence today.
- Proven yields in the range of 4 barrels of synthetic crude oil (SCO) per ton of typical American sub-bituminous coal, plus high-quality carbon by-products. Texas lignite can be included in the coal blend.
- SCO easily refineable in Texas, offering a secure source of feedstock for the future, and less reliance on imported crudes.
- Texas is the best place to produce modular, transportable microrefineries which would be sold to coal mining companies around the world.
- A Texas-based industry would create jobs in manufacturing and engineering CTL plants, new refineries, and coal mining.
- Global application as the best alternative to conventional oil.
- Co-product coke and pitch urgently required by the electric steel-making and aluminium industry in the USA. Our products already tested and approved.
- Capital costs approximately 25% of Alberta oil sands.
- Operates at very low temperatures and pressure, reducing costs and simplifying engineering.
- Produces no carbon dioxide, and requires no hydrogen or water in the transformation to SCO.

Date: 05 December 2008

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5

"Coal to Liquids Project Status"

July 2009

SECTION	TITLE
5	NRCCE News Release (January 2009)

National Research Center for Coal and Energy

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NRCCE News

Announcements

WVU Experts Meet with Chinese Coal to Liquids Leaders

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Morgantown, W.Va.—Seven officials from China's leading research and corporate energy organizations met today with West Virginia University faculty and U.S. Department of Energy and National Energy Technology Laboratory leaders to discuss advances in converting coal to transportation fuels while capturing and storing carbon dioxide emissions.

The meeting was organized by the U.S. China Energy Center, a program of the National Research Center for Coal and Energy (NRCCE) at WVU. The Shenhua Group in China is developing the world's first commercial direct coal liquefaction (DCL) plant in northwestern China at a cost of about $1.5 billion. With support from the U.S. Department of Energy, WVU and Shenhua Group have been evaluating the economic and environmental impacts of the DCL technology.

While commercial coal to liquids processes exist, those processes are known as indirect coal liquefaction and require breaking down coal into molecules of carbon monoxide and hydrogen which are building blocks that are then processed into diesel fuel. Direct coal liquefaction processes attempt to bypass the breakdown of the coal into such small molecules to make liquid fuels directly.

Elliot Kennel (left), research professor in the Department of Chemical Engineering, describes for Wu Xiuzhang (right) and his colleagues the process developed at WVU to convert coal directly to liquids at low temperature and pressure. Coal liquefaction typically requires high temperature and pressure which translates into higher cost. Wu is the deputy chief engineer of the Shenhua Group of China. Wu and his colleagues met with experts at WVU under a U.S. Department of Energy agreement between the organizations to share information and expertise.

Jerald Fletcher is director of the U.S. China Energy Center at WVU. He and research assistant professor Qingyun Sun of the Natural Resource Analysis Center at WVU will be assessing the economic and environmental impacts of the plant and analyzing the technology transition. Information gained by the researchers will be shared with those in the U.S. to help promote the transfer clean coal technologies.

"Converting coal to transportation fuels in an environmentally safe way requires knowledge from many different kinds of experts," Fletcher said. "Faculty from the departments of

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Chemical Engineering, Geology and Geography, Mechanical and Aerospace Engineering, and Resource Management have been part of an agreement to discuss various aspects of coal to liquids with our guests."

WVU has been working with the U.S. Department of Energy and the China National Development and Reform Commission under an agreement known as the Protocol on Cooperation in the Field of Fossil Energy Technology Development and Utilization since 2002.

"Even with oil at about $40 per barrel we need to consider the long-term ability to provide a sufficient source of liquid fuels on a global scale, including alternative means such as coal to liquids," Lowell Miller, director, of the US DOE Office of Sequestration, Hydrogen, and Clean Coal Fuels said. "Under our agreement, we're helping the Chinese acquire environmental expertise on carbon dioxide capture and storage to address climate concerns. The Chinese are helping us gain economic and environmental data and operating experience in regard to building and running a novel coal to liquids plant not seen before. This information could be very helpful to the U.S. if we were ever to build a similar plant here," Miller said. Wu Xiuzhang, deputy chief engineer for the Shenhua Group is leading the delegation from China. He said, "cooperation between the U.S. and China, and especially with West Virginia University, is very valuable and has been very successful so far."

U.S. experts said that the Shenhua Direct Coal Liquefaction plant will likely be well suited to a large-scale international-class carbon capture and storage project. Fletcher and his colleagues, WVU professor Tim Carr and Julio Friedman of Lawrence Livermore National Laboratory, noted that the Ordos basin in China, where the plant is under construction, has the geological resources necessary to support a sequestration project.

[View Group Photo]

Chinese participants included:

- Wu Xiuzhang, deputy chief engineer, Shenhua Group;
- Ren Xiangkun, vice president, Beijing Research Institute, China Shenhua Coal to Liquid & Chemical Co., Ltd.;
- Zhang Yousheng, deputy director, Energy Research Institute, China National Development and Reform Commission;
- Bu Xuepeng, branch director, Beijing Research Institute, China Shenhua Coal to Liquid & Chemical Co., Ltd.;
- Cui Yongjun, senior engineer, Beijing Research Institute, China Shenhua Coal to Liquid & Chemical Co., Ltd.;
- Tan Yongjie, chief engineer, Development and Research Center, China Geological Survey; Zhang Jiaqiang, professor, Development and Research Center, China Geological Survey; and
- Sheng Jie, senior translator, China Shenhua Coal to Liquid & Chemical Co., Ltd.

WVU participants included:

- Richard Bajura, director, National Research Center for Coal and Energy
- Jerald Fletcher, professor, Div. of Resource Management and director, U.S. China Energy Center
- Tim Carr, Marshall Miller Professor, Dept. of Geology and Geography
- Elliot Kennel, research professor and John Zondlo, professor, Dept. of Chemical Engineering

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- Curt Peterson, vice president, Office of Research
- Nigel Clark, professor and Hailin Li, assistant professor, Dept. of Mechanical and Aerospace Engineering
- Doug Patchen, director, Petroleum Technology Transfer Center at NRCCE and chief geologist, West Virginia Geologic and Economic Survey
- Tim Phipps, professor and director and Mark Sperow, associate professor, Div. of Resource Management
- Graduate students Marc Mulkey, Chali Nondo, and Hui Su of the Div. of Resource Management and Guochang Wang of the Dept. of Geology and Geography

U.S. DOE participants included:

U.S. DOE Office of Sequestration, Hydrogen, and Clean Coal Fuels
- Lowell Miller, director
- Mark Ackiewicz, program manager

National Energy Technology Laboratory
- Daniel Cicero, technology manager
- Venkat Venkataraman, program manager
- Dawn Deel, program manager
- George Guthrie, focus area leader
- Erik Shuster, engineer
- Maria Vargas, deputy director
- Margaret Lou, deputy director

Lawrence Livermore National Laboratory
- Julio Friedman, carbon and international programs

Advanced Resources International, Inc. participants included:

- George Koperna

Posted January 15, 2009

"West Virginia Can Lead Transition to a Low-Carbon Future"

***The State Journal*, pg. 19, column by Carl Irwin**

Morgantown, W.Va.—Carl Irwin, director of the Industries of the Future--West Virginia program of the NRCCE, calls for West Virginia to be a leader in low-carbon energy technologies in his guest column which appears in the January 9 edition of *The State Journal*.

To read the article online visit the following *The State Journal* web site link: http://www.statejournal.com/story.cfm?func=viewstory&storyid=49729.

Posted January 13, 2009

WVU Minute Video

The West Virginia University National Research Center for Coal and Energy, or NRCCE, is conducting programs to secure our nation's energy and protect our environment. **View the NRCCE WVU Minute**

Industries of the Future-West Virginia, a partnership between WVU's National Research Center for Coal & Energy and the West Virginia Development Office, is helping state industries become more efficient. **View IOF-WV WVU Minute**

Part of WVU's National Research Center for Coal and Energy, the West Virginia Water Research Institute is developing treatment technologies to restore waterways damaged by early mining operations. **View WVWRI WVU Minute**

Currents Newsletter

To view opportunities for conferences, seminars, workshops, calls for papers and the occasional RFP view the latest Currents Newsletter. [MSWord Doc] For past issues view the Currents Newsletter archives.

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"Coal to Liquids Project Status"

July 2009

SECTION	TITLE
6	NRCCE Information from WVU

National Research Center for Coal and Energy

About the NRCCE

More Than Our Name Implies

The **National Research Center for Coal and Energy** advances ideas about energy and the environment through the conduct of research, technology transfer, and information dissemination activities. text size AAA AAA

We are:

- **a research center** and
- **an information clearinghouse**

located at one of our nation's leading research institutions serving the citizens of its home state and of the nation—**West Virginia University**.

Mission/Vision

We are dedicated to:

- **securing our nation's energy needs** and
- **protecting our environment**

Energy is an economic engine. Economies that are sound are better able to protect the environment. Understanding this, our vision is of a nation with abundant energy and a healthful environment that is economically vibrant.

Expertise

We create and disseminate knowledge and technologies on:

- the development, delivery, and use of clean, efficient, abundant energy, especially **fossil fuel-based energy**
- the delivery, use, and protection of **water quality** and quantity, especially related to mining and industrial applications and for residential use in rural communities
- the protection of **air quality** through energy conservation and alternative transportation vehicles
- the management of **solid waste**, especially in industrial applications and in small, rural communities, and
- the reclamation of **land** affected by mining and industrial applications

Our unique collection of programs makes the NRCCE a valuable marketplace for solutions to America's energy and environmental problems.

Partners

We carry out our mission by working with others on campus, within the state, and across the nation. **Our partners include**:

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- **WVU research faculty** from WVU's Eberly College of Arts and Sciences; Davis College of Agriculture, Forestry, and Consumer Sciences; College of Engineering and Mineral Resources; College of Business and Economics; and others at WVU. These faculty conduct NRCCE-related research at facilities within their respective colleges and departments and at laboratories and facilities located at the NRCCE itself, such as the NRCCE's high bay facility.
- Colleagues at **other universities** such as The Virginia Polytechnic Institute and State University, The Pennsylvania State University, University of Kentucky, Auburn University, University of Pittsburgh, and others.
- Colleagues in **state, federal, and local community agencies** such as the U.S. DOE National Energy Technology Laboratory, and the West Virginia Development Office.
- Colleagues in **industry**.

Programs

We operate through a collection of quasi-independent programs, each having its own specific mission in support of its sponsors. **Our programs include**:

- U.S. Department of Energy Experimental Program to Stimulate Competitive Research
- Consortium for Fossil Fuel Science
- National Alternative Fuels Training Consortium
- Industries of the Future—West Virginia
- Appalachian Oil and Natural Gas Research Consortium
- Petroleum Technology Transfer Council
- Coal Mine Methane Project
- Center for Advanced Separations Technologies
- West Virginia Water Research Institute and its programs: National Mine Land Reclamation Center, Combustion Byproducts Research Consortium, Appalachian Clean Streams Initiative, Acid Drainage Technology Initiative, State Water Institute, U.S. EPA Experimental Program to Stimulate Competitive Research, National Environmental Education Training Center, Institute for Industrial Decommissioning, Monongahela Basin Mine Pool Project
- National Environmental Services Center and its programs: National Drinking Water Clearinghouse, National Small Flows Clearinghouse, National Onsite Demonstration Program, National Environmental Training Center

Leadership

- **Richard A. Bajura**, Director, National Research Center for Coal and Energy
- **Al Ebron**, Executive Director, National Alternative Fuels Training Consortium
- **Carl Irwin**, Director, Industries of the Future - West Virginia
- **Gerald Iwan**, Director, National Environmental Services Center
- **Doug Patchen**, Director, Appalachian Oil and Natural Gas Research Consortium and Petroleum Technology Transfer Council
- **Frank Saus**, Associate Director, Center for Advanced Separation Technologies
- **Trina Karolchik Wafle**, Associate Director, National Research Center for Coal and Energy
- **Paul Ziemkiewicz**, Director, West Virginia Water Research Institute

Funding

The NRCCE's programs total between $14 million to $16 annually. Program funds are from

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state, federal, and private sources.

State funding

The NRCCE receives an annual allotment of University state funds, a portion of which allows the NRCCE to provide modest amounts of cost-sharing or seed funds for faculty research typically in the $10,000 to $25,000 range. Faculty who wish to have their projects considered for such funding may first discuss their requests with an NRCCE program manager or the NRCCE director and then submit a written request through their chair and dean to the NRCCE director. A memo including a brief description of the proposed work, amounts of funding being sought from other sources, and the amount requested from NRCCE should be signed by the faculty member, his or her chair, and his or her dean and then submitted to the NRCCE Director's Office.

The NRCCE also uses its University funds to cost share programs coordinated by the NRCCE such as the Consortium for Fossil Fuel Science, the West Virginia Water Research Institute, Industries of the Future-West Virginia, and the DOE EPSCoR programs.

Other sources of state funding for NRCCE activities include the West Virginia Development Office, the West Virginia Department of Environmental Protection, the West Virginia Division of Natural Resources, the West Virginia Department of Health and Human Services Bureau for Public Health, and others.

Federal funding

The majority of NRCCE's funds are from federal sources received through the coordination of large, team-oriented proposals to federal agencies. These agencies include the U.S. Department of Energy, the U.S. Environmental Protection Agency, the U.S. Geological Survey, the Office of Surface Mining, the Rural Development Authority, and others. The proposals may include WVU faculty and researchers at other private or public organizations.

Private funding

The NRCCE partners with industry on the submission of large, team-oriented proposals in which industry partners may provide "in-kind" cost share funding. Industry sources may also sponsor research activities individually or as part of a larger effort. For example, the NRCCE's Appalachian Oil and Natural Gas Research Consortium received cash contributions for research on the Trenton-Black River gas play from the following companies:

- Abarta Oil & Gas of Pittsburgh, PA
- Belden & Blake Corporation of North Canton, OH
- CEJA Corp. of Tulsa, OK
- CGAS of Columbus, OH
- Compton Petroleum of Calgary, Alberta, Canada
- EOG Resources of Canonsburg, PA
- Equitable Productions of Pittsburgh, PA
- Fortuna Energy, Inc. of Horsehead, NY
- Great Lakes Energy Partners of Hartville, OH
- North Coast Energy of Ravenswood, WV
- Petro Evaluation Services of Wooster, OH
- Pioneer Natural Resources of Irving, TX
- Schlumberger HRT of Pittsburgh, PA

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- Seneca Resources of Houston, TX
- Texas Keystone Inc. of Pittsburgh, PA
- Ultra Petroleum Corporation of Houston, TX
- Vintage Petroleum of Tulsa, OK

The NRCCE's Industries of the Future—West Virginia has participated in funded research with a number of companies including Century Aluminum, Pechiney Aluminum, Wheeling Nisshin Steel, HK Casting, Kelly Foundry, Sturm Rapid Response, Marble King, Judel Glass, Fenton Glass, DynaTech Adhesives, Crompton Specialty Chemicals, Dow Chemical, Bayer Corporation, PPG, Star Plastics, Burke Parsons Bowlby, Weyerhaeuser, Applied Industrial Solutions, and others.

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"Coal to Liquids Project Status"

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SECTION	TITLE
7	UT Arlington News Release (June 2009)

dallasnews.com
The Dallas Morning News

Comments 3 | Recommend 2

UT Arlington researchers' work could lead to $35-a-barrel oil

12:00 AM CDT on Sunday, June 28, 2009

After a year of trying, University of Texas at Arlington researchers say they have succeeded in producing Texas intermediate-quality crude oil out of lignite.

In a few years, the researchers predict, their discovery could lead to oil that costs $35 a barrel instead of the current $65 to $70.

This could translate into a Lone Star bonanza. Texas sits on a 200-year supply of lignite that's easily accessible because it lies near the earth's surface. Lignite, one of the lowest and cheapest grades of coal, is now used to fuel steam-electric power generation.

Richard "Rick" Billo, UTA's associate dean of engineering and research, explained the coal-to-oil project in a column a year ago. His team had three goals:

• "To produce a quality oil out of coal.

• "Get the production cost of that oil down to at least $35 per barrel.

• "Come up with a concept for refining the oil."

The team has accomplished all those things, Billo said, and coming up with a way to refine the oil was key.

The group developed a microrefinery that can manufacture oil from coal without the huge financial cost associated with traditional refineries.

"The team's microrefinery would fit anywhere you could put a structure that's 20 feet wide by 20 feet long by 20 feet high," Billo said. "Each microrefinery would cost about $5 million and could produce 500 to 1,000 barrels of crude per day."

Billo said that $5 million may sound like a lot – but not when compared with a traditional refinery, which costs "from $800 million to $6 billion, depending on the size and the real estate."

No traditional refineries have been built in Texas in decades.

Government funding

Billo's lignite project began with a $2 million grant from the Texas Ignition Fund.

"We were required to pick projects that looked like they could go to market in two or three years," he said. "The U.S. Department of Energy gave us $984,000."

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UTA has been promised additional federal funding but hasn't gotten the official OK to release the amount.

The federal government has an overriding interest because there are also huge deposits of lignite in North and South Dakota and elsewhere.

The team has new goals this summer: to increase the yield and demonstrate that the oil made from coal can be further refined into jet fuel.

In UTA's process, the lignite is converted to crude oil by chemical means rather than combustion, which is what Nazi Germany used to turn coal into oil during World War II.

There's no air pollution with a chemical conversion because the carbon dioxide is reused in the process.

Bituminous vs. lignite

UTA's methodology was based on work at the University of West Virginia, which holds patents on converting bituminous soft coal, a much higher grade than lignite, into crude oil.

The two schools still work together, but UTA found that working with lignite presented demands different from those of bituminous coal.

"By producing an oil between light sweet and heavy crude, we surpassed our expectations," Billo said.

"We spent the first year proving we can make good oil. Next year, we expect to improve the quantity. We should be able to get two barrels of oil out of a ton of lignite.

"In the next couple of years, lignite will be selling for $12 to $14 a ton, while bituminous will cost $60 to $70 a ton.

"In two years, we want to have built an industrial-size refinery. We want to ramp them up to 10 [microrefineries] side by side, producing 10,000 barrels a day, just a pittance. But it would blend with other crude regardless of its weight."

Guido Verbec of the University of North Texas Chemistry Department analyzed the UTA oil from lignite and said: "The distribution of the hydrocarbon chains are between C23 and C33, so that's a good distribution and looks more refined than standard crude oil."

Verbec said that the longer chains lend themselves to producing more petroleum products.

Billo says UTA wants to turn the process over to natural gas, coal or oil companies that would bring in royalties.

"Private business would have it, but it would benefit UTA," he said. "We have already visited with companies in the energy field that have an interest in Texas, Mississippi and southern Alabama."

Shack Hawkins, a chemical engineer with Polaris Engineering Inc. of Louisiana, said: "Based on the data UT Arlington has presented for analysis, the products they have produced look like a very promising petroleum."

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EPAHO089000303

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"Coal to Liquids Project Status"

July 2009

SECTION	TITLE
8	Possible Source of Funds

Clark Hickman

From: Clint Hackney [cphackney@yahoo.com]
ent: Monday, July 13, 2009 2:55 PM
o: Clark Hickman
Subject: TCEQ Meeting

The meeting with the TCEQ Chair's COS was productive. They want us to work with the Governor's Office to move this forward. The Chairman is going to review fund pools administered directly by TCEQ to determine if there is a fit. More importantly was the agreement to work with the Governor and other State Leaders to find funds for our CTL project in order to ensure that is located in Texas. Daniel was enthused and wants his boss, Chairman Garcia, to provide leadership to make this happen. We discussed three items as next steps. There was no particular order. We can work on all three simultaneously; however you may notice that there is a logical order for these.

1 – I need to develop a more in-depth relationship with Elliot Kennel in order to dig down into the details of the project with your help.

2 – We need to assemble certain details before presenting request for money to any particular funds:
Detailed budget of how the $10million (or whatever final number) will be spent
How many Texas jobs will be created; how many saved (at refineries, etc)
Where will the coal come from; what percentage from Texas
Details of the environmental impact

3 – Bring at least you and Mr. Bowman to a meeting with the Governor's staff and preferably a representative from WVU and a representative of
Quantex, also.

EPAHO089000306

8-5-09
N-1

CES Port Arthur Facility

"Construction Drawings"

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
713-676-1460

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CES Port Arthur Facility

"Construction Drawings"

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Sodium Hydrosulfide Solution
Material Safety Data Sheet

Section	Title	Section	Title
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3 –	Hazards Identification	11 –	Toxicological Information
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6 –	Accidental Release Measures	14 –	Transport Information
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1. Company and Product Identification

1.1 Product Name: Sodium Hydrosulfide Solution

Synonyms: Sodium Hydrogen Sulfide Solution, Sodium Bisulfide Solution, Sodium Sulfhydrate Solution

CAS Number: 16721-80-5

1.2 Recommended Uses:

1.3 Supplier:
CES Environmental Services, Inc.
4904 Griggs Road
Houston, TX 77021

1.4 Emergency Contact:
Matt Bowman 713-826-1329
CHEMTREC 800-424-9300

2. Composition and Information on Ingredients

2.1 Chemical Ingredients (% by wt)

COMPONENT	CAS #	EXPOSURE LIMITS	% BY WT
Sodium Hydrosulfide	16721-80-5	No ACGIH TLV or OSHA PEL established for Sodium Hydrosulfide.	5 – 20%
Sodium Sulfide	1313-82-2		0 – 10%
Sodium Hydroxide	1310-73-2		0 – 10%
Water	7732-18-5		95 – 60%

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3. Hazards Identification

Emergency Overview:

DANGER! CAUSES SEVERE BURNS TO EYES, DIGESTIVE TRACT, AND SKIN. THIS IS A HIGHLY ALKALINE LIQUID. HARMFUL IF SWALLOWED. HARMFUL IF MIST IS INHALED. Do not taste or swallow. Avoid Skin Contact. Use only with adequate ventilation. Wash thoroughly after handling. CONTACT WITH ACID RELEASES POISONOUS AND FLAMMABLE HYDROGEN SULFIDE GAS.

POTENTIAL HEALTH EFFECTS: Chemical burns result from contact with liquid or mist. Hydrogen sulfide gas exposure causes eye irritation, headache, and dizziness. Acute exposure to hydrogensulfide gas causes unconsciousness and paralysis of breathing muscles leading to death.

3.1 Route of Entry:
- Inhalation
- Skin Absorption
- Ingestion

3.2 Human Effects:
High alkalinity makes this product corrosive to mucous membranes – chemical burns result from contact. Mists and vapors cause irritation to the conjunctiva and cornea of the eye.

3.3. Acute Inhalation:
Severe respiratory distress because of corrosivity. Hydrogen sulfide gas, produced if this product contacts acid, causes confusion, weakness of the extremities, unconsciousness, pulmonary edema, asphyxiation and central respiratory paralysis leading to death.

Chronic Inhalation:
Extreme irritation to respiratory passages.

3.4 Acute Skin Contact:
Painful chemical burns. Systemic poisoning by sulfide causes headache, nausea, dizziness, confusion, weakness of the extremities, and possible unconsciousness.

Chronic Skin Contact:
Extreme irritation to skin.

3.5 Acute Eye Contact:
Alkali burns to conjunctiva and cornea with possible irreversible destruction of tissue.

Chronic Eye Contact:
Extreme irritation to the eyes caused by vapor or mist; corneal opacity.

3. Hazards Identification (CONTINUED)

3.6 Acute Ingestion:
Destruction of the lining of the esophagus and stomach. Rapid breathing, confusion, unconsciousness, paralysis of respiratory muscles leading to death.

Chronic Ingestion:
Headache, nausea, dizziness, confusion, and painful alkali burns to the esophagus.

3.7 Carcinogenicity:
- NTP – Not Listed
- IARC – Not Listed
- OSHA – Not Regulated

3.8 Medical Conditions Aggravated by Exposure:
- None are known.

4. First Aid Measures

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Have victim drink as much milk or water as possible. Never give anything by mouth to an unconscious person.

If mist is inhaled, remove to fresh air. Get medical attention immediately and contact a poison control center.

For eye contact, flush eyes with large amounts of water for at least 15 minutes and get IMMEDIATE medical attention. For skin contact, wash with soap and water. Wash clothing before reuse.

PHYSICIAN:
Contact causes caustic burns. Treat ingestion as hydrogen sulfide gas poisoning in addition to caustic burns.

5. Fire Fighting Measures

5.1 Flash Point:
- Non-flammable

5.2 Flammability Limits:
Hydrogen sulfide can collect in confined spaces above the liquid. It forms flammable mixtures with air from about 4% vapor up to about 45%.

5.3 Auto-ignition Temperature:
- Not Applicable

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5. Fire Fighting Measures (CONTINUED)

5.4 General Hazard:
Poison, flammable hydrogen sulfide gas will be evolved from this product on exposure to acid or excessive heat.

5.5 Fire Fighting Procedures:
Firefighters should wear self-contained breathing apparatus. Do not use carbon dioxide fire extinguishers because toxic hydrogen sulfide gas will be liberated from this product.

5.6 Fire Fighting Equipment:
Use water in flooding quantities. A heavy fog of water may be effective in knocking down vapors.

5.7 Hazardous Combustion Products:
Poisonous sulfur dioxide gas will be generated if the vapors from this product burn.

6. Accidental Release Measures

6.1 General:
Avoid generating mist and keep this product away from acids. Use appropriate Personnel Protective Equipment (PPE). Spilled product is a RCRA hazardous waste.

6.2 Small Spill:
Absorb in dirt, sawdust, fly ash or other inert absorbant. Scoop up and store in sealed containers. Dispose of in accordance with local, state, or federal regulations.

6.3 Large Spill:
Dike to prevent entry into sewers or drains. Recover as much of the solution as possible. Mix solution with dilute excess hydrogen peroxide to oxidize sulfide and eliminate danger of hydrogen sulfide evolution.

7. Handling and Storage

7.1 Storage Temperature: Not Critical

7.2 Storage Pressure: Atmospheric

7.3 General:
Put a vapor trap or scrubber on tank vent.

- Poison hydrogen sulfide gas will be present in the vapor space above sodium hydrosulfide solution. Do not enter tanks or other vessels that have contained this product unless fresh air breathing apparatus is used.
- Do not store in contact with copper, zinc or aluminum.
- Preferred material of construction for storage tanks is stainless steel; however, carbon steel is acceptable.

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8. Exposure Controls and Personal Protection

8.1 Engineering Controls:
Adequate ventilation is required to remove the toxic and flammable vapors or mist which may be present. Safety shower sand eyewash fountain should always be available in the work area.

8.2 Respiratory Protection:
Use self-contained breathing apparatus or supplied-air respirator if the PEL for hydrogen sulfide might be exceeded.

8.3 Skin Protection:
Rubber suits and boots as needed for protection from splashing.

8.4 Eye Protection:
Chemical safety goggles and safety shield for protection from splashing.

9. Physical and Chemical Properties

9.1 Physical State:	Liquid
9.2 Vapor Pressure:	Not Applicable
9.3 Specific Gravity:	About 1.18
9.4 Solubility in Water:	Complete
9.5 pH	Highly Alkaline
9.6 Boiling Point:	About 107 Deg. C. (225 Deg. F.)
9.7 Melting Point:	About -18 Deg. C. (0 Deg. F.)
9.8 vapor Density:	Not Applicable
9.9 Evaporation Rate:	Not Applicable
9.10 Odor:	"Rotten Egg" Odor
9.11 Appearance:	Yellow to Amber Liquid

10. Stability and Reactivity

10.1 Chemical Stability:
Mixing with acids liberates poisonous hydrogen sulfide. Mixing with strong oxidizers causes a violent reaction. Mixing with strong alkalies may form solid, hydrated sodium sulfide.

10.2 Incompatibility:
Acids, strong oxidizers, and strong alkalies.

10.3 Hazardous Decomposition Products:
Very high temperatures will decompose this product to form poisonous hydrogen sulfide gas.

10.4 Hazardous Polymerization: Does Not Occur

11. Toxicological Information

11.1 Eye:
Corrosive due to product's alkalinity

11.2 Skin:
Corrosive to skin due to product's alkalinity. May be toxic when absorbed through skin.

11.3 Ingestion:
TOXIC – Human Oral LD_{LO} reported to be 50 mg/kg for Na_2S. Equivalent to 163 mg/kg for this product (based on sulfur content).

11.4 Inhalation:
TOXIC – Hydrogen sulfide inhalation is assumed. Human LC_{LO} is 600 ppm for 30 minutes for hydrogen sulfide; equivalent to 4500 ppm of respirable mist from this product.

11.5 Sub-chronic:
Irritation to the conjunctiva and cornea of the eye from vapors.

11.6 Chronic/Carcinogenic:
Not a known carcinogen. Chronic acute exposures to vapors may cause neurologic deficits like those in survivors of other severe asphixiant poisonings.

11.7 Teratogenic: Not Known

11.8 **Reproductive:** Not Known

11.9 **Mutagenic:** Not Known

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12. Ecological Information

12.1 Toxicity:
Toxic to aquatic organisms. Sulfide ion reacts with oxygen; waters containing sulfide ion will not contain dissolved oxygen.

12.2 Distribution:
All components of this product are found naturally in all ecosystems.

12.3 Chemical Fate:
With dilution, the sulfide will be readily incorporated into the preexisting natural sulfur cycle.

13. Disposal Considerations

3.1 Waste Treatment:
Waste containing sulfide may be hazardous and may require disposal in an approved hazardous waste landfill. Sulfide can be oxidized with dilute hydrogen peroxide or any other oxidizing agent to non-hazardous sulfate; care should be taken ad the reaction may be violent.

14. Transportation Information

D.O.T. Shipping Name:	Corrosive liquids, toxic, n.o.s.
Technical Shipping Name:	Sodium Hydrosulfide Solution
D.O.T. Hazard Class:	8 – CORROSIVE, PGII
U.N./N.A. Number:	UN 2922
Product R.Q. (lbs):	5,000 lbs of Sodium Hydrosulfide; 23,000 lbs of this product
D.O.T. Label:	CORROSIVE
D.O.T. Placard:	CORROSIVE
Freight Class Bulk:	Inorganic Chemical
Freight Class Package:	Inorganic Chemical
Product Label:	Sodium Hydrosulfide Solution

15. Regulatory Information

OSHA Status:
This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200. It is classified as toxic based on ingestion information and corrosive based on its alkalinity.

TSCA Status:
Listed on TSCA Inventory

CERCLA Reportable Quantity:
5,000 lbs of Sodium Hydrosulfide 23,000 lbs of this product.

SARA Title III.
Section 302, Extremely Hazardous Substances: NONE
Section 311/312, Hazard Categories: Category 1 (Acute Hazard)
Section 313, Toxics Release Inventory: NONE

RCRA Status:
If discarded in its purchased form, this product could be a hazardous waste because of its alkalinity and/or sulfide content. Under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing or derived from this product should be classified as a hazardous waste under 40 CFR 261.20-24.

16. Other Information

16.1 Ratings:

NFPA Rating: (National Fire Protection Association):

Health = 3
(Materials which on short exposure could cause serious temporary or residual injury.)

Fire = 1
(Materials which will burn in air when exposed to a temperature of 1500 Deg. F.)

Reactivity = 1
(Materials which are normally stable but which can become unstable at elevated temperature and pressure.)

Special = NA

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16. Other Information (CONTINUED)

Prepared By: CES Environmental Services, Inc. Technical Dept.

Date: July 23, 2008

THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND OSHA, ANSI, NFPA, DOT, ERG AND CHRIS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSAREY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE THE MATERIAL SAFETY DATA SHEET PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.

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Safety Bulletin

U.S. Chemical Safety and Hazard Investigation Board

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SODIUM HYDROSULFIDE: PREVENTING HARM

Introduction

Since 1971, reported incidents involving liquid solutions of sodium hydrosulfide (NaHS) have resulted in 32 deaths and 176 injuries, most notably in the leather tanning and pulp and paper industries. The most serious safety concern associated with NaHS is its capacity to produce large amounts of deadly hydrogen sulfide gas (H_2S) when it reacts with an acid or is exposed to high heat.

Despite its pungent rotten egg odor, H_2S can deaden the nerves that detect odors, thereby preventing those exposed from being able to smell life-threatening airborne concentrations. This condition is referred to as "olfactory fatigue" and must be considered when designing NaHS safety systems.

This Safety Bulletin is published to increase awareness of the hazards associated with NaHS and to outline safety practices to minimize the potential for harm to workers and the public.

Sodium Hydrosulfide

Common synonyms:

NaHS (NaSH)
Sodium bisulfide
Sodium sulfhydrate
Sodium hydrogen sulfide
Sodium mercaptan

CAS No.: 16721-80-5

UN No. (solution): 2922 (Figure 2)

DOT Hazard Class: 8 (Figure 2)

EPA Hazardous Waste No.: D003

Defining the Problem

NaHS releases highly toxic H_2S if mixed with an acid or if exposed to excessive heat. Because it is corrosive, it is also potentially harmful to the skin and eyes.[1]

NaHS incidents typically involve the following three elements:

- An inadvertent spill, leak, or mixing, whereby NaHS reacts with an acidic solution to produce H_2S.
- Absent or inadequate engineering controls, such as ventilation or H_2S detection devices, coupled with inadequate PPE.
- Inappropriate emergency response actions by workers and emergency responders (Figure 1).

This bulletin reviews selected NaHS incidents that caused death and injury, for example:

- Delivery drivers inadvertently transferring NaHS into acid storage tanks. (See Whitehall Leather, Horween Leather, and Prime Tanning case studies on pages 13–15.)

Figure 1. Emergency responder in NaHS and H_2S protective gear.

[1] Although this bulletin addresses the hazards associated with NaHS solutions, its precautions also apply to other sulfide-containing substances (e.g., sodium sulfide), which are often used interchangeably with NaHS, and which also generate H_2S when mixed with acids.

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Figure 2. Shipping placard with UN number and DOT hazard class.

- NaHS being allowed to mix with acids in plant sewer systems. (See Georgia-Pacific and Westvaco case studies on pages 13-14.)
- Mixing of NaHS and an acid inside a common spill containment. (See Powell Duffryn case study on page 13.)

CSB Safety Bulletins offer advisory information on good practices for managing chemical process hazards. Case studies provide supporting information. CSB Investigation Reports comprehensively review all the causes of an incident.

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CSB identified the following two common management failures during its review of catastrophic NaHS-related incidents:[2]

- Failure to identify and mitigate hazards during process system design and engineering.
- Failure to manage hazards that were not controlled through good design and engineering.

Physical Characteristics and Uses of NaHS

Typical NaHS solutions are produced commercially by combining H_2S with caustic soda (NaOH), as shown in the following reaction:

$$H_2S + NaOH \rightarrow NaHS + H_2O$$

The resulting finished solution has a pH of approximately 11.5. Depending on its solution strength (22 to 60 percent NaHS), it is heated to 71 to 82 °C to prevent crystallization. NaHS is sold commercially in both solution and flake forms, with solutions accounting for about 80 percent of total U.S. production.[3]

[2] CSB compiled the incident data and safety practices described throughout this Safety Bulletin during a comprehensive review of NaHS incidents and industry handling practices.

[3] Total U.S. production for all forms of NaHS was approximately 269,000 tons in 2003.

Table 1 summarizes the general physical properties of NaHS solutions.

Table 1
Physical Properties of NaHS

Molecular weight:	56.1
Specific gravity:	1.152 (a)–1.376 (b)
pH of solution:	strongly alkaline (11–12)
Solution freezing point:	-15°C (a) – 40°C (b)
Odor:	rotten egg
H_2S flammable limits (% H_2S in air):	
	Lower: 4
	Upper: 44

(a) 22% solution.
(b) 60% solution.

NaHS is used in a variety of industries (Figure 3):

- In the pulp and paper industry, to remove lignin from wood chips.
- In mining, as a flotation agent to separate impurities.
- In manufacturing, as a raw material or purifying agent.
- In the leather-tanning industry, to remove hair from hides.

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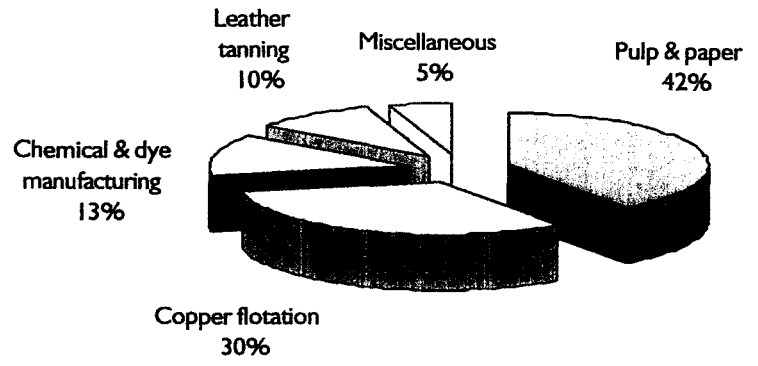
Figure 3. NaHS use by industry sector.



The Innovation Group

ACGIH: American Conference of Governmental Industrial Hygienists
AIChE: American Institute of Chemical Engineers
AIHA: American Industrial Hygiene Association
ANSI: American National Standards Institute
ASSE: American Society of Safety Engineers
ATSDR: Agency for Toxic Substances and Disease Registry, DHHS
°C: Degrees Celsius
CAS: Chemical Abstracts Service
CCPS: Center for Chemical Process Safety, AIChE
CDC: Centers for Disease Control and Prevention, DHHS
CFR: Code of Federal Regulations
CO_2: Carbon dioxide
CSB: U.S. Chemical Safety and Hazard Investigation Board
DHHS: U.S. Department of Health and Human Services
DOE: U.S. Department of Energy
DOT: U.S. Department of Transportation
EPA: U.S. Environmental Protection Agency
ERPG: Emergency Response Planning Guidelines, AIHA
H: Hydrogen
H_2O: Water
H_2S: Hydrogen sulfide
HazCom: Hazard communication, OSHA
IDLH: Immediately dangerous to life or health
MIT: Massachusetts Institute of Technology
MSDS: Material safety data sheet
Na: Sodium
NaHS: Sodium hydrosulfide
NaOH: Sodium hydroxide
NAS: National Academy of Sciences
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health, DHHS
NLM: National Library of Medicine, National Institutes of Health (NIH), DHHS
NRC: National Response Center, USCG
NTSB: National Transportation Safety Board
OSHA: Occupational Safety and Health Administration, U.S. Department of Labor
PEL: Permissible exposure limit, OSHA
pH: Potential of hydrogen
PPE: Personal protective equipment
ppm: Parts per million
PSM: Process safety management, OSHA
PTFE: Polytetrafluorethylene
REL: Recommended exposure limit, NIOSH
SCBA: Self-contained breathing apparatus
SO_2: Sulfur dioxide
STEL: Short-term exposure limit
TWA: Time-weighted average
UN: United Nations
USCG: U.S. Coast Guard
WEEL: Workplace emergency exposure limit, AIHA

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Health Hazard Summary

Because NaHS is corrosive, it presents a hazard to unprotected skin and eyes. However, its most serious hazard is its propensity to produce toxic H_2S gas when mixed with an acid or exposed to high heat sources such as a fire. The acid reaction chemistry is shown as:

$$NaHS + Acid\ (H^+) \rightarrow Na^+ + H_2S$$

Inhalation

The gases released by NaHS are corrosive and may contain high levels of H_2S. Inhalation of H_2S is irritating to the nose and throat. At higher concentrations, it can produce olfactory fatigue, a buildup of fluid in the lungs (pulmonary edema), severe shortness of breath, and death. Table 2 outlines the health effects of inhaling H_2S.

- H_2S exposures may cause olfactory fatigue

Continuous exposure to low concentrations (5 to 10 ppm) of H_2S or brief exposure to higher concentrations (above 50 ppm) deadens the odor-detecting nerves in the nose and lessens the ability to smell dangerous concentrations. The higher the concentration of H_2S, the faster the onset of olfactory fatigue.

Eye Contact

Corrosivity hazard

Because of the high pH of NaHS solutions (approximately 11.5), contact may severely irritate and burn the conjunctiva and cornea,[4] and may result in permanent tissue damage.

Hazard from generated H_2S

Exposure to low concentrations of H_2S over several hours or days may result in "gas eyes" or "sore eyes," with symptoms of scratchiness, irritation, tearing, and burning. Symptoms are likely to disappear when the exposure ends. Prolonged exposure to concentrations of H_2S above 50 ppm may cause permanent damage or intense tearing, blurring of vision, and pain when looking at bright light.

Skin Contact

Skin contact with NaHS may produce pain, irritation, redness (erythema), or burns. Because the symptoms of exposure severity may

[4] The conjunctiva and cornea are the thin, transparent tissues that cover the outer surfaces of the eye.

Table 2
Inhalation of H_2S

Concentration (ppm)	Health Effects (a)
0.05	Rotten egg odor detectable by most humans.
0.13–30	Obvious and unpleasant odor.
50–150	Olfactory fatigue (temporary loss of smell) and marked dryness and irritation of nose and throat. Prolonged exposure may cause runny nose, cough, hoarseness, headache, nausea, shortness of breath, and severe lung damage (pulmonary edema).
200–250	Worsening and more rapid onset of the above health effects; possible death in 4 to 8 hours.
300–500	Excitement, severe headache and dizziness, staggering, unconsciousness, and respiratory failure likely in 5 minutes to 1 hour; possible death in 30 minutes to 4 hours.
500+	Rapid onset of severe toxicity, respiratory paralysis, and death. If not fatal, may cause long-term effects such as memory loss, paralysis of facial muscles, or nerve tissue damage.
800–1,000	May be immediately fatal after one or more breaths, resulting in an instant unconsciousness or "knock-down" effect.

(a) Data from NIOSH, NLM, and ATSDR.

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be delayed, affected skin should be treated immediately. (See the first aid guidance on page 12.)

Ingestion

Ingesting a small amount of NaHS in a single dose will likely produce only minor throat irritation or burning of the esophagus. Ingesting a larger quantity, however—or small quantities over an extended period—may seriously damage the gastrointestinal tract. In addition, NaHS that mixes with stomach acids produces H_2S and may cause the health effects associated with inhalation (Table 2).

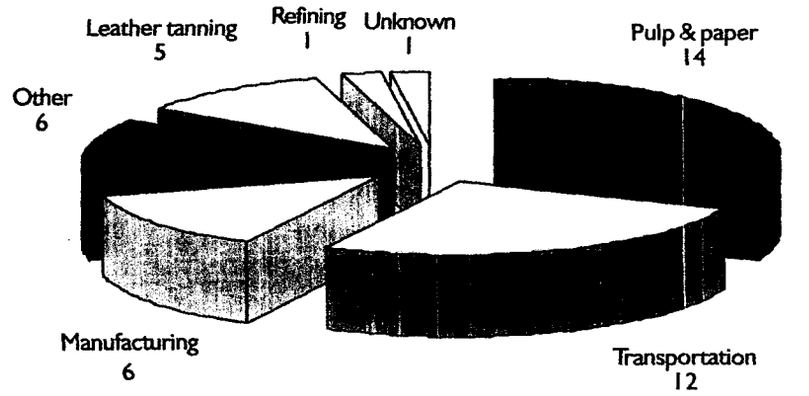
Incident Data

From reported data for the United States from 1971 through 2004, CSB identified 45 NaHS-related incidents in six industry sectors (Figure 4).[5] Collectively, these incidents resulted in:

- 32 fatalities.
- 176 injuries.
- 351 medical evaluations.
- At least 10 plant or community evacuations.

[5] The earliest recorded NaHS incident identified during the CSB review occurred in 1971. Regulatory reporting requirements and industry usage practices have changed significantly since that time, which may account for incident rate fluctuations among the various industry sectors. For example, nearly all of the leather-tanning incidents occurred between 1971 and 1990, and no transportation incidents were reported prior to 1990. The incidents CSB reviewed include pulping-liquor incidents in which NaHS was used as the sulfide source.

Figure 4. NaHS incidents* by industry sector.



*An "incident" is a NaHS-related event involving a fatality, injury, medical evaluation, or evacuation.

Thirty-six of the incidents resulted from H_2S releases, and the remainder from skin or eye exposure to NaHS solutions.

The following causal categories were identified during this review:

- Improper mixing or transfer: 15 (33 percent).
- Spills: 12 (27 percent).
- Mechanical failure: 7 (16 percent).
- Improper maintenance or repair: 6 (13 percent).

Five of the 45 incidents (11 percent) were attributed to unknown causes.

Incident data were obtained from OSHA, EPA, and ATSDR databases, as well as industry questionnaires, interviews, and media sources. Only those incidents that were reported and accessible are represented.

Although the incidents reviewed are not all-inclusive, their number and severity clearly indicate that NaHS presents a serious hazard in the workplace.

Prevent Harm

Good safety management includes identifying and evaluating hazards during initial process planning and design, and continues throughout the life cycle of the operation—both for new processes and for modifications. This approach allows managers and employees to understand and address hazards prior to startup.

Hazard control measures such as work practice controls and PPE are secondary layers of protection. They should be considered only after attempting to eliminate hazards through design and engineering, or when substituting

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for a less hazardous material or process is impractical.

A multidisciplinary team applying established process safety management principles should identify and evaluate hazards. These principles are outlined in the OSHA Process Safety Management of Highly Hazardous Chemicals (PSM) Standard and in CCPS publications listed at the end of this bulletin.

The PSM Standard regulates processes containing threshold quantities of highly hazardous chemicals, explosives, and flammable liquids in amounts exceeding 10,000 pounds.[6] NaHS is not a PSM-covered chemical because—despite its reactive potential to produce large amounts of H_2S when mixed with acids or when exposed to heat—it does not meet the OSHA listing criteria.

CSB has recommended that OSHA expand PSM to include chemicals with reactive characteristics similar to those exhibited by NaHS (i.e., relatively stable chemicals that react dangerously with other substances).[7] (See the CSB Hazard Investigation Report, *Improving Reactive Hazard Management* [2002; http://www.csb.gov].)

Design to Eliminate Hazards

Process systems must be designed to prevent NaHS from inadvertently mixing with acidic solutions. The potential for human error during handling should be identified and eliminated to the maximum extent practicable.

Interviews and literature reviews with NaHS manufacturers, trade associations, and industry representatives highlighted the following design practices:

- Always treat sewers as extensions of the process. Do NOT add wastes without analyzing for compatibility with other sewer contents.
- Separate acid- and NaHS-containing waste streams, or design the system to handle mixing so as to prevent an uncontrolled or otherwise hazardous release of H_2S.
- Construct separate containments for NaHS and acid storage containers and process equipment.
- If waste NaHS and acids are mixed in a sewer, install waste-stream/sewer monitors with alarms to warn employees of system upsets or unfavorable acid conditions.
- Install ventilation systems and H_2S detectors and alarms at locations where hazardous concentrations may occur (e.g., storage areas and offloading terminals).
- Design storage tank vents to minimize the potential for worker exposure.
- Design transfer connections and procedures to prevent inadvertent mixing. Limit access to these connections to trained and authorized personnel through reliable and effective controls, which should include procedures and physical barriers (e.g., locking devices or unique fitting configurations).
- Construct process system components from materials capable of withstanding the corrosivity and temperatures associated with NaHS solutions. NaHS manufacturers recommend the following materials:[8]
  - Storage tanks and steam coils: 304 stainless steel.
  - Pumps: 304L or 316L stainless steel.
  - Packing: PTFE-impregnated carbon fiber.
  - Piping: 304L stainless steel, insulated and heat-traced in locations where freezing may occur.
  - Gaskets: Spiral-wound 316L stainless steel or a PTFE ring.
  - Plug valves: Lubricated or made with a PTFE sleeve and seal.

[6] See 29 CFR 1910.119 at http://www.osha.gov/SLTC/processsafetymanagement/. Highly hazardous chemicals are listed in Appendix A.

[7] Based on their reactive characteristics, the chemicals included in Appendix A were selected from the 1975 version of NFPA 49, *Hazardous Chemical Data*. OSHA selected only those chemicals with instability ratings of "3" or "4" (on a scale of 0 to 4). These ratings focus purely on the chemicals themselves and do not consider the consequences of mixing with other chemicals.

[8] This information illustrates the types of materials manufacturers recommend for use in NaHS process systems. It is not intended as a substitute for recognized and generally accepted good engineering practices for the specific facility design, construction, or maintenance.

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H_2S hazard: separate NaHS and acids

Allowing spilled NaHS to inadvertently mix with an acid (pH < 7) poses a significant risk of harm. Similarly, if a sewer system is not designed to control H_2S, allowing NaHS to run off to a sewer containing acids also poses a significant risk. Large amounts of toxic (and flammable) H_2S may evolve very rapidly!

Manage Hazards

Eliminating hazards through process design and engineering is the optimal hazard management system. However, additional systems are required when design and engineering do not eliminate these hazards. CSB identified the following management systems as particularly applicable to NaHS users.[9]

Communicate hazards to employees

The OSHA HazCom Standard (29 CFR 1910.1200) is based on the simple concept that employees have both a need and a right to know of the hazards associated with chemicals to which they are exposed. They also need to know how to protect themselves from adverse health effects due to chemical exposure. The general requirements of this standard are outlined at http://www.osha.gov.

The HazCom requirements pertaining to NaHS MSDSs and H_2S training are outlined below:

- **MSDSs:** Employers are required to obtain an MSDS for each hazardous chemical (present or produced at the facility) and to make them readily available to workers. The information contained in MSDSs may vary significantly among NaHS manufacturers.[10] Operations and safety personnel should, therefore, attempt to acquire a better understanding of NaHS hazards through such resources as this Safety Bulletin, MSDSs and product information from multiple NaHS manufacturers, and databases such as the NLM Hazardous Substance Data Base.[11]
- **Training:** Employers are required to train their employees and inform contractors (including delivery drivers, construction workers, and emergency responders) of site-specific NaHS and H_2S hazards, including plant hazard labeling systems and locations of MSDSs.[12] This is often accomplished during a facility safety orientation.

Provide personal protective equipment

Facilities should rely on PPE only after conducting a hazard assessment, as required by the OSHA Personal Protective Equipment, General Requirements Standard (29 CFR 1910.132).[13] Employees should participate in the selection of PPE because of the potential for stress and discomfort created by restrictions to movement, vision, and dexterity. Where practical, PPE should be simple to operate and reasonably comfortable to wear for the duration of the exposure.

- **Chemical protective clothing:** PPE required to protect workers from the corrosive hazards associated with NaHS includes eye and face protection, chemical protective gloves, protective clothing, and foot protection (http://www.cdc.gov/niosh).
- **Respiratory protection:** Before relying on respirators, facilities must have determined that it is impractical to eliminate or control exposures through substitution of a less hazardous chemical, design and engineering controls, or work practice or administrative controls. If respiratory protection is required, employers must comply with the OSHA *Respiratory Protection Standard* (29 CFR 1910.134).[14]

[9] The safety programs outlined in this section relate to circumstances identified in the incidents CSB reviewed. Other relevant safety programs—such as management of process change, line breaking, lockout/tagout, and process and equipment integrity—are also extremely important components of a successful accident prevention program.

[10] See http://www.csb.gov and http://www.osha.gov for discussions of MSDS inconsistencies and inaccuracies.

[11] http://toxnet.nlm.nih.gov/index.html.

[12] See *Safety Requirements for H_2S Training Criteria* (ANSI Z390.1-1995, available at http://webstore.ansi.org/ansidocstore/default.asp) for a model H_2S training program.

[13] http://www.osha.gov/SLTC/personalprotectiveequipment/.

[14] http://www.osha.gov/SLTC/respiratoryprotection/).

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Table 3
H_2S Exposure Limits (ppm)

OSHA (PEL)	
Ceiling (a)	20
10-minute peak (b)	50
NIOSH	
IDLH (c)	100
REL	10
(10-minute ceiling) (d)	
ACGIH	
15-minute STEL (e)	15
8-hour TWA	10

(a) Concentration generally not to be exceeded during the work shift.

(b) Workers may be exposed above the ceiling level up to this concentration for a maximum of 10 minutes.

(c) Exposure to environments exceeding this airborne concentration is likely to cause death or permanent adverse health effects or to prevent escape. Use of SCBA in pressure-demand or positive-pressure mode is required (see 29 CFR 1910.134).

(d) Exposure should not exceed the REL for any continuous 10-minute period during the work shift.

(e) Exposure should not exceed this level for any continuous 15-minute period during the work shift.

NIOSH[15] has certified certain negative-pressure, air purifying respirators for use where H_2S concentrations exceed the OSHA PELs (Table 3).[16] For situations where concentrations are unknown or exceed equipment protection limits, NIOSH prescribes supplied-air respirators. These requirements are outlined in the NIOSH *Pocket Guide to Chemical Hazards* (2003; http://www.cdc.gov/niosh/npg/npg.html).

- **Air monitoring for H_2S:** In environments that are normally safe, but which pose the risk of hazardous H_2S exposure, the only way to ensure worker safety is to continuously monitor the air. In recent years, H_2S monitors have become much smaller, more rugged and reliable, simpler to operate, and much less expensive. Examples of available devices are noted below:
  - **Personal H_2S detectors with audible, vibrating, and visual alarms:** These detectors can be clipped into a shirt pocket or worn on a hard hat. They are relatively inexpensive and reliable, and have low-maintenance electrochemical sensors and long-lasting batteries.
  - **Stationary H_2S detection and notification systems:** These systems provide alarm notification 24 hours a day and can be used to automatically notify emergency responders. Freestanding solar- and battery-powered systems are also available that can be equipped with radio transmitters to send real-time monitoring results to a remote alarm or warning device.

Enter confined spaces safely

Because H_2S is heavier than air, it tends to concentrate near or below ground level, especially where there is limited air movement. Sump pits, storage and process tanks, valve trenches, and sewers are particularly susceptible to high concentrations of H_2S and may require atmospheric testing, communications equipment, and standby emergency rescue personnel.

OSHA regulates confined spaces in the Permit-Required Confined Spaces Standard (29 CFR 1910.146).[17] Further information on this standard is provided in the references section of this bulletin.

[15] OSHA relies on NIOSH as the testing and certifying body in 29 CFR 1910.134. NIOSH requires end-of-service life indicators for filters used to protect against chemicals with poor warning properties, such as H_2S.

[16] See Table Z-2, 29 CFR 1910.1000, http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9991.

[17] http://www.osha.gov/SLTC/confinedspaces/.

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Handle and store NaHS safely

The hazards associated with NaHS require employers to establish facility-specific safe handling and storage practices and procedures for both employees and contractors. These practices and procedures include:

- Controlling access and supervising product delivery and transfer.
- Installing local exhaust ventilation on process or storage equipment where personnel exposure is likely and ensuring that such systems are operating properly before starting a process.
- Installing fixed H_2S monitors with alarms in NaHS storage and offloading areas where concentrations could exceed safe levels.
- Providing PPE and emergency eyewash and shower facilities where there is a risk of exposure to NaHS.
- Ensuring that NaHS-containing wastes are not flushed to acid-containing sewers without controls to prevent a release of H_2S.
- Storing NaHS separately from low pH (acidic) materials to avoid inadvertent mixing.
- Clearly labeling NaHS containers, process piping, and critical process piping valves that may contain NaHS with essential hazard information.
- Warning against exposure of NaHS to excessive heat or storage near open flames or other ignition sources that might generate or ignite flammable H_2S.
- Ensuring that storage containers and process equipment materials are compatible with the alkalinity of NaHS. Manufacturers of NaHS warn against using copper, zinc, or aluminum.
- Implementing an emergency notification system to inform emergency responders and potentially impacted offsite residents of threatening incidents.

Emergency Response

Emergency responders must immediately take precautions in the case of a fire or spill involving NaHS. If there is evidence of an H_2S release—either the presence of its characteristic rotten egg odor or affirmative H_2S monitoring results—emergency responders should:

- **Restrict access to the spill/release site:** Allow only emergency personnel equipped with proper PPE to enter the area (i.e., NIOSH-approved, full facepiece SCBA in pressure demand mode, and protective outer garments).
- **Decide whether to evacuate or shelter-in-place:** This decision is made under urgent conditions. Factors that must be considered include population distribution, risk of exposure, adequacy of available shelters, evacuation time requirements, and other factors such as the characteristics of the chemical released and weather conditions. This issue has been studied thoroughly by researchers at the Oak Ridge National Laboratory, as documented in *Planning Protective Action Decision-Making: Evacuate or Shelter-in-Place?* (USDOE, 2002; http://www.osti.gov/bridge/).

  A decision to evacuate should be based on the reasonable assurance that movement is in the best interest of those being evacuated:

  - **Evacuation:** Downwind of a release—before starting to move upwind—unprotected personnel should move directly crosswind to one-half of the downwind distance from the spill. The crosswind distance varies in relation to the size of the spill and downwind distance. See Figure 5 and Table 4 for the initial isolation and protective action distances recommended by the DOT Emergency Response Guidebook (2004; http://hazmat.dot.gov/gydebook.htm).

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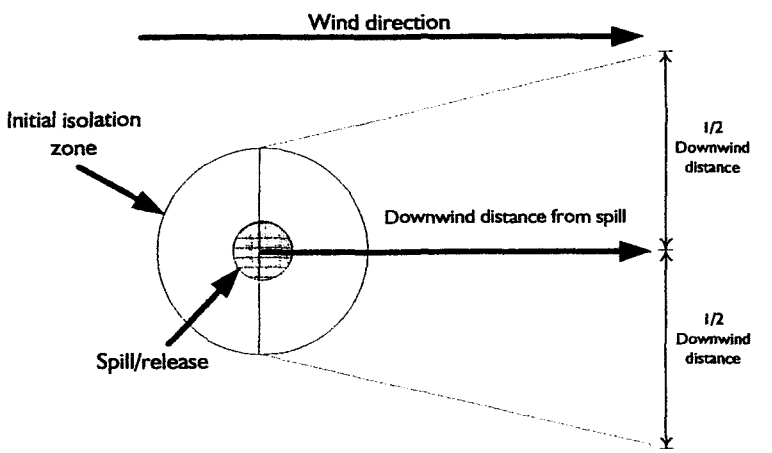
● Figure 5. Initial isolation and evacuation diagram.



- **Shelter-in-place:** This is a precaution to keep people safe while remaining indoors. It calls for taking refuge in a preferably small, interior room with no or few windows; closing windows and doors; turning off heating and air-conditioning systems; and listening to local TV/radio for emergency response directions.

  Offsite residents or plant personnel who may be required to shelter-in-place must be provided with instructions and training, and must have necessary supplies on hand (e.g., food, water, tape, vinyl sheeting) prior to an incident. Detailed information regarding shelter-in-place is available at http://www.cdc.gov/ and http://www.redcross.org/.

- **Conduct continuous downwind monitoring:** Determine if H_2S concentrations exceed the AIHA ERPGs[18] (ERPG-3 or -2 values from Table 5) or the OSHA PEL; and continue to evacuate or shelter-in-place as required.

Firefighting

Contact between NaHS and an acid—or exposure to excessive heat—liberates H_2S, which presents an inhalation and fire

[18] NAS has developed acute exposure guideline levels that may be more protective than AIHA ERPGs. Interim exposure levels for H_2S are available at http://www.epa.gov/oppt/aegl/.

Table 4
H_2S Initial Isolation and Protective Action Distances

Small Spill (a)

1. Isolate spill area **100 feet** in all directions
2. Protect persons downwind

   Day (b) – 0.1 mile (528 feet)

   Night – 0.2 mile (1,056 feet)

Large Spill (c)

1. Isolate spill area **700 feet** in all directions
2. Protect persons downwind

   Day (b) – 1.3 miles (6,864 feet)

   Night – 3.9 miles (20,592 feet)

(a) From a small package (55 gallons or smaller) or from a small leak from a large package.
(b) Sunrise to sunset.
(c) From a large package or from many small packages.

Source: USDOT, 2004.

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Table 5
H_2S Emergency Response Planning Guidelines

	60-Minute Concentration (ppm)
ERPG–3 (a)	100
ERPG–2 (b)	30
ERPG–1 (c)	0.1

(a) ERPG–3 is the maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to 1 hour without experiencing or developing life-threatening health effects.

(b) ERPG–2 is the maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to 1 hour without experiencing or developing irreversible or other serious health effects or symptoms that could impair their ability to take protective action.

(c) ERPG–1 is the maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to 1 hour without experiencing other than mild transient adverse health effects or perceiving a clearly defined objectionable odor.

Source: AIHA, 2004.

hazard. In addition, burning H_2S produces sulfur dioxide (SO_2), which is a severe respiratory irritant that can be life threatening. If a fire involves NaHS, the DOT Emergency Response Guidebook (2000) recommends the following:[19]

- Small fires:
  - Use dry chemicals, CO_2, or water spray.[20]
- Large fires:
  - Use dry chemicals, CO_2, alcohol-resistant foam, or water spray.
  - Move containers of NaHS from fire area if possible to do so without risk.
  - Contain contaminated fire control water for later disposal.
- Fires involving a tank, railcar, or tank truck:
  - Fight the fire from the maximum distance possible, or use unmanned hose holders or monitor nozzles.
  - Do NOT allow water to enter containers of NaHS.
  - Cool containers with flooding amounts of water until well after the fire is extinguished.
  - Withdraw immediately in case of a rising sound from venting safety devices or discoloration of the tank.
  - ALWAYS stay away from burning tanks.

Spill Response

In the event of a NaHS spill:

- Do NOT allow NaHS to come in contact with acids.
- Contain the spill. Do NOT flush to a sewer unless the sewer is designed and engineered to control the H_2S that may be released.
- Remove sources of ignition so that any H_2S released will not ignite.
- Provide maximum ventilation.
- Recover spilled material on adsorbents, such as sand or vermiculite, and place in covered containers for reclamation or disposal.
- For spills that exceed the 5,000-pound reporting threshold,[21]

[19] See Guide 154 for NaHS solutions.

[20] Some manufacturers and fire safety professionals caution against using extinguishers containing CO_2 and dry chemical extinguishing media because they form acids when mixed with water and may exacerbate the generation of H_2S when used on fires involving NaHS. They recommend using water in flooding quantities to fight the actual fire, and water spray or foam to control vapors. If CO_2 or dry chemical extinguishers are used, responders must wear proper respiratory protection (i.e., SCBA).

[21] NaHS is listed in Table 302.4 of the Superfund, Emergency Planning and Community Right-to-Know Act (40 CFR 302) as a hazardous substance with a reportable quantity of 5,000 pounds, based on 100 percent purity (approximately 1,077 gallons of 43 percent solution). See http://www.epa.gov/swercepp/factsheets/epcra.pdf for more information.

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notify NRC at 1-800-424-8802 or http://www.nrc.uscg.mil.[22]

Emergency Responders

Emergency responders must wear NIOSH-approved, full face-piece SCBA in pressure-demand or positive-pressure mode and chemical-resistant outer garments when there is a threat of airborne concentrations of H_2S exceeding the PEL. To avoid endangering emergency responders, NaHS- or H_2S-contaminated outerwear should be discarded and victims decontaminated prior to placing them in a confined space, such as a medical transport vehicle.

- Emergency rescue

If H_2S is present, do NOT attempt to rescue a fallen worker without proper PPE.

First Aid

Each year a large number of fatalities result from failed rescue attempts by those who rush into dangerous environments to help fallen workers. *First responders and emergency medical personnel must protect themselves before rendering aid to others.*

Emergency responders responsible for facilities that handle NaHS should familiarize themselves with the ATSDR *Medical Management Guidelines for H_2S* (2003; http://www.atsdr.cdc.gov/MHMI/mmg114.html). Do NOT enter an unknown or potentially hazardous environment without ensuring that it is safe by sampling the air and/or wearing proper PPE.[23]

Inhalation of H_2S

Move the victim into fresh air and administer oxygen as necessary.[24] Victims of overexposure to H_2S (or NaHS vapors that may contain H_2S) should immediately receive emergency medical attention.

Eye Contact

In the event of eye contact with either NaHS or high concentrations of H_2S, immediately irrigate the eyes with copious amounts of water for at least 20 minutes, or until the arrival of emergency medical personnel. An ophthalmologic examination should be conducted as soon as possible because the extent of some injuries related to corrosive eye exposure may not be apparent for 48 to 72 hours.

Chemical shower and eyewash facilities must meet the requirements outlined in the OSHA Medical Services and First Aid Standard (29 CFR 1910.151(c)).[25] Applying elements of the Emergency Eyewash and Shower Equipment Standard, ANSI Z358.1-2004, fulfills OSHA requirements and provides adequate protection to workers.[26]

Skin Contact

Immediately remove contaminated clothes and irrigate exposed skin with copious amounts of water for at least 15 minutes, regardless of symptoms. A physician may need to examine the exposed area if irritation or pain persists or worsens.

Ingestion

Do NOT induce vomiting or attempt to neutralize ingested NaHS. Immediately request emergency medical assistance by calling 911 and the national Poison Control Center emergency hotline at 1-800-222-1222.

---

[22] This is a regulatory threshold reporting quantity established by EPA with an emphasis on identifying adverse environmental impact. Spills and releases of much smaller quantities of NaHS can lead to catastrophic consequences. For example, the spillage of about 100 gallons of NaHS led to the Georgia-Pacific incident, reviewed on page 13.

[23] Eight contractor employees were injured during the Georgia-Pacific incident when they remained in the zone of danger to assist with the rescue of fallen workers.

[24] In some states, administering oxygen requires emergency medical certification.

[25] http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=9806.

[26] ANSI Z358.1-2004 is available for purchase at http://webstore.ansi.org/ansidocstore/default.asp.

EPAHO089000332

Selected Case Studies

Georgia-Pacific, Naheola pulp and paper mill, Pennington, Alabama (2 killed, 8 injured)

On January 16, 2002, two workers were killed and eight injured while performing maintenance near a NaHS transfer terminal. NaHS had recently been pumped from 15 tanker trucks into storage tanks. Because of a leaking pump, NaHS accumulated in a spill containment pit that was connected to the plant acid sewer.

When the containment pit was drained, a relatively small quantity of NaHS[27] reacted with acid in the sewer to produce H_2S. The H_2S leaked through a faulty manway cover seal into the area where the contractors were working.

The CSB investigation concluded that Georgia-Pacific management was unaware that the containment pit drained to the acid sewer. However, neither Georgia-Pacific nor the previous plant owners had adequately evaluated the potential for hazardous chemical mixing in the sewer system and the release of deadly amounts of H_2S. Consequently, plant personnel, contract workers, and emergency responders were unaware of and unprepared for the dangers.

[27] CSB investigators estimated that 100 gallons of NaHS was allowed to accumulate in the pit.

Whitehall Leather Company, Whitehall, Michigan (1 killed, 1 injured)

On June 4, 1999, the driver of a tanker truck filled with NaHS inadvertently pumped the tanker contents into a storage tank partially filled with "pickle acid" (hydrochloric acid). The tanker truck had arrived at the plant during the night shift.

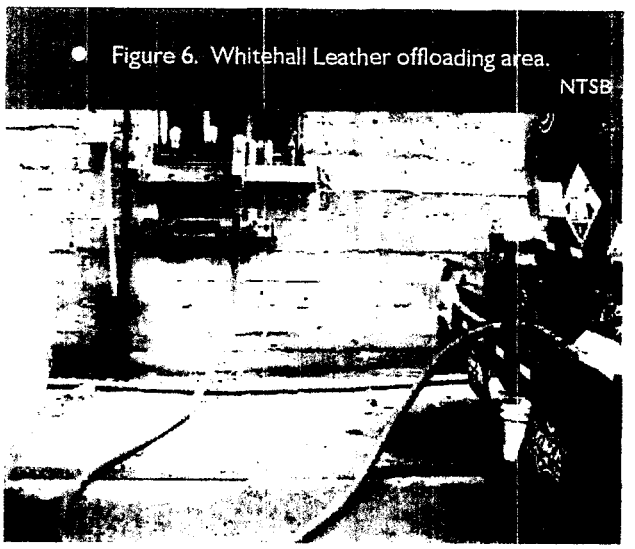


Figure 6. Whitehall Leather offloading area. NTSB

The shift supervisor—never having received a shipment of NaHS and believing it to be pickle acid—directed the driver to unload it into a pickle acid storage tank (Figure 6). The resulting reaction released H_2S, which killed the driver and injured a plant employee.

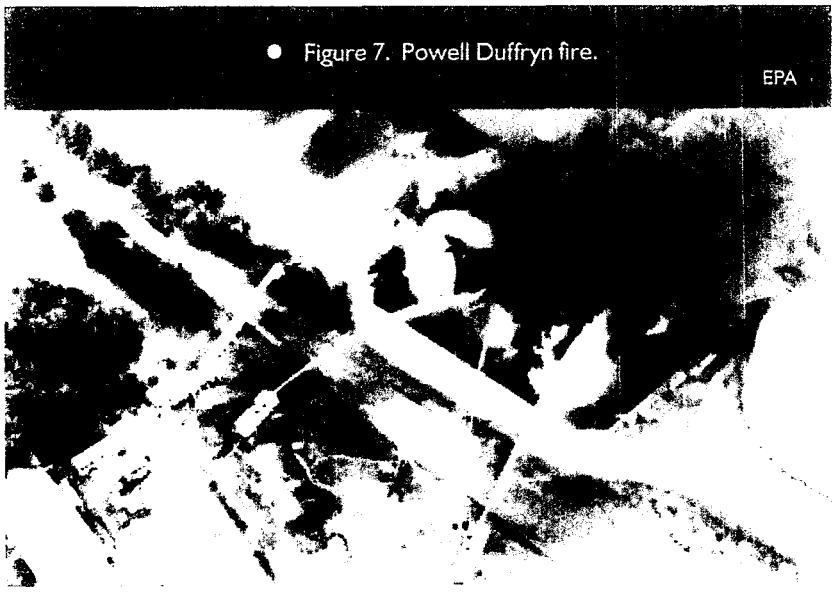
Powell Duffryn terminal fire, Savannah, Georgia (337 medical evaluations, community evacuation)

On April 10, 1995, the force from an explosion in a solvent storage tank fractured NaHS transfer piping. Up to 300,000 gallons of NaHS spilled and mixed with a similarly large quantity of acidic cleaning solution (Figure 7). The NaHS and acid solution tanks were colocated inside an earthen containment.

The reaction released an enormous volume of H_2S, which caused 337 people to seek medical evaluations and forced 2,000 downwind residents to evacuate. The evacuation lasted more than 30 days as H_2S continued to evolve from NaHS-saturated soil.

This incident illustrates the failure of management systems to identify and evaluate the hazards associated with colocating incompatible materials inside a single spill containment. The EPA investigation report (1998) is available at http://yosemite.epa.gov/opa/admpress.nsf/0/8e314f057b62e118852565fe006fa986?OpenDocument.

EPAHO089000333



● Figure 7. Powell Duffryn fire.

EPA

Stone Savannah River pulp and paper mill, Wentworth, Georgia (1 killed, 4 injured)

On December 8, 1990, one worker was killed and four injured when a large quantity of H_2S formed during acid cleaning of a 20,000-gallon pulping solution pressure filter. H_2S was routinely produced inside the process vessel when the cleaning solution was used to dissolve NaHS-containing pulping filtrate. Local exhaust ventilation normally controlled the H_2S.

However, on the day of this incident, H_2S leaked from the system and accumulated inside the walled containment where workers were operating valves. According to witnesses, the workers immediately smelled H_2S and tried to escape, but were overwhelmed before being able to climb out of the valve pit.

Westvaco paper mill, Covington, Virginia (10 injured)

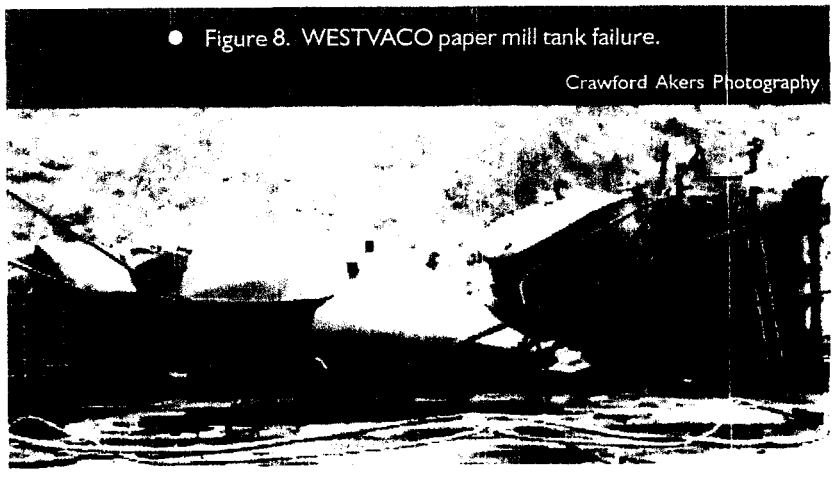
On May 4, 1988, 10 employees were hospitalized for H_2S exposure when a 300,000-gallon storage tank containing pulping solution collapsed (Figure 8). The plant sewer system routinely controlled storm runoff, spills, and discharged wastes.

However, when the NaHS-containing pulping solution entered the sewer, it reacted with waste acids and produced H_2S—which escaped via drains, vents, and manways. The 10 injured employees were working at various locations near the vents and manways.

Horween Leather Company, Chicago, Illinois (8 killed, 43 injured)

On February 14, 1978, eight workers were killed, 43 were injured, and 57 sought medical evaluation after being overwhelmed by H_2S. The incident began when a substitute delivery driver unloaded a tanker truck of NaHS into a storage tank containing an acid. He was unfamiliar with plant operations and NaHS hazards, and was unsupervised by plant personnel.

A large volume of H_2S was immediately generated, which led to evacuation of the entire plant and surrounding community. Although the tank fill line coupling



● Figure 8. WESTVACO paper mill tank failure.

Crawford Akers Photography

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was designed to prevent inadvertent mixing, the driver created a makeshift coupling when he was unable to attach the line from the truck.

Prime Tanning Company, Berwick, Maine (6 killed)

On April 2, 1971, six workers died when NaHS was inadvertently pumped into a tank containing acidic chrome tanning liquor, which has a pH of 3 to 4. The NaHS delivery drivers had been instructed where to offload their tanker truck.

When the drivers discovered that the truck's fill nozzle would not fit the tank's coupler, they used an adapter nozzle. There was no labeling on the tank to identify its contents or to warn of the potential hazard. Approximately 160 gallons of NaHS had been transferred to the tank before one of the drivers noticed that workers inside the plant were collapsing. NaHS had mixed with the chrome liquor to produce H_2S.

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Effluent Caustic Treating Systems Utilizing MERICON[SM] Technologies (cont)

2. Types of Used Caustic

Before the refinery or petrochemical plant decides to install a used caustic treatment plant, they must first try to reduce the production of these streams by optimizing their hydrocarbon treaters and by using caustic regenerators. Once a manufacturer has minimized the production of their used caustic solutions, and they have decided that handling through an outside company is too expensive, then they must decide on the best treating system for the type of caustic solutions being generated.

Used caustics are classified into three types: sulfidic, cresylic and naphthenic caustics. Sometimes the plant does not have the facilities to segregate the used caustic solutions into these various classifications and, therefore, a mixed used caustic stream is produced. This is considered a fourth type of used caustic solution.

2.1 Sulfidic Caustic

Sulfidic caustic is generated from fuel gas, liquefied petroleum gas (LPG) and gasoline treating processes. The composition of a typical refinery sulfidic caustic stream is displayed in Table 2. The typical contaminants are sodium sulfide and sodium mercaptide. These compounds cause high COD and BOD in the WWTP and produce odors and dangerous gases when neutralized.

Table 2. Characteristics of Typical Refinery Sulfidic Caustic Streams

Free NaOH, wt%	2 to 10
Sulfides and Bisulfides as S, wt%	0.5 to 4
Mercaptides as S, wt%	0.1 to 4
Carbonates as CO_3, wt%	0 to 4
pH	13 to 14
Ammonia	Trace

Sulfidic caustic solutions are sold as treating agents to pulp and paper plants or to the mining industry for purifying certain metal ores. Since these end-users require consistent quality, sulfidic caustic is usually sold to intermediate companies that blend the required product quality while providing just-in-time transportation and delivery service. The total sodium content of these streams is important as well as the sodium-to-sulfur ratio. Although sulfidic caustic solutions are valuable to the industries that use them, in actual practice, transportation and handling costs can easily exceed product value.

When production of sulfidic caustic is high or potential end-users are far away, resulting in high transportation costs, onsite processing may be the most economical option. Processing knowledge of used caustics is extremely important to ensure the treated caustic will not become an environmental liability. Generally speaking, several alternatives are available to manufacturers to treat sulfidic caustic.

- Partial wet air oxidation of sodium sulfide to sodium thiosulfate.
- Total wet air oxidation of sodium sulfide to sodium sulfate.
- Deep neutralization to a low pH to liberate hydrogen sulfide and mercaptans.
- Thermal incineration.
- Chemical oxidation.
- Reusing the sulfidic caustic in other areas of the plant, e.g., sweetening cracked gasoline. In this case, the value of the resultant caustic is enhanced due to increased cresylic content.
- Routing used caustic solutions to the crude unit or sour water stripper.
- Disposing of sulfidic caustic through outside company.

2.2 Cresylic Caustic

Cresylic caustic solutions are characterized by the presence of aromatic acid oils and typically are produced by caustic washing cracked gasolines and cracked distillates. These used caustic streams contain phenols, cresols and other organic acids that are generally present as water-soluble cresylates. These cresylates will separate from the caustic as acid oils at a neutral pH.

Cresylic caustic solutions produced from treating cracked gasolines generally come from two sources: 1) mercaptan extraction or oxidation systems using strong caustic; and 2) mercaptan oxidation systems using weak caustic. Table

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strong caustic, and 2) mercaptan oxidation systems using weak caustic. Table 3 shows the characteristics of a typical cresylic caustic.

Table 3. Characteristics of Typical Refinery Cresylic Caustic Streams

	Strong Caustic Operation	Dilute Caustic Operation
NaOH, wt%	10 to 15	1 to 4
Sulfides as S, wt%	0 to 1	0 to 0.2
Mercaptides as S, wt%	0 to 4	0 to 0.5
Cresylic Acids, wt%	10 to 25	2 to 5
Carbonates as CO_3, wt%	0 to 0.5	0 to 0.1
pH	12 to 14	12 to 14

Cresylic caustic solutions resulting from a strong caustic operation can be sold as a chemical feedstock for the production of phenolic compounds. These streams typically contain at least 10 wt% of cresylic compounds (average content is 15 wt%) in addition to sulfur compounds like sodium sulfide and mercaptides. Chemical companies recover cresylic compounds for sale as intermediate chemicals. As before, logistics may cause railroad or barge transportation costs to exceed the value of the cresylic caustic stream.

Cresylic caustic solutions derived from a weak caustic operation typically contain less than 5 wt% cresylics. The low acid oil content drastically increases transportation and processing costs per weight of cresylate. For these reasons, this type of byproduct has less commercial value and may be a good candidate for onsite processing.

Cresylic caustic solutions processed onsite should be segregated from other used caustics and neutralized with an acid or acid gas to a pH of 7. Additional facilities are needed to solvent-extract the neutralized caustic (brine) to reduce levels of soluble cresols in the brine water phase. The biological WWTP may remove the remaining cresylics, provided the biological mass receives a steady diet of these compounds without abrupt fluctuations in concentration or total weight. Recovered acid oils can be sold or recycled to refinery processes that can tolerate the acid oil sodium content.

Another option still, concerning phenolic caustic streams, is the ECOMERICAT^{SM} process. This technology is used to both sweeten cracked gasolines and neutralize the resulting used caustic with carbon dioxide. The ECOMERICAT^{SM} process springs phenolic compounds out of the caustic and returns them to the gasoline stream, thereby enriching the product and reducing the phenol contamination in the caustic.

2.3 Naphthenic Caustic

Naphthenic caustic solutions are generated from caustic treatment of kerosene and diesel cuts from a naphthenic crude slate. Naphthenic acids must be removed from the caustic solution by strong acid neutralization. Insufficient removal of naphthenic acids will significantly raise COD and BOD levels of the WWTP feed. These solutions typically contain 5 to 15 wt% naphthenic acids depending on the fresh caustic concentration, caustic strength changeout criteria and acidity of the jet fuel, kerosene or diesel stock being processed. Table 4 shows typical characteristics of naphthenate streams derived from kerosene and diesel stocks.

***Table 4. Characteristics of Typical Refinery* Naphthenic Caustic Streams**

	Jet Fuel / Kerosene	**Diesel**
NaOH, wt%	1 to 4	1 to 4
Sulfide as S^-, wt%	0 to 0.1	Trace
Mercaptide as S^+, wt%	0 to 0.5	0 to 0.5
Naphthenic acids, wt%	2 to 10	2 to 15
Cresylics, wt%	1 to 3	0 to 1
pH	12 to 14	12 to 14

Naphthenic caustic solution can be sold assuming its value is not overcome by high freight costs or debits for low naphthenic content. Outside processors neutralize these solutions to recover the naphthenic acids and refine them for sale to producers of naphthenate metal salts. Acids derivedfrom jet fuel/kerosene have high acidities in the 240 to 250 mg KOH/g range, while acids from diesel are on the order of 180 to 200 mg KOH/g. In most cases, the higher acidity products are worth more in the marketplace.

For refiners whose treaters produce high volumes of low concentration naphthenic caustic solutions, onsite processing may be the most economical option. Naphthenic solutions cannot be oxidized with air because sodium naphthenate will foam vigorously.

Refiners should use a process that:

- Neutralizes the caustic solution with a strong acid to a pH of 2.
- Recovers the sprung naphthenic acid oils and cleans up the remaining organic compounds. Sprung acid oils can be sold or recycled in the refinery wherever sodium can be tolerated.
- Brings the pH of the acidified brine effluent up to the range required for final treatment in the WWTP.

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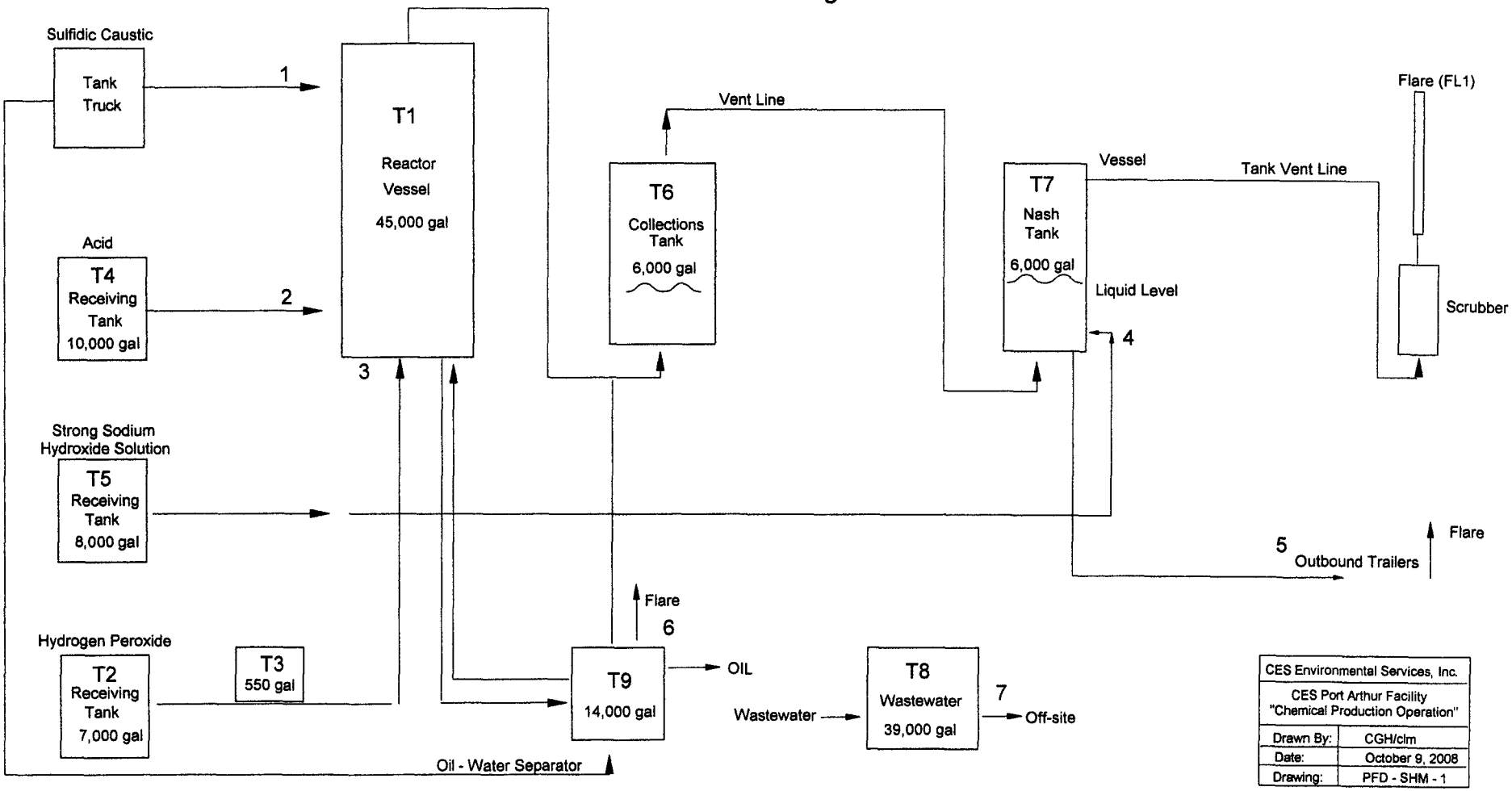
Section

2

"Sodium Hydrosulfide Manufacturing

(SHM – 1) (PFD)"

CES Port Arthur Inorganic Chemical Production Operation Process Flow Diagram



CES Environmental Services, Inc.	
CES Port Arthur Facility "Chemical Production Operation"	
Drawn By:	CGH/clm
Date:	October 9, 2008
Drawing:	PFD - SHM - 1

EPAHO08900342

Section

1

"Project Information"

and

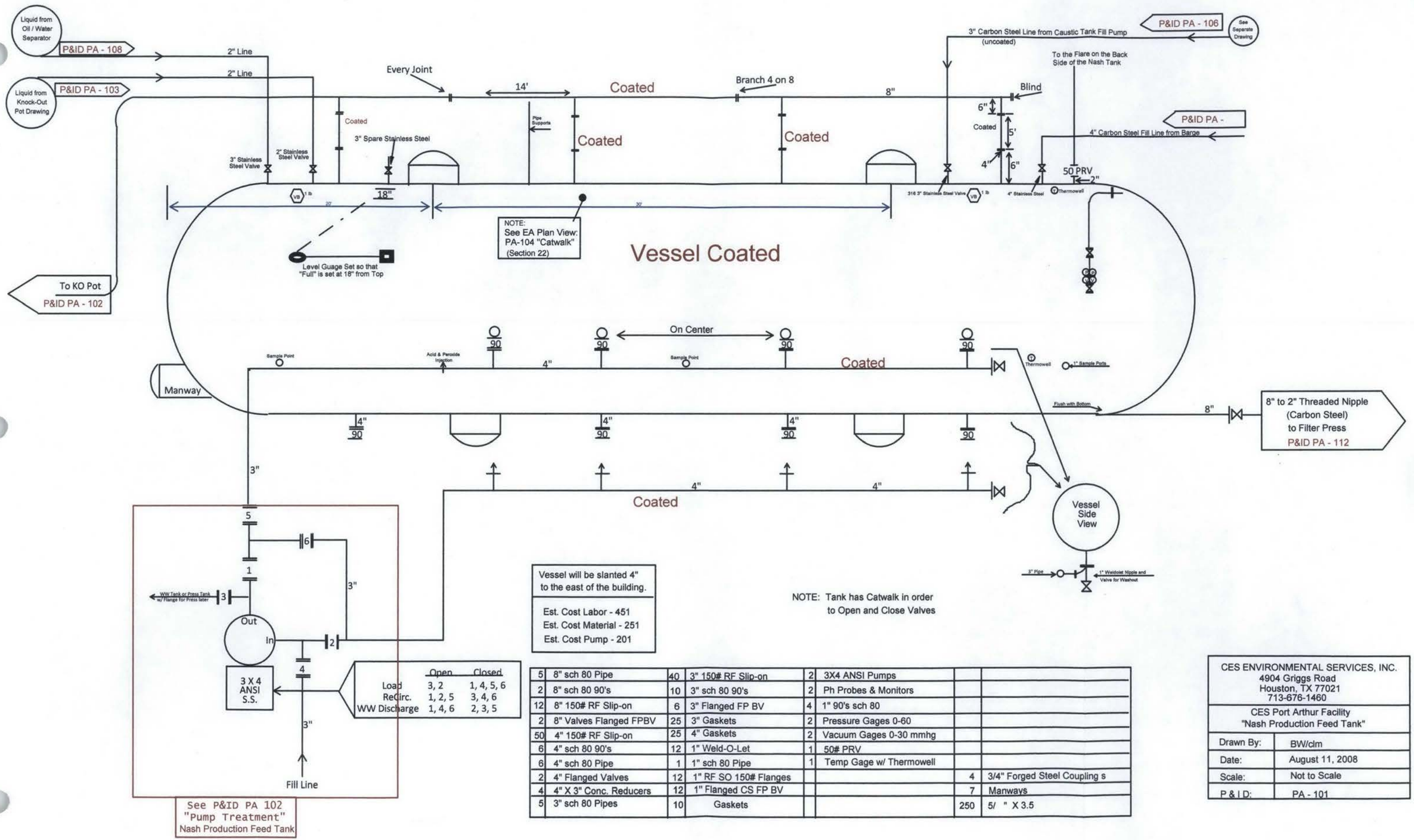
"Refining Technology Processes"

Section

3

P & I D: PA – 101

"Nash Production Feed Tank"



Vessel will be slanted 4" to the east of the building.

Est. Cost Labor - 451
Est. Cost Material - 251
Est. Cost Pump - 201

NOTE: Tank has Catwalk in order to Open and Close Valves

5	8" sch 80 Pipe	40	3" 150# RF Slip-on	2	3X4 ANSI Pumps		
2	8" sch 80 90's	10	3" sch 80 90's	2	Ph Probes & Monitors		
12	8" 150# RF Slip-on	6	3" Flanged FP BV	4	1" 90's sch 80		
2	8" Valves Flanged FPBV	25	3" Gaskets	2	Pressure Gages 0-60		
50	4" 150# RF Slip-on	25	4" Gaskets	2	Vacuum Gages 0-30 mmhg		
6	4" sch 80 90's	12	1" Weld-O-Let	1	50# PRV		
6	4" sch 80 Pipe	1	1" sch 80 Pipe	1	Temp Gage w/ Thermowell		
2	4" Flanged Valves	12	1" RF SO 150# Flanges			4	3/4" Forged Steel Coupling s
4	4" X 3" Conc. Reducers	12	1" Flanged CS FP BV			7	Manways
5	3" sch 80 Pipes	10	Gaskets			250	5/ " X 3.5

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
713-676-1460

CES Port Arthur Facility
"Nash Production Feed Tank"

Drawn By:	BW/clm
Date:	August 11, 2008
Scale:	Not to Scale
P & I D:	PA - 101

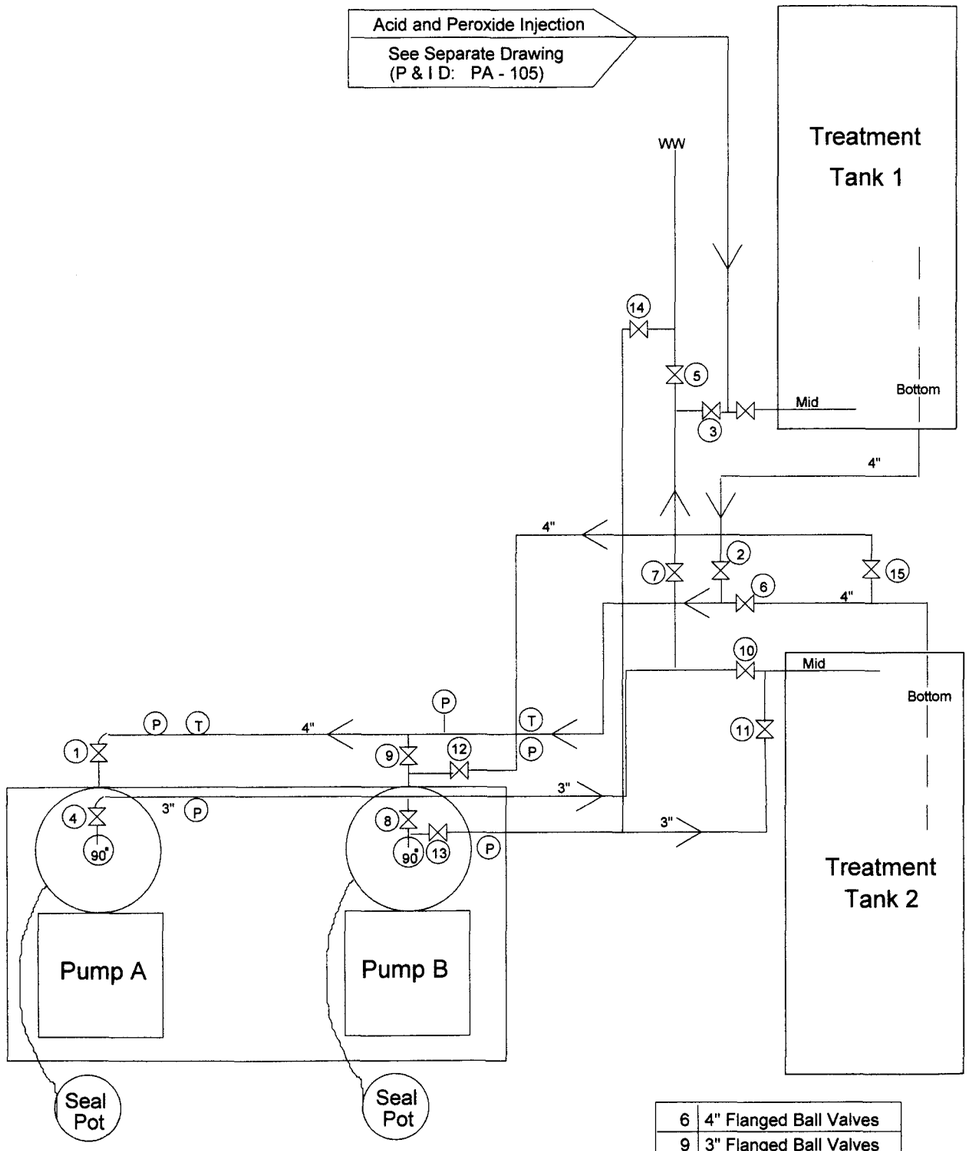
EPAHO08900346

Section

4

P & I D: PA – 102

"Pump A&B Treatment Tanks for Nash Production Feed Tank"



6	4" Flanged Ball Valves
9	3" Flanged Ball Valves
20	4" Flanges
26	3" Flanges
25	4" 90 deg Sch 80
25	3" 90 deg Sch 80
8	4" Tees Sch 80
8	3" Tees Sch 80
20	4" Gaskets
20	3" Gaskets

Pump A

Treatment Tank 1
Circulate - Open 1, 2, 3, 4, 7
Discharge - Open 1, 2, 4, 5, 7

Treatment Tank 2
Circulate - Open 1, 4, 6, 10
Discharge - Open 1, 4, 5, 6, 7

Pump B

Treatment Tank 1
Circulate - Open 2, 3, 7, 8, 9
Discharge - Open 2, 5, 7, 8, 9

Treatment Tank 2
Circulate - Open 6, 8, 9, 10
Discharge - Open 5, 6, 7, 8, 9

Run Both Systems Simultaneously

Pump A - Treatment Tank 1
Circulate - Open 1, 2, 3, 4, 7
Discharge - Open 1, 2, 4, 5, 7

Pump B - Treatment Tank 2
Circulate - Open 11, 12, 13, 15
Discharge - Open 12, 13, 14, 15

DO NOT DISCHARGE BOTH TANKS AT THE SAME TIME

CES Environmental Services, Inc. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Pump A & B Treatment Tanks for Nash Production Feed Tank"	
Drawn By:	BW/clm
Date:	August 7, 2008
Scale:	Not to scale
P & I D:	PA - 102

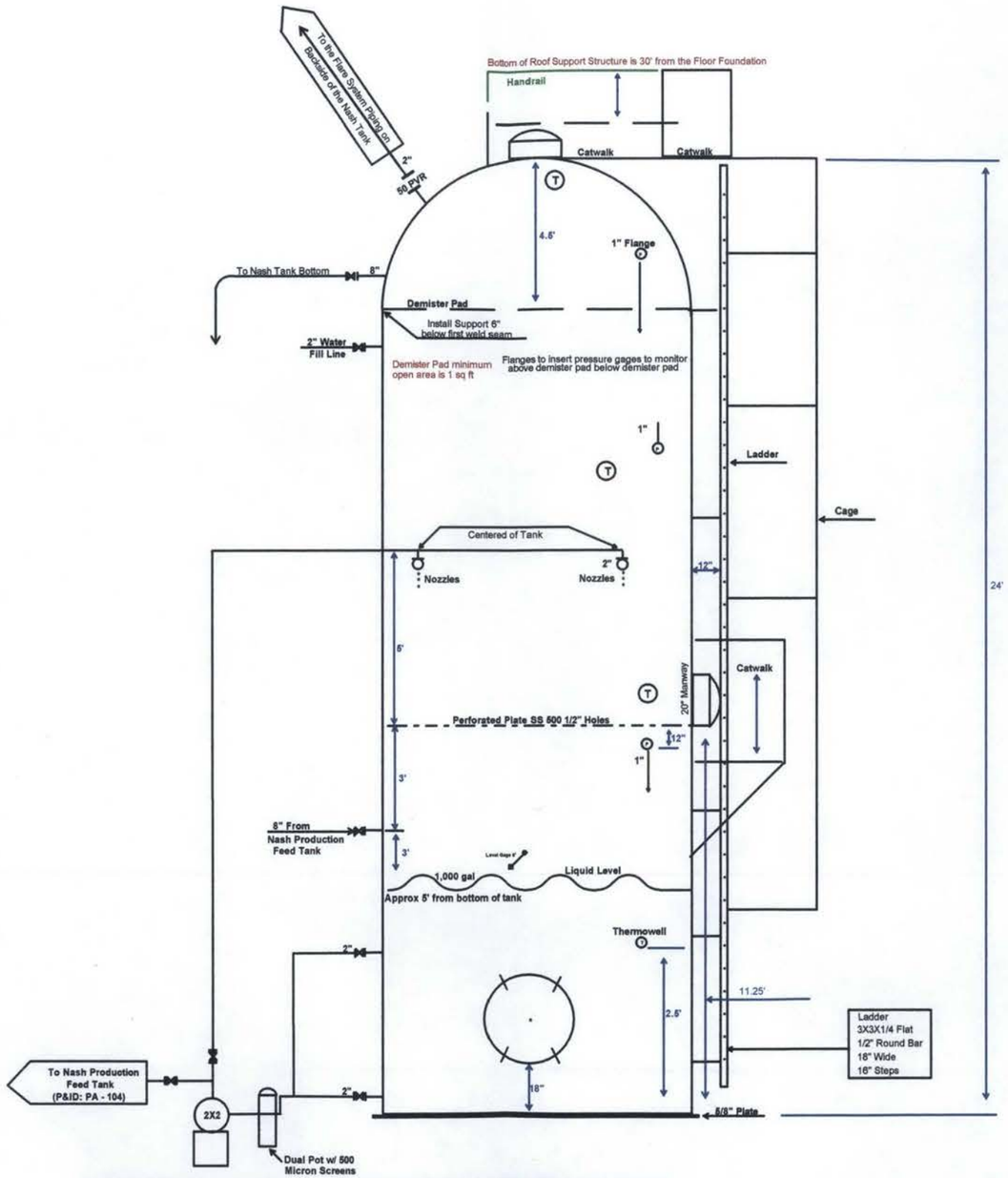
EPAHO08900349

Section

5

P & I D: PA – 103

"Knock Out Tank"



1	6X6X5/8" Plate			1	8" Sch 80 Tee	1	Magnetic Level Gage
3	2" Sch 80 Pipe					10	2" Gaskets
8	2" RF Slip-on Flanges	4	3X14 Strap			1	2X2 Pump
6	2" Flanged Ballvalves CS FP	2	1/2" Round Stock			1	Demister Pad
6	2" 90's SW	6	2X2X3/16)>			1	Temp Gage / Thermowell
4	1" 150# RF Slip-on	1	3/16X1X3' Grating			1	Perf Plate w/ 500 1/2" Holes
5	1" Sch 80 Pipe (Press Gage)	6	2X3/16 Strap			1	50# PRV
4	1" SW 90's					3	Pressure Gases 0-60
8	2" Tees SW	4	8" 150# RF Slip-ons			3	Manways
8	1" Flanged BV CS	2	8" Ball Valves Flanged Full Port			64	5/8X3.5" Studs; 128 Nuts
		1	8" Sch 80 Pipe				
		2	8" Sch 80 90's				

CES ENVIRONMENTAL SERVICES, INC.	
4904 Griggs Road	
Houston, TX 77021	
713-676-1460	
CES Port Arthur Facility	
"Knock Out Tank"	
Drawn By:	BW/clm
Date:	August 7, 2008
Scale:	Not to Scale
P & I D:	PA - 103

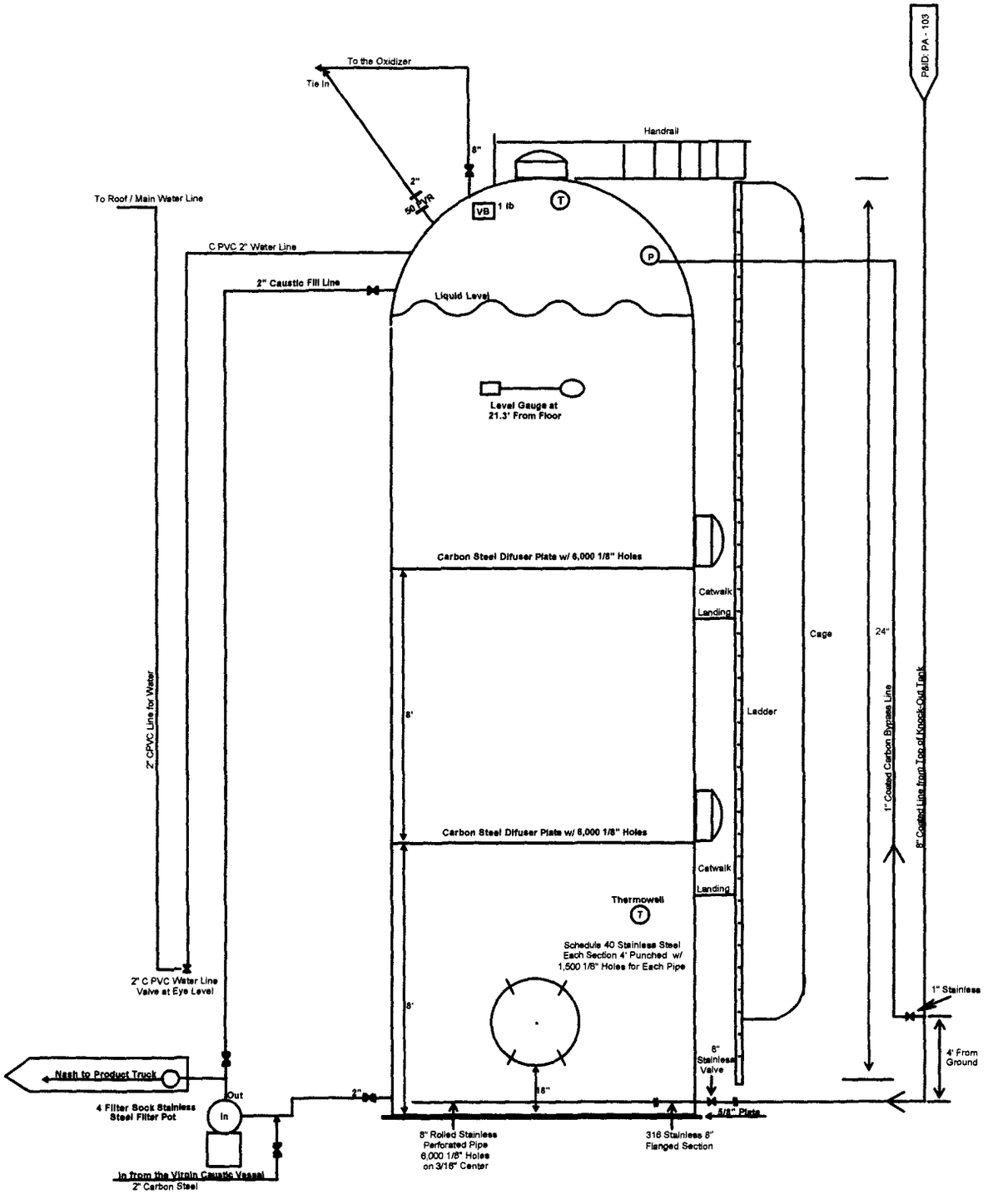
EPAHO08900352

Section

6

P & I D: PA – 104

"Nash Tank"



CES ENVIRONMENTAL SERVICES, INC.	
4904 Griggs Road Houston, TX 77021 713-676-1480	
CES Port Arthur Facility "Nash Tank"	
Drawn By:	BW/clm
Date:	August 11, 2008
Scale:	Not to Scale
P & I D:	PA - 104

EPAHO089000355

EPAHO089000356

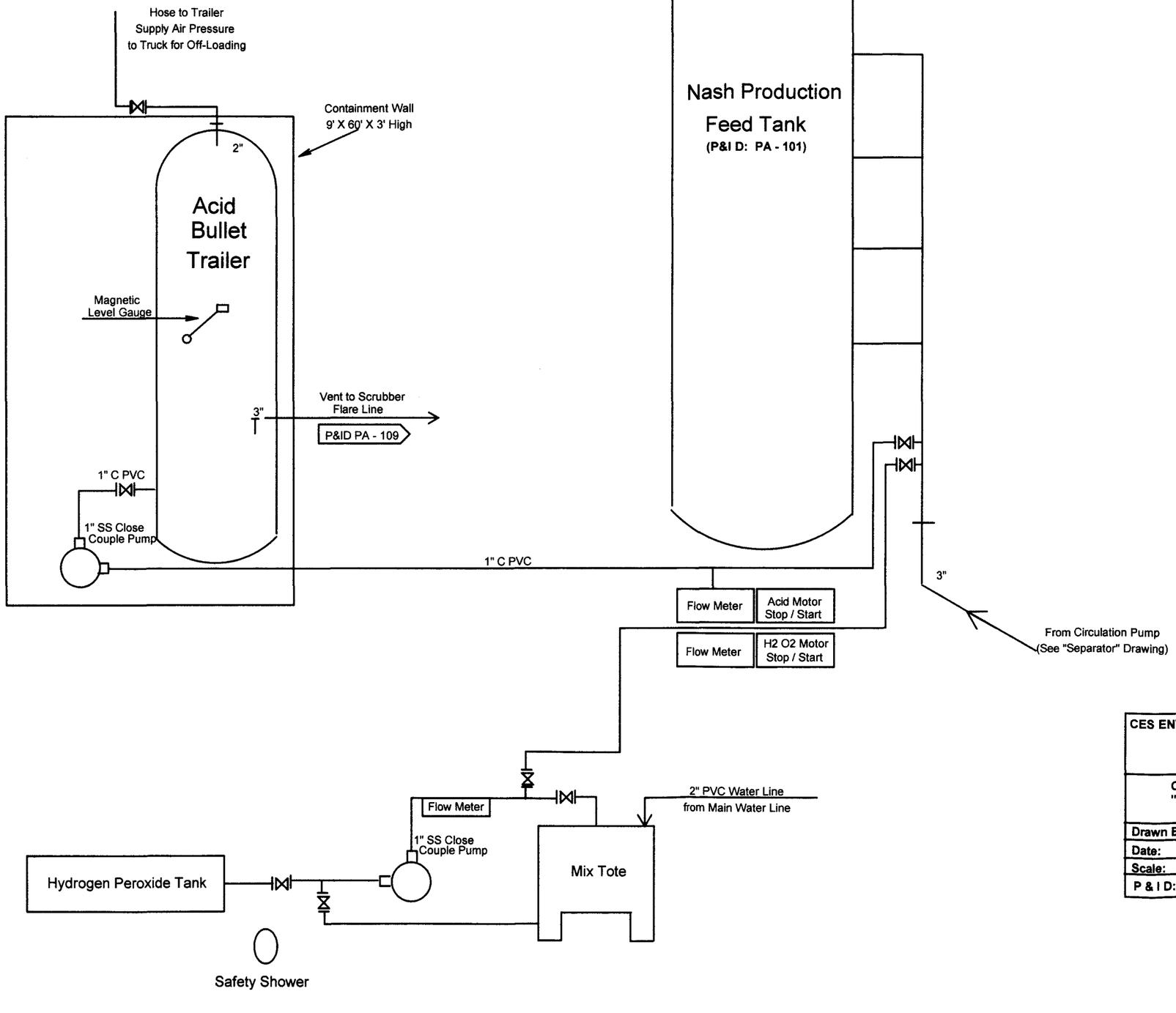
Section

7

P & I D: PA – 105

"Acid & H_2O_2 Injection Tank Layout"

Acid & H2O2 Injection
Tank Layout



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Acid & H2O2 Injection Tank Layout"	
Drawn By:	BW/clm
Date:	August 11, 2008
Scale:	Not to Scale
P & I D:	PA - 105

EPAHO08900358

EPAHO089000359

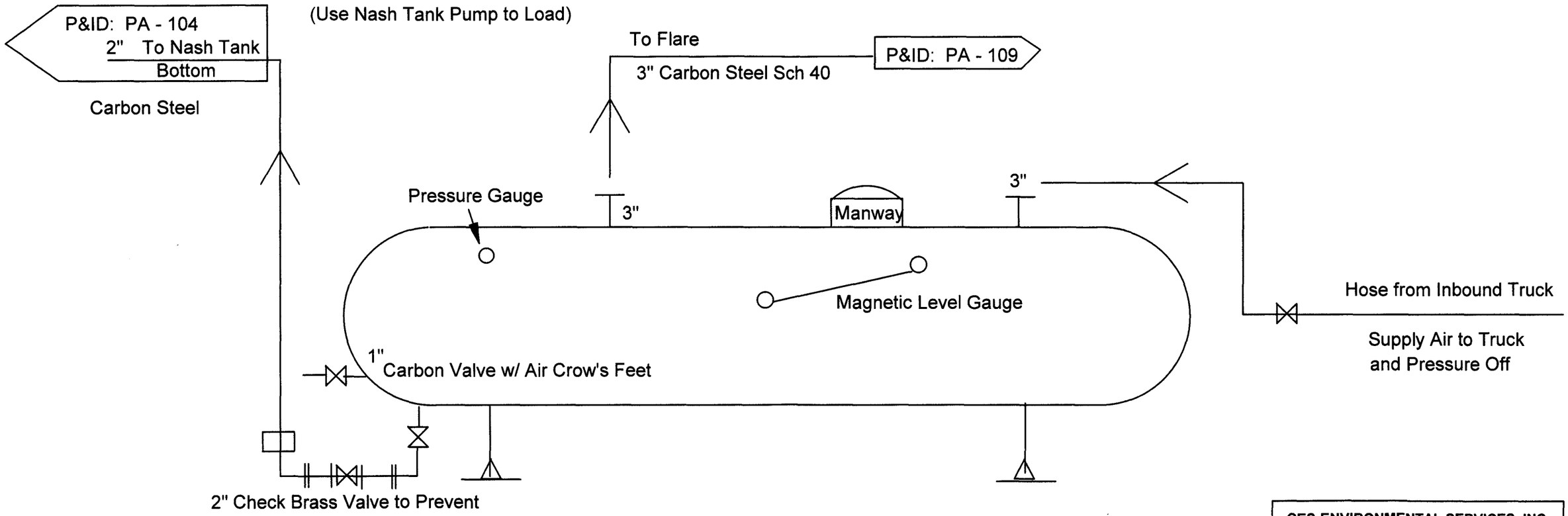
Section

8

P & I D: PA – 106

"Fresh Caustic Supply Tank"

Fresh Caustic Supply Tank



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Fresh Caustic Supply Tank"	
Drawn By:	MB/clm
Date:	August 11, 2008
Scale:	Not to Scale
P & I D:	PA - 106

EPAHO089000361

EPAHO089000362

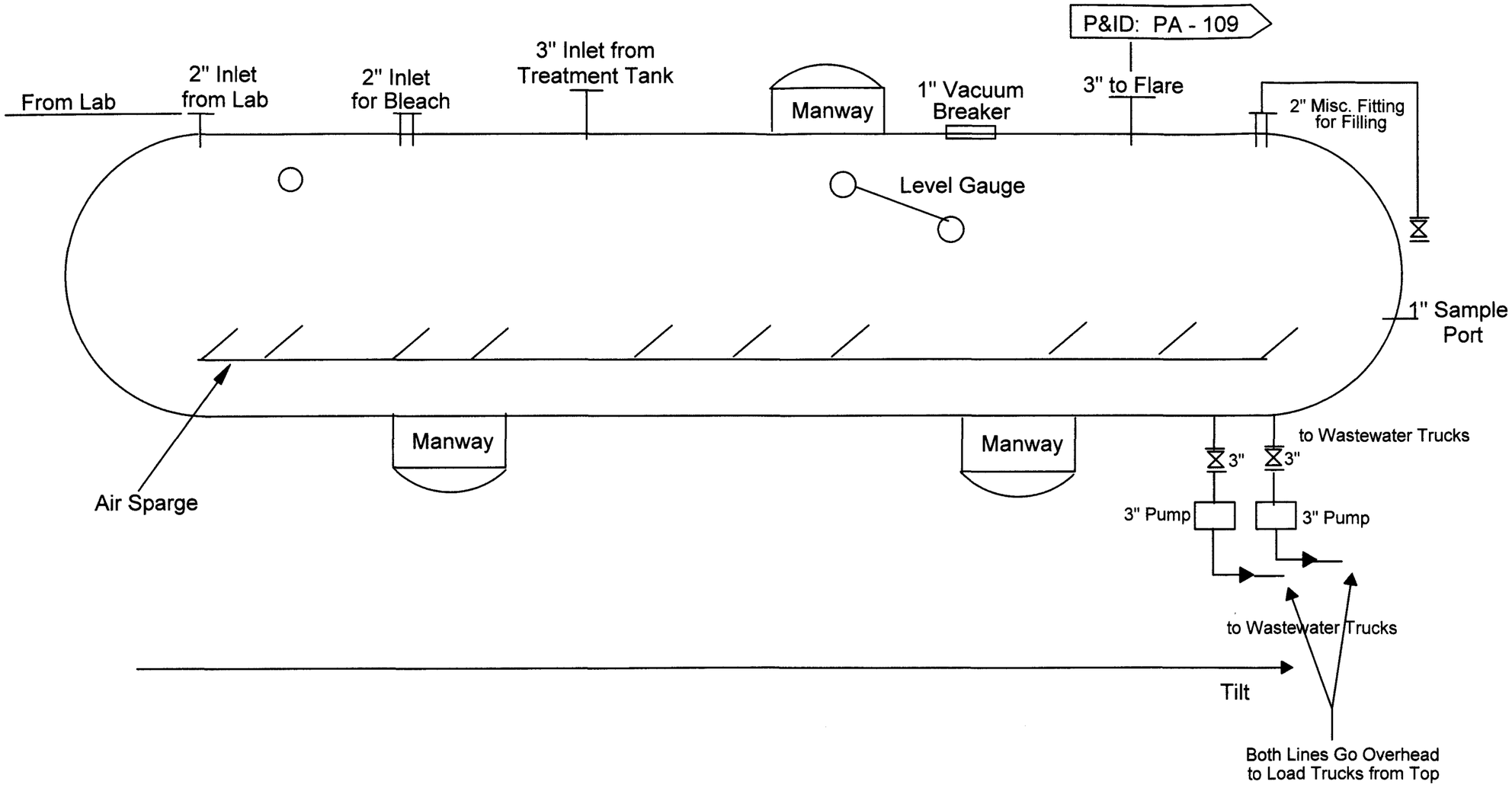
Section

9

P & I D: PA – 107

"Wastewater Tank"

Wastewater Tank



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Wastewater Tank"	
Drawn By:	MB/clm
Date:	August 11, 2008
Scale:	Not to Scale
P & I D:	PA - 107

EPAHO089000364

EPAHO089000365

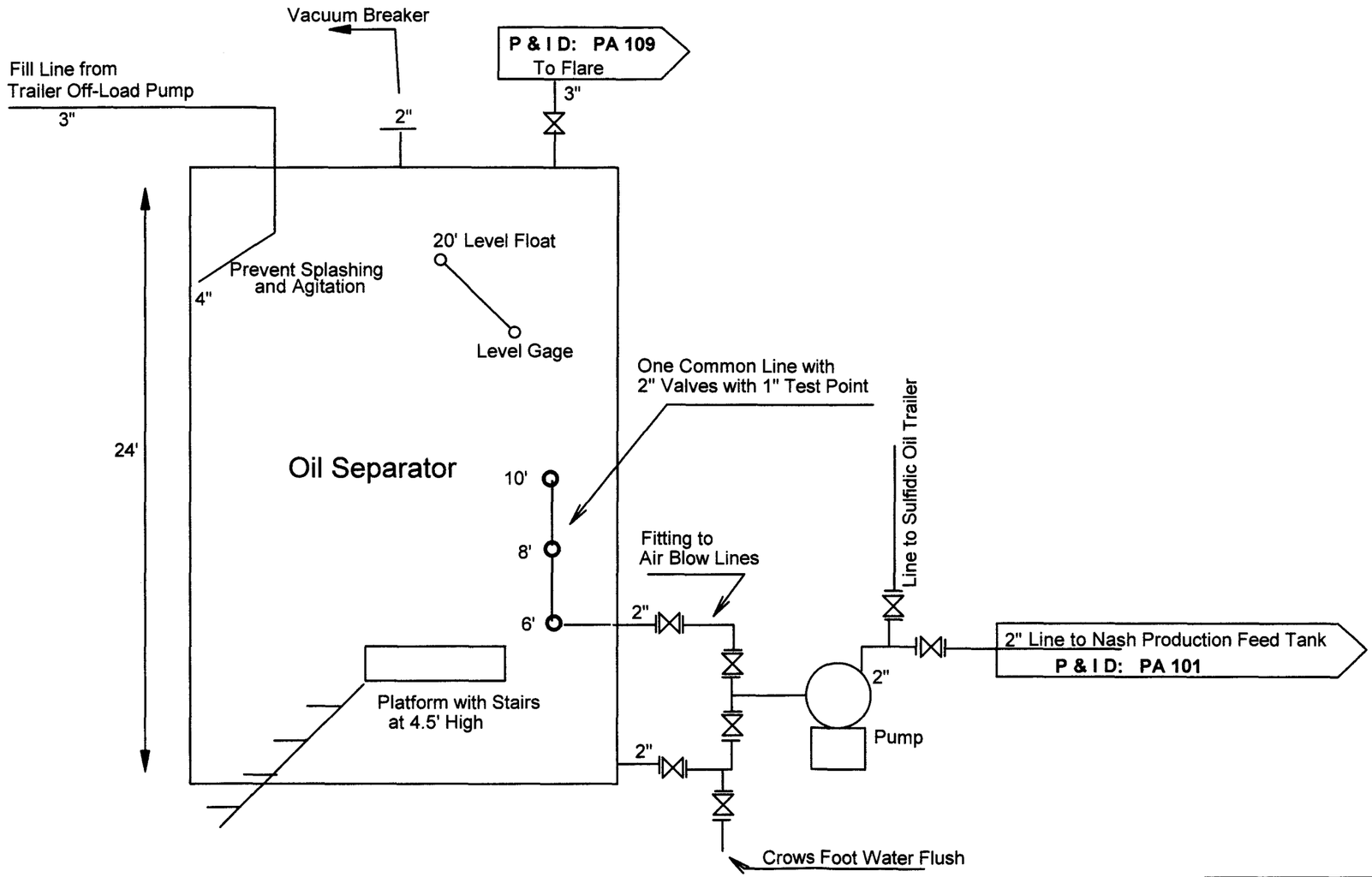
Section

10

P & I D: PA – 108

"Sulfidic Oil / Caustic Separator "

Sulfidic Oil / Caustic Separator



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Sulfidic Oil / Caustic Separator"	
Drawn By:	MB/clm
Date:	August 11, 2008
Scale:	Not to Scale
P & I D:	PA - 108

EPAHO089000367

EPAHO089000368

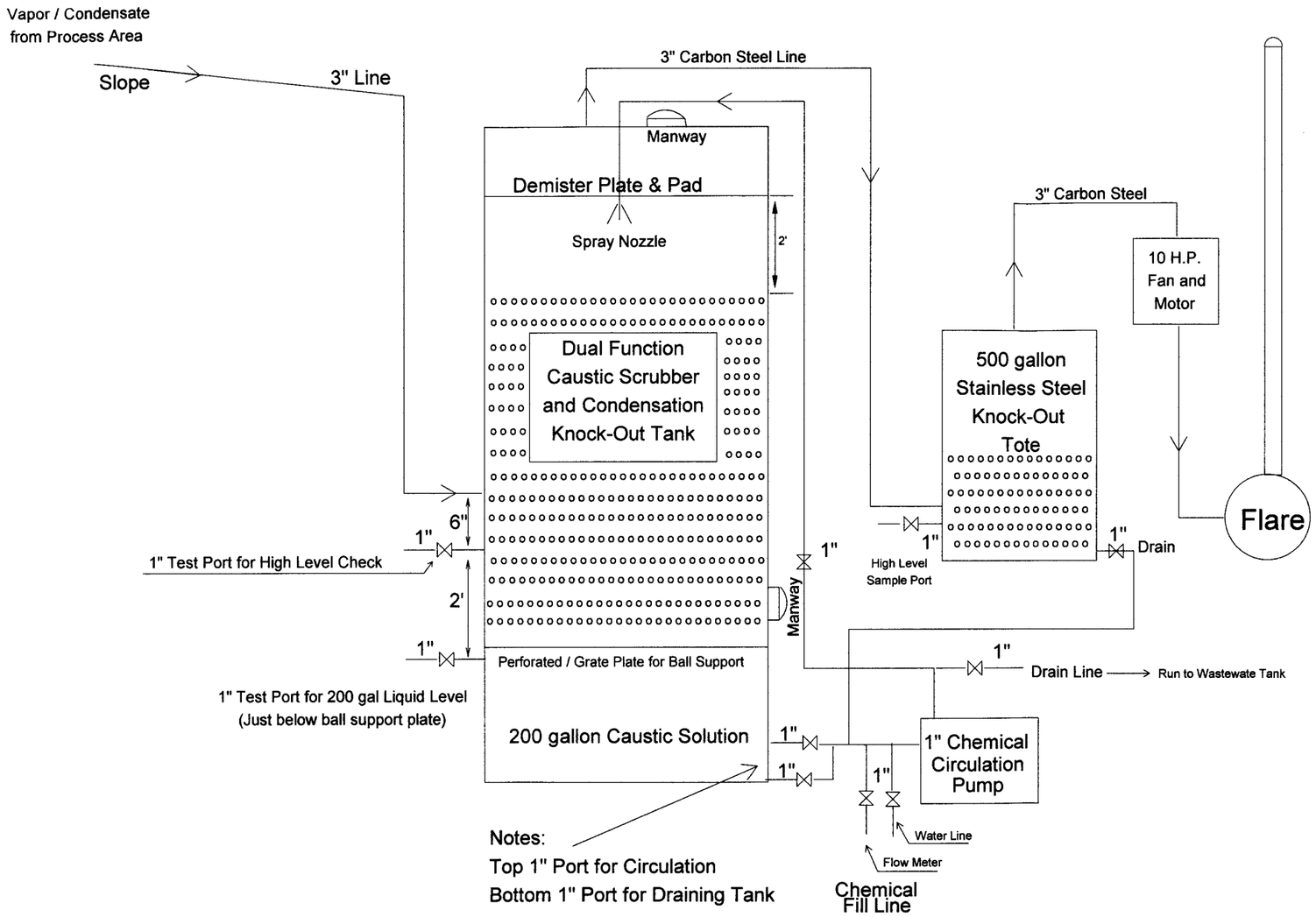
Section

11

P & I D: PA – 109

"Scrubber Flare System"

Vapor Lines, Scrubber, Flare Systems



CES Environmental Services, Inc. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Scrubber Flare System"	
Drawn By:	CGH/clm
Date:	August 7, 2008
Scale:	Not to scale
P&I D:	PA - 109

EPAHO089000370

EPAHO089000371

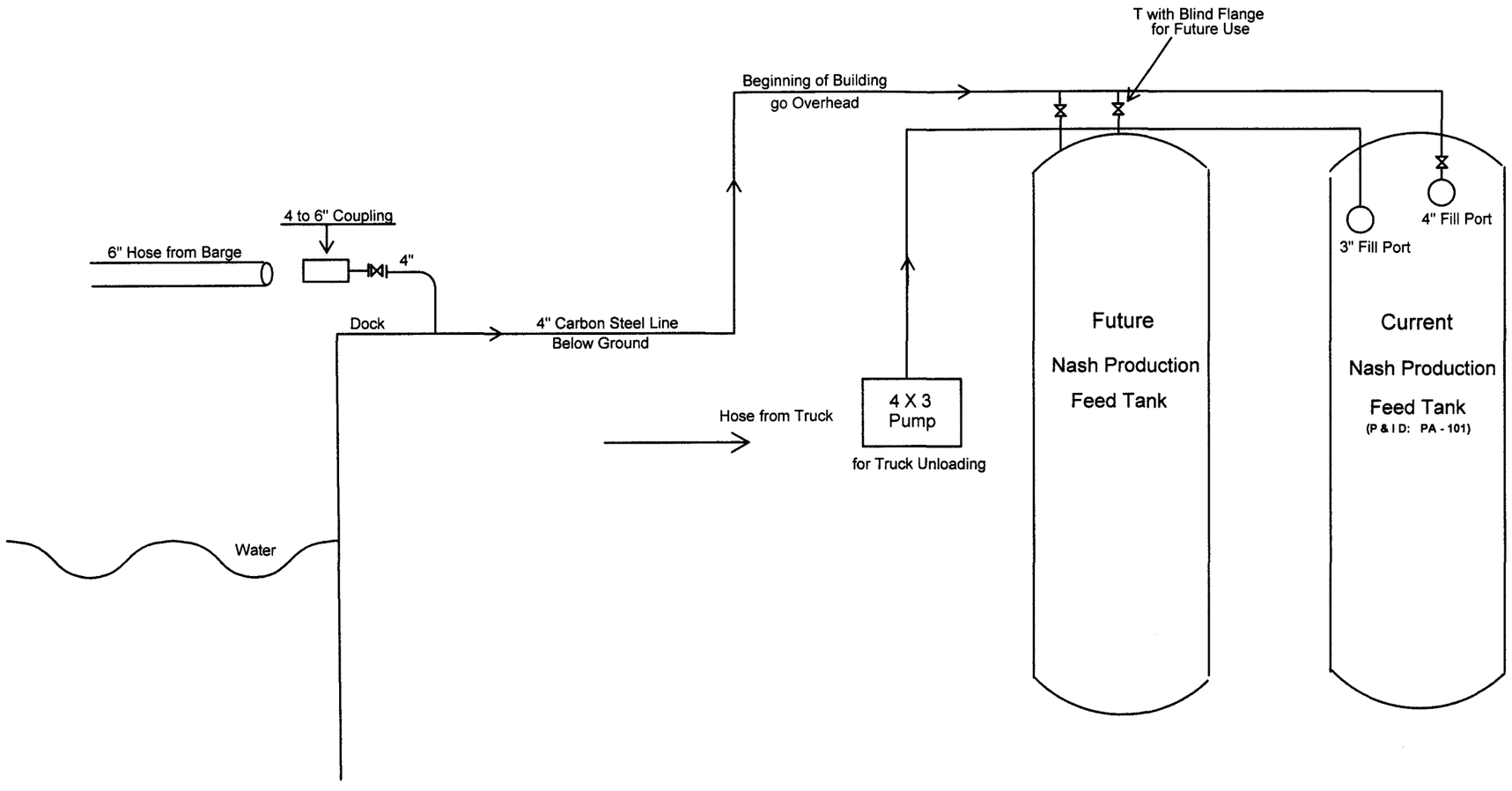
Section

12

P & I D: PA – 110

"Truck and Barge Caustic Receiving"

Truck and Barge Caustic Receiving



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Truck and Barge Caustic Receiving"	
Drawn By:	BW/clm
Date:	August 7, 2008
Scale:	Not to Scale
P & I D:	PA - 110

EPAHO089000373

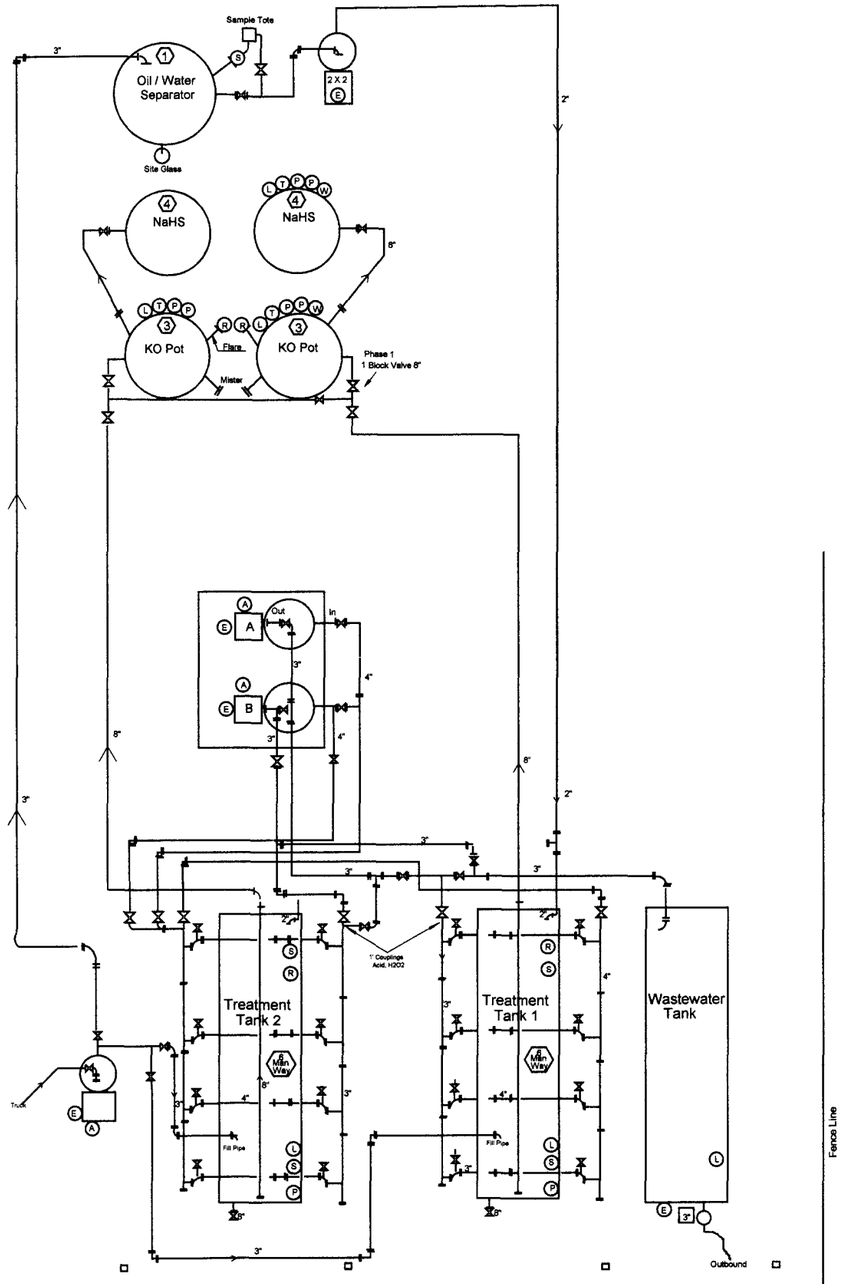
EPAHO089000374

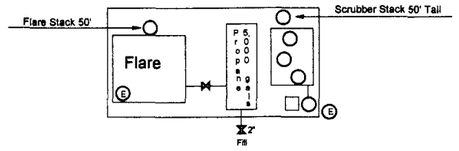
Section

13

P & I D: PA – 111

"Treatment Tanks 1 & 2 Wastewater Tank"





(E) Electrical Point
(S) 1" Flanged Sample Port w/ Valve
(P) 1" Flanged Pressure / Vacuum Gage
(A) Plant Air
(L) Level Gage
(M) Manways
(R) 50 # Pressure Relief Valve
(W) Water

CES Environmental Services, Inc. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Treatment Tanks 1 & 2 Wastewater Tank"	
Drawn By:	BW/clm
Date:	August 8, 2008
Scale:	Not to Scale
P & I D:	PA -111

EPAHO089000376

EPAHO089000377

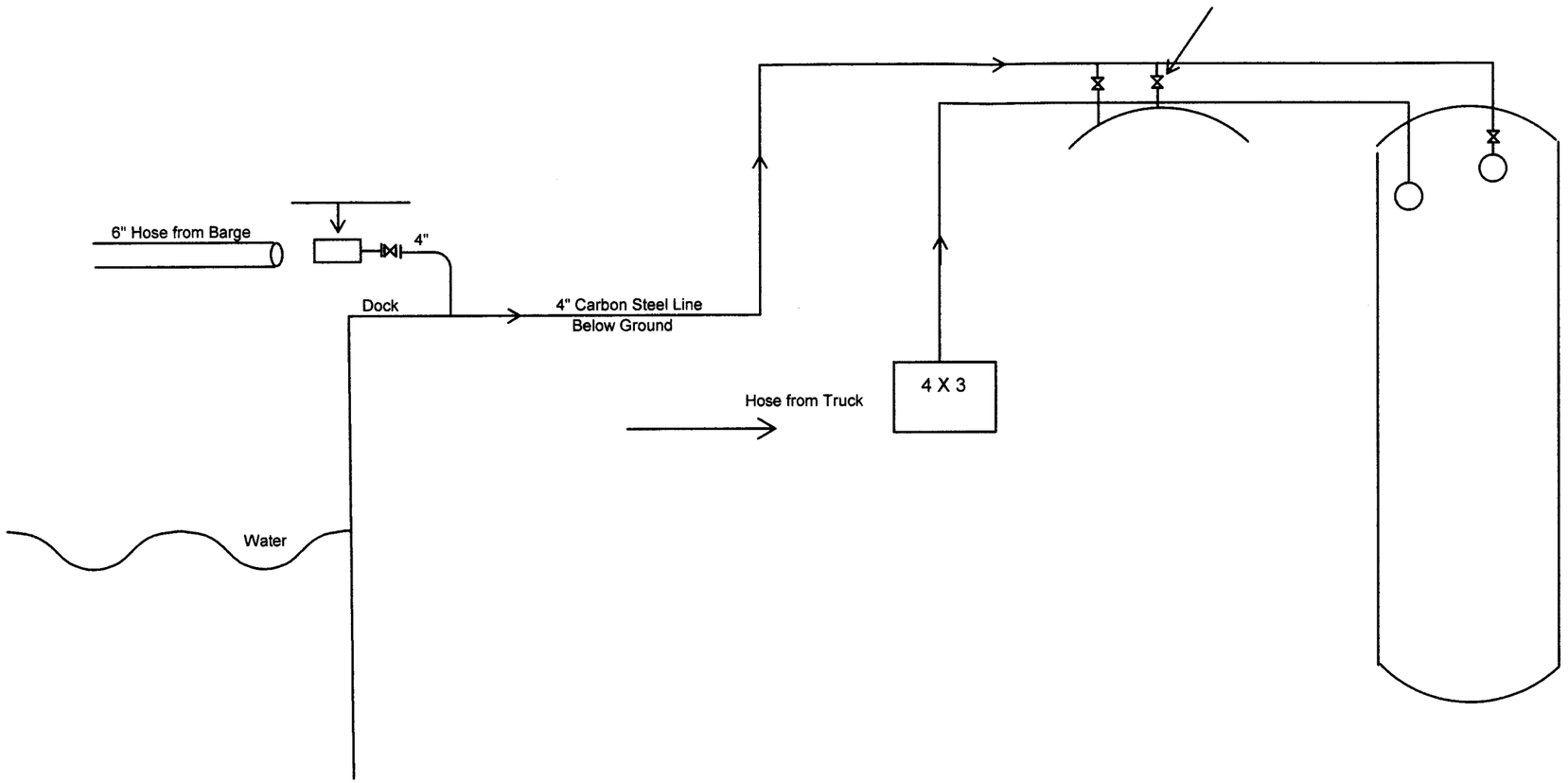
Section

14

P & I D: PA – 112

"Filter Press (future)"

Filter Press



CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road Houston, TX 77021 713-676-1480
CES Port Arthur Facility "Filter Press"

Drawn By:	BW/clm
Date:	August 7, 2008
Scale:	Not to Scale
P & I D:	PA - 112

EPAHO089000379

EPAHO089000380

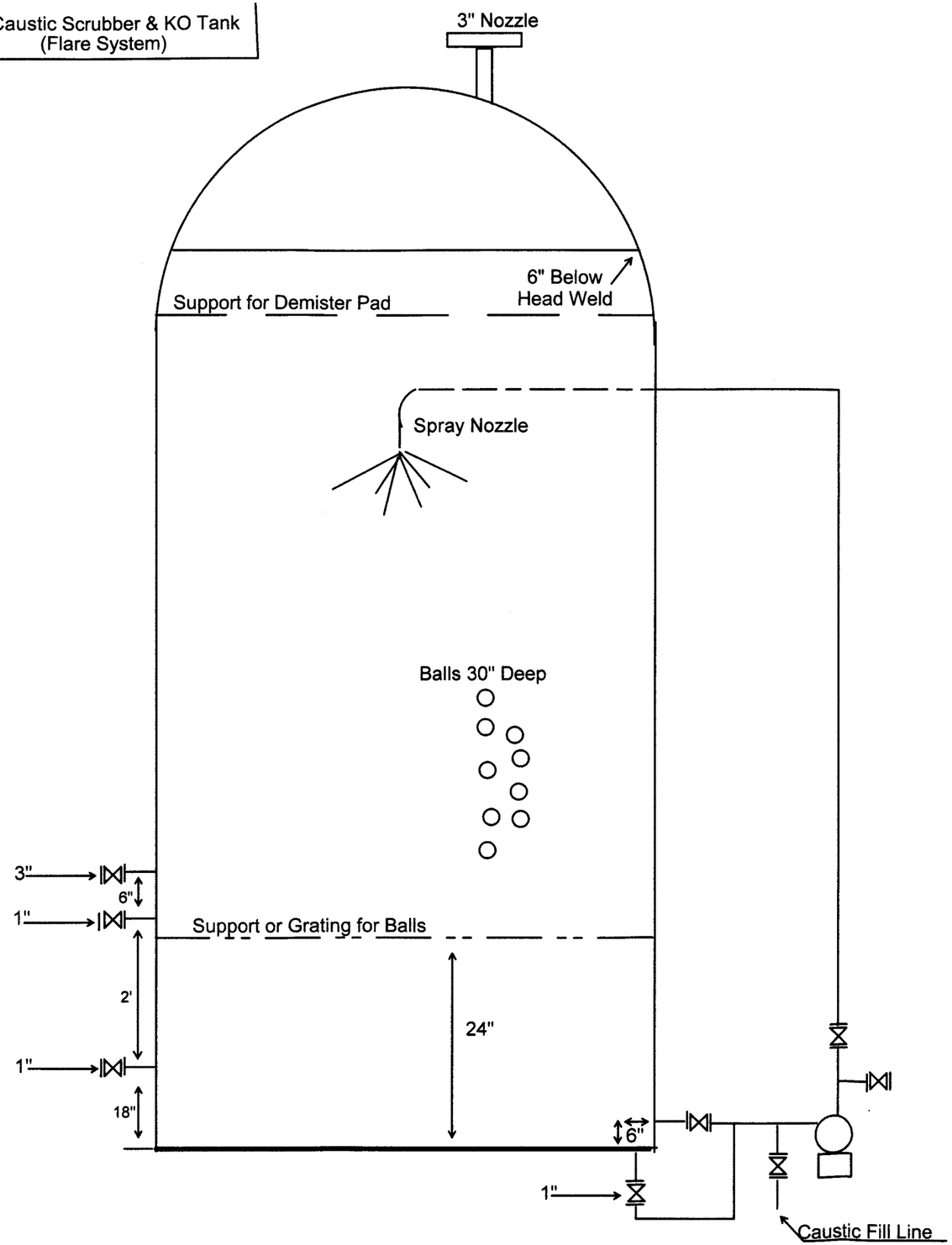
Section

15

P & I D: PA – 113

"Caustic Scrubber & KO Tank"

Caustic Scrubber & KO Tank
(Flare System)



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility	
"Caustic Scrubber and KO Tank" (Flare System)	
Drawn By:	BW/clm
Date:	August 14, 2008
Scale:	Not to Scale
P & I D:	PA - 113

EPAHO08900382

EPAHO089000383

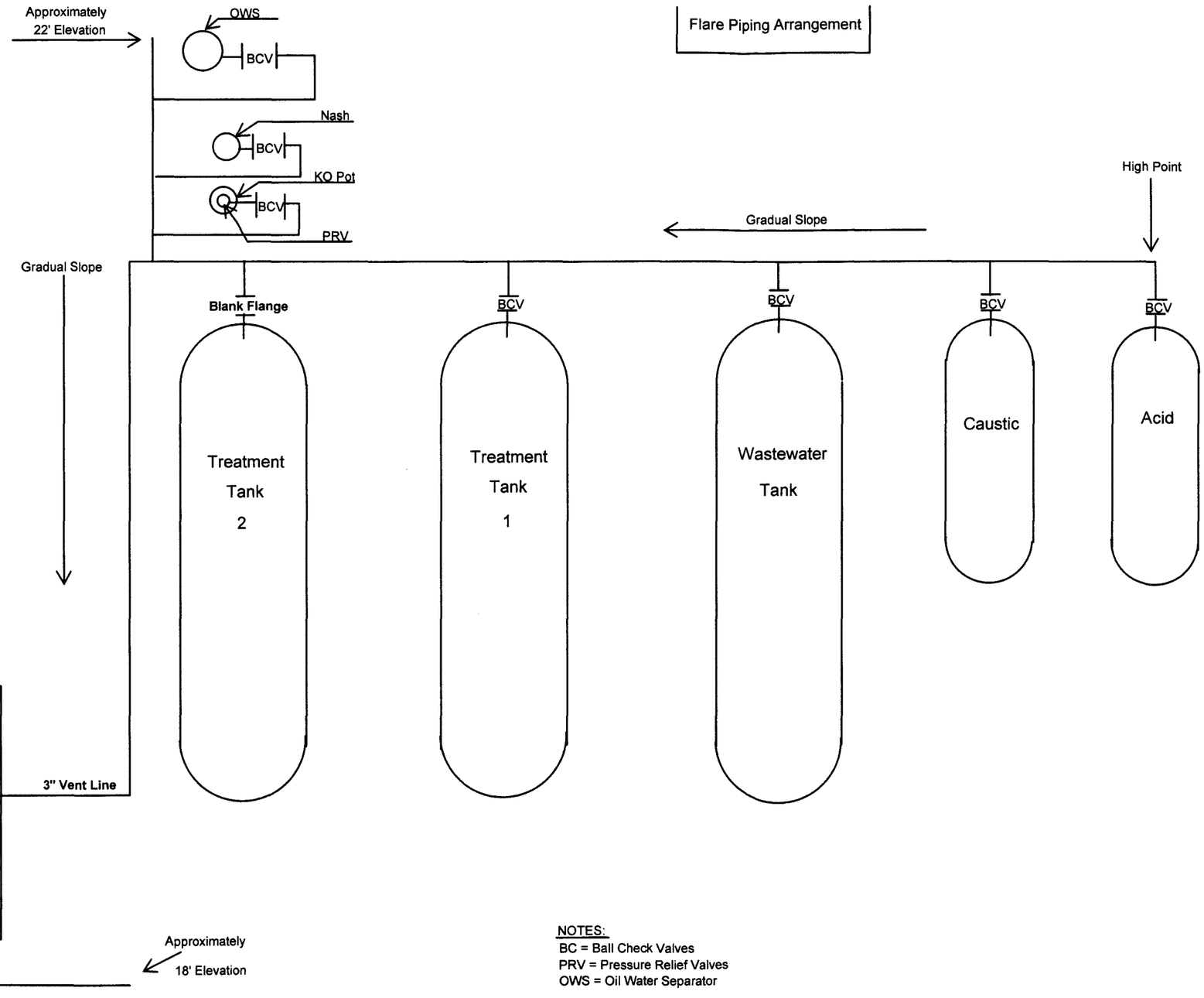
Section

16

P & I D: PA – 114

"Flare Piping Arrangement"

Flare Piping Arrangement



NOTES:
BC = Ball Check Valves
PRV = Pressure Relief Valves
OWS = Oil Water Separator

CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Flare Piping Arrangement"	
Drawn By:	BW/clm
Date:	August 14, 2008
Scale:	Not to Scale
P & I D:	PA - 114

EPAHO089000385

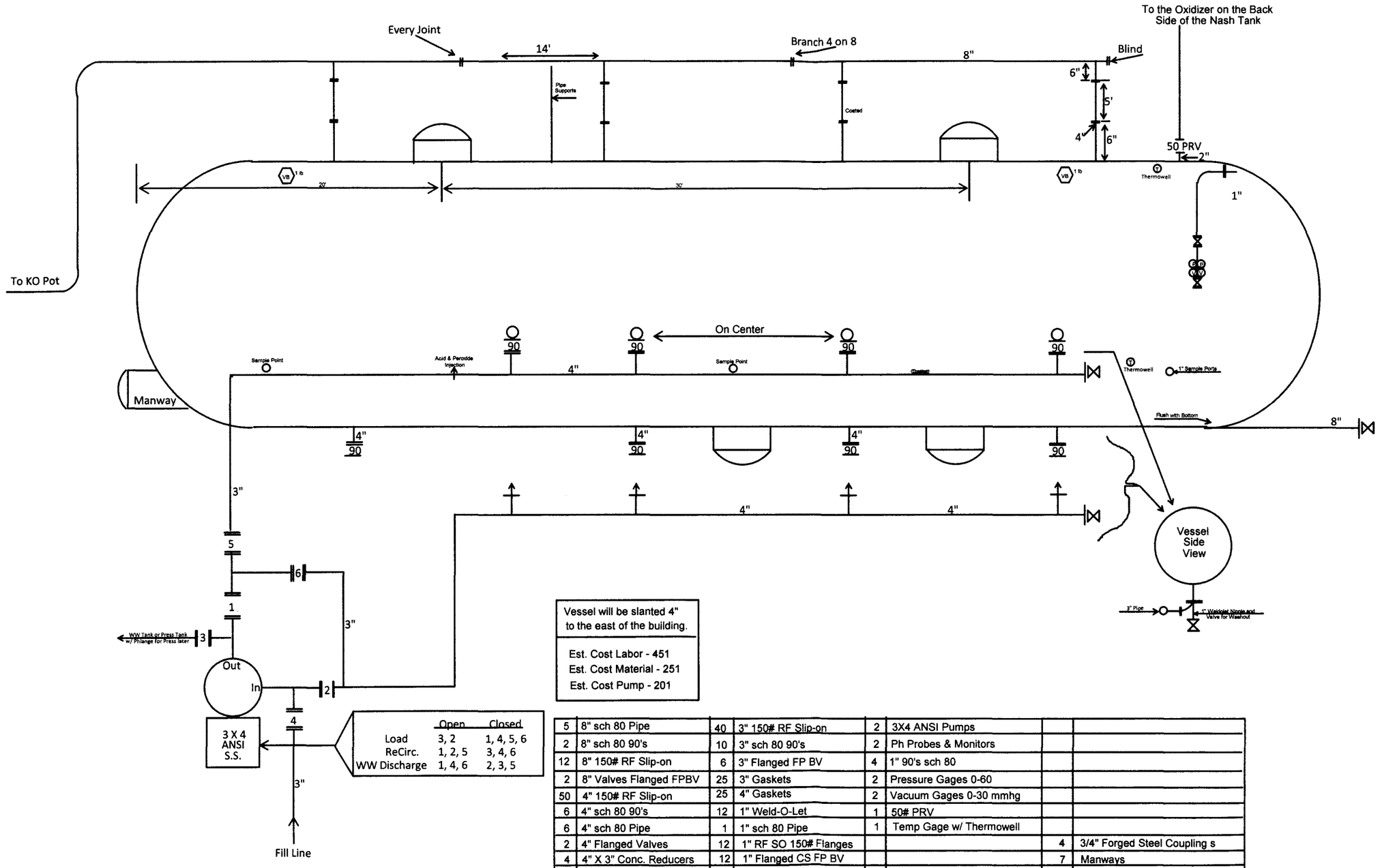
EPAHO089000386

Section

17

P & I D: PA – 115

"SIB Reaction Tank"



	Open	Closed
Load	3, 2	1, 4, 5, 6
ReCirc.	1, 2, 5	3, 4, 6
WW Discharge	1, 4, 6	2, 3, 5

5	8" sch 80 Pipe	40	3" 150# RF Slip-on	2	3X4 ANSI Pumps		
2	8" sch 80 90's	10	3" sch 80 90's	2	Ph Probes & Monitors		
12	8" 150# RF Slip-on	6	3" Flanged FP BV	4	1" 90's sch 80		
2	8" Valves Flanged FPBV	25	3" Gaskets	2	Pressure Gages 0-60		
50	4" 150# RF Slip-on	25	4" Gaskets	2	Vacuum Gages 0-30 mmhg		
6	4" sch 80 90's	12	1" Weld-O-Let	1	50# PRV		
6	4" sch 80 Pipe	1	1" sch 80 Pipe	1	Temp Gage w/ Thermowell		
2	4" Flanged Valves	12	1" RF SO 150# Flanges			4	3/4" Forged Steel Coupling s
4	4" X 3" Conc. Reducers	12	1" Flanged CS FP BV			7	Manways
5	3" sch 80 Pipes	10	Gaskets			250	5/ " X 3.5

CES ENVIRONMENTAL SERVICES, INC.
4904 Griggs Road
Houston, TX 77021
713-676-1460

CES Port Arthur Site
"SIB Reaction Tank"

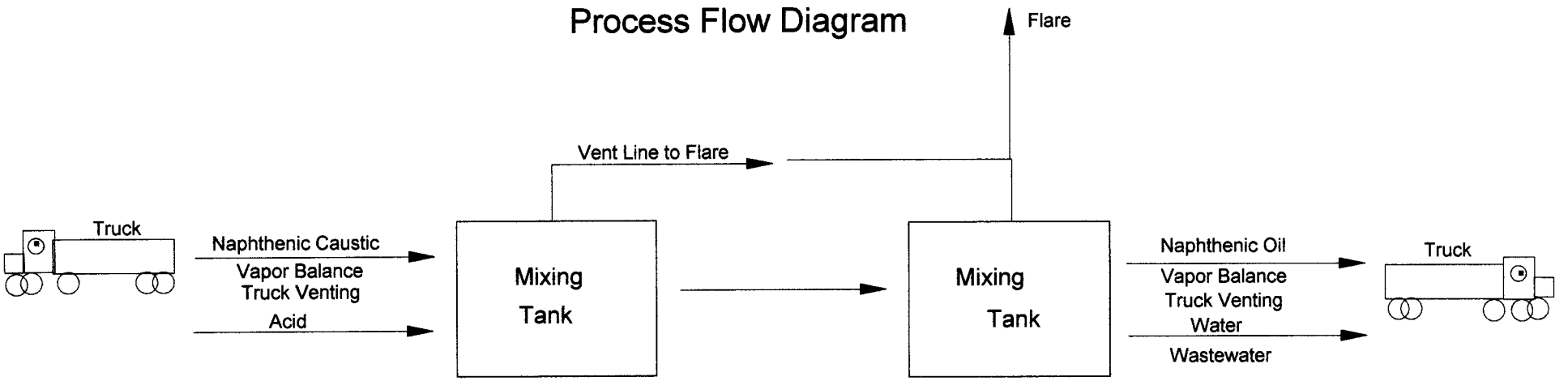
Drawn By:	BW/clm
Date:	June 25, 2008
Scale:	Not to Scale
P & I D:	PA - 115

EPAHO089000388

Port Arthur CES Facility

Naphthenic Caustic - Oil Process

Process Flow Diagram



Port Arthur Chemical & Environmental Services, LLC 2420 South Gulfway Port Arthur, TX 77640 713-676-1460	
"Naphthenic Caustic Oil Process"	
Drawn By:	CGH/cm
Date:	October 31, 2008

EPAHO089000389

EPAHO089000390

Section

18

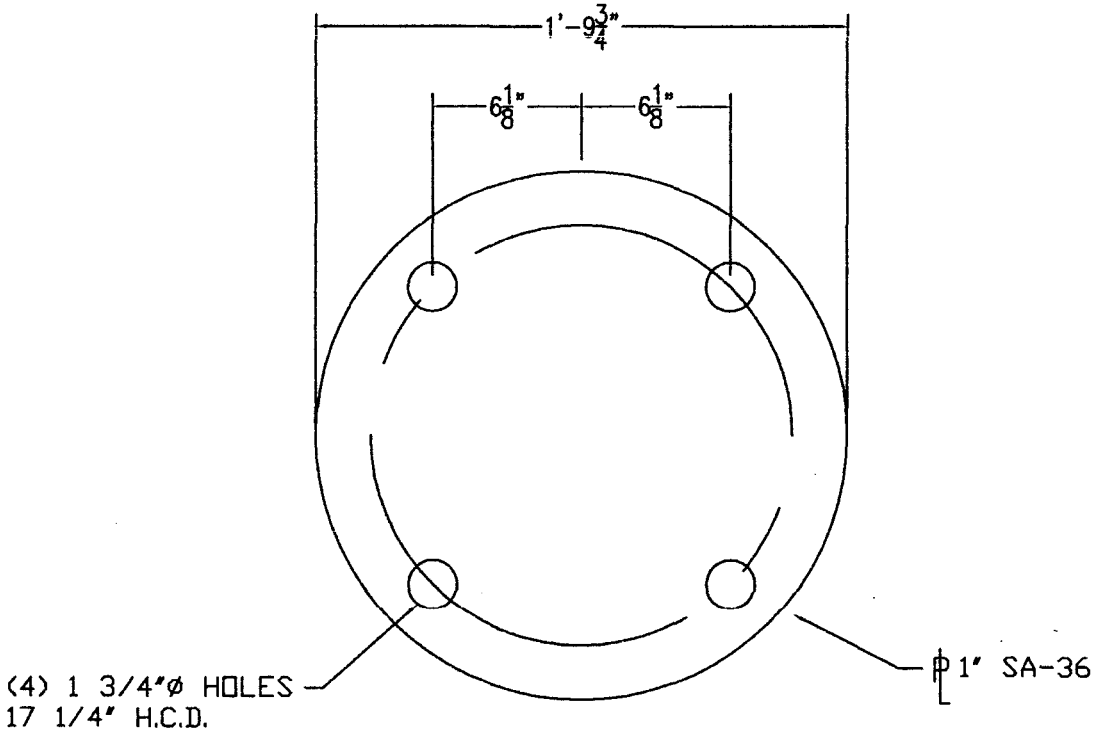
19

Section

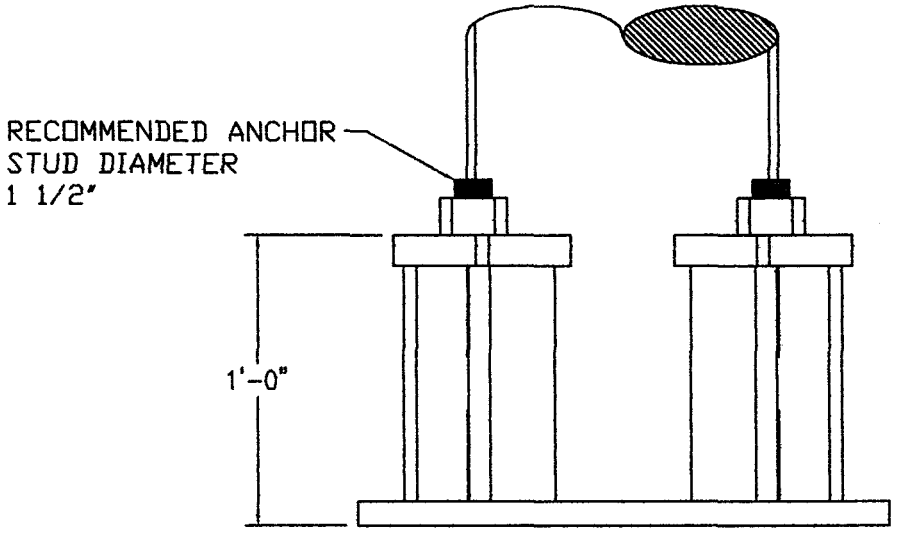
19

"Flare Base Plate Detail"

(Tornado Technologies)



BASE PLATE DETAIL
PLAN VIEW



BASE PLATE DETAIL
ELEVATION VIEW

Tornado Technologies Inc.
Alletyon, Texas 78935
1-888-732-2400

CUSTOMER:
CES ENVIRONMENTAL

3" x 40'-0" TALL
AIR ASSIST FLARE
BASE PLATE DETAIL

P.O. No.	DRAWN:	CHECKED:
375506	GK	
JOBSITE	DATE: 7/30/08	APPROVED:
PORT ARTHUR, TX.	SCALE: 1 1/2"=1'-0"	

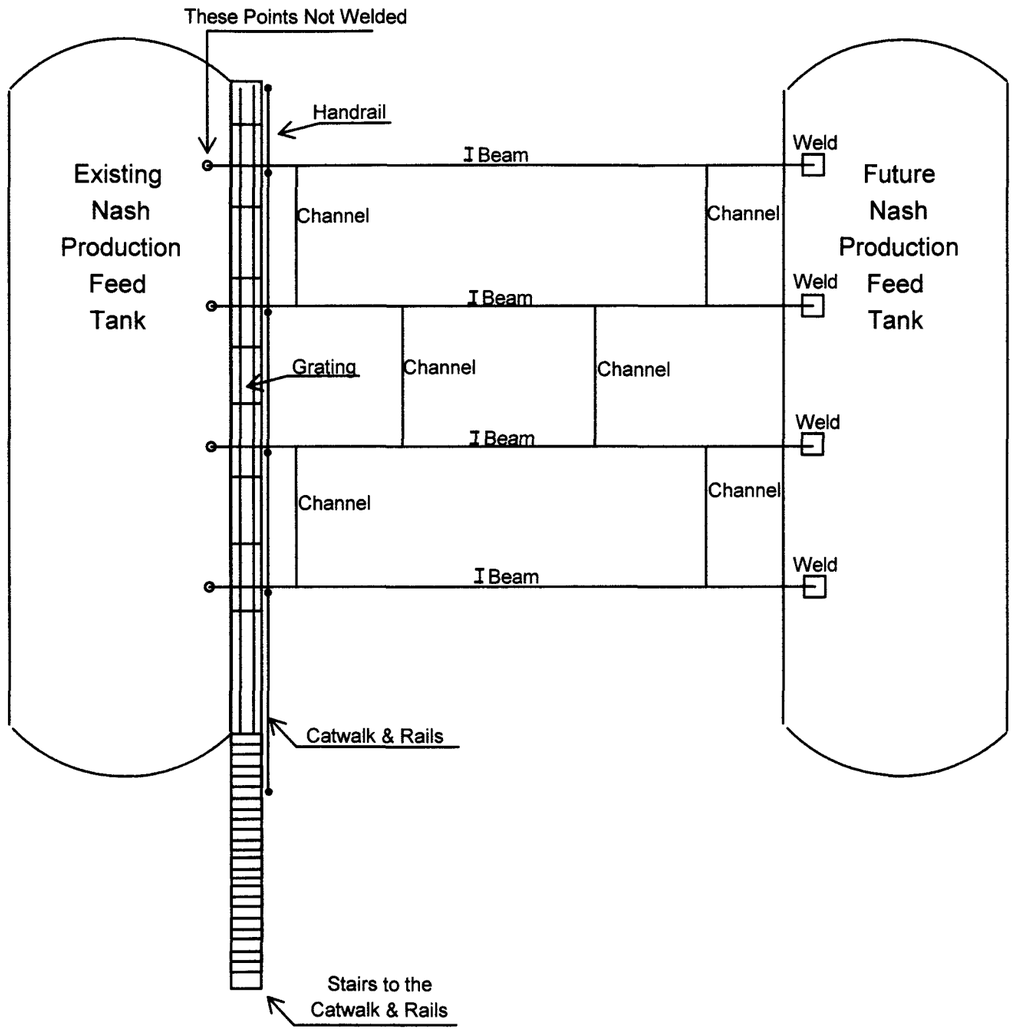
This drawing is the property of and intended only for the private use of TORNADO FLARE SYSTEMS and may not be reproduced or given to third parties without prior written consent.

REVISION No. 0

DRAWING No. 9262-PARTS

Initial Catwalk for Nash Production Feed Tank

(Drawing is Top View)



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Initial Catwalk for Nash Production Feed Tank "	
Drawn By:	MB/clm
Date:	August 22, 2008
Scale:	Not to Scale
EA - Plan View:	PA - 104

EPAHO089000395

Section

20

A. EA Plan View: PA – 100
"CES PA Site Warehouse (Minimum Process)"

B. EA Plan View: PA – 101
"CES PA Site Warehouse (Whole Process)"

C. EA Plan View: PA – 102
"CES PA Site Warehouse (COPA)"

NORTH

Red is a Containment Wall 1 Block High (8")

Platform

Platform
12.4 Tall

H_2
O_2
10' X 15'

Air Cooler

Electrical

Acid 8,000 gal 8' X 36'

Caustic 10,000 gal 8' X 40'

Wastewater 39,000 gal 10' X 70'

Drive Over Curb (6")

10' Dia X 24' H
14,000 gal

Oil Water Separator

Nash

KO

Product Nash Filter Pot

Inorganic Chemical Mixing Vessel 45,000 gal 10.8' X 71'

8"

Containment Wall 1 Block High (8")

25'

12" Galvanized Air Duct

Scrubber

Flare

Propane Tank

First 525' Section Center Line is 30' above Foundation

Lower Roof Support Members 20 feet

162'

40'

First 75' Section Center Line is 37.5' above Foundation
Lower Roof Support Members 28.5 feet

Railroad Tracks

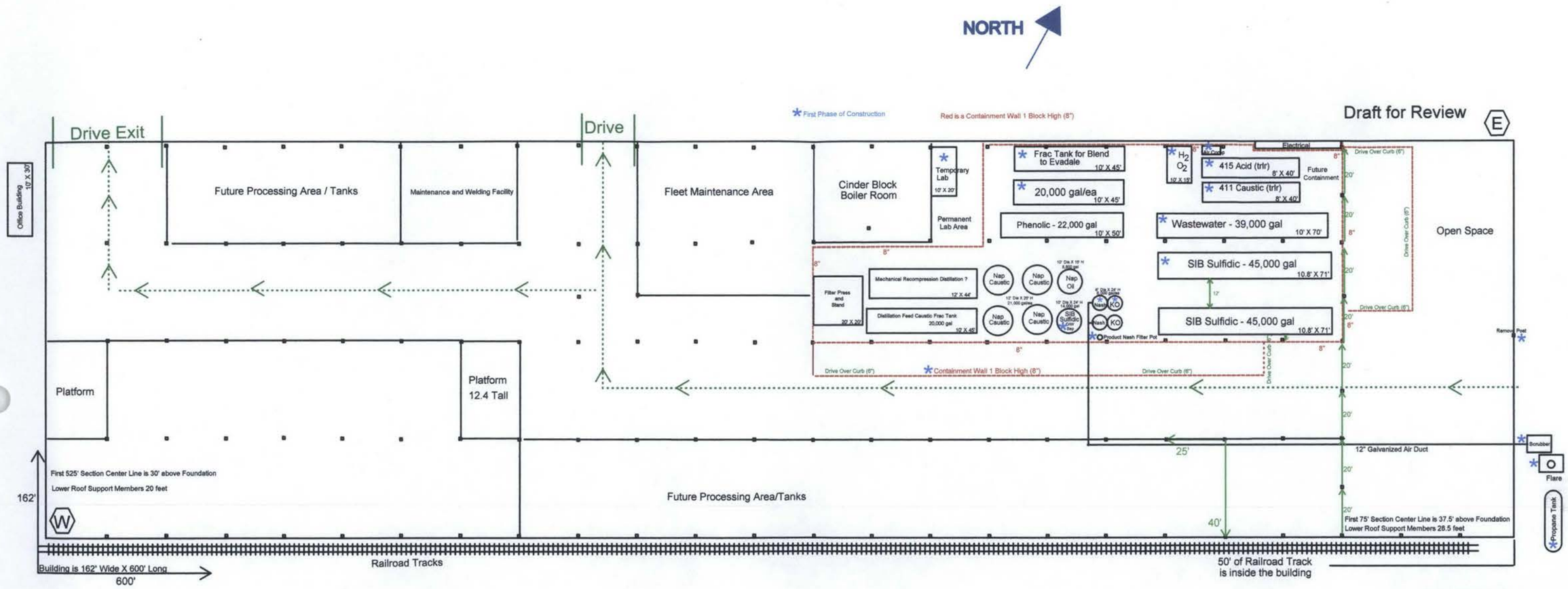
Building is 162' Wide X 600' Long
600'

50' of Railroad Track
is inside the building

KMTEX
Tank Farm

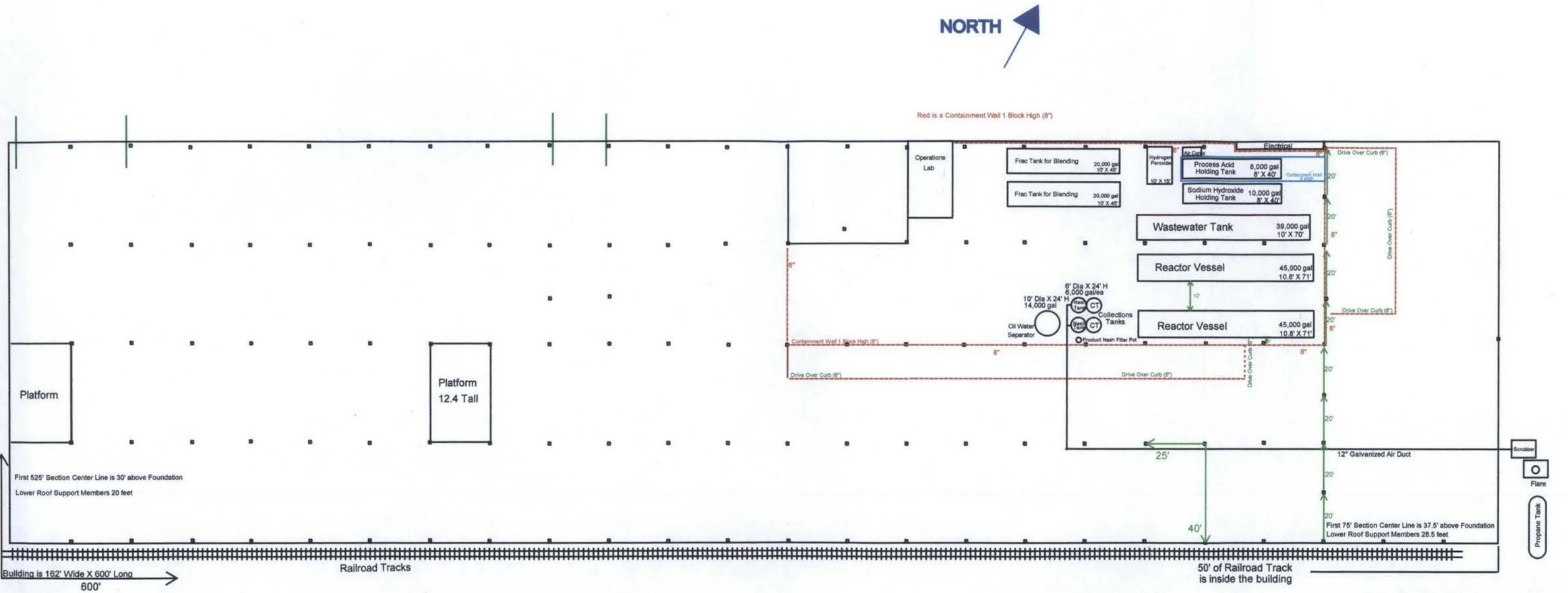
CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Site "Inorganic Chemical Mixing Operation" (Minimum Process)	
Drawn By:	BW/clm
Date:	July 28, 2008
Scale:	1in = 40 ft
Revision No.:	11
EA Plan View:	PA - 100

EPAHO089000398



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Site "Warehouse Plan View" (Whole Process)	
Drawn By:	BW/clm
Date:	August 11, 2008
Revision No.:	11
Scale:	1" = 40'
EA Plan View:	PA - 101

EPAHO089000399

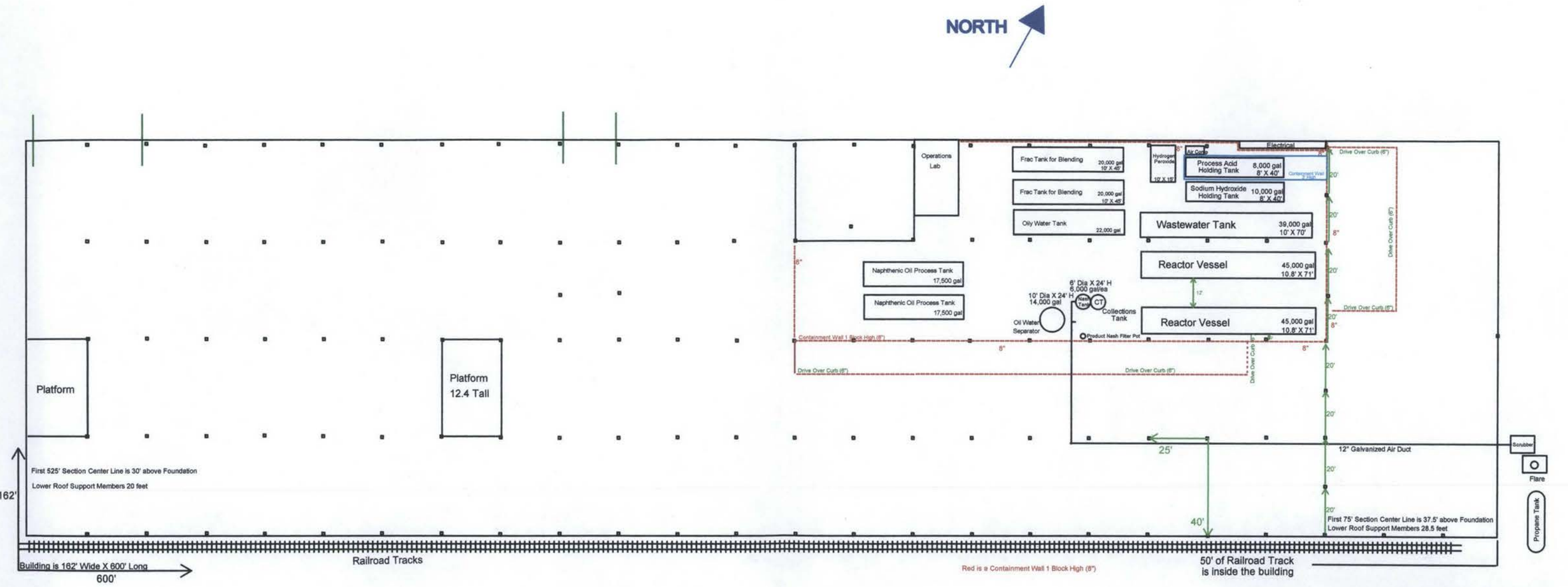


KMTEX

Tank Farm

CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Site "Warehouse Plan View" (COPA)	
Drawn By:	BW/clm
Date:	October 23, 2008
Scale:	1" = 40'
EA Plan View:	PA - 102

EPAHO089000400



KMTEX
Tank Farm

CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Site "Warehouse Plan View" (COPA)	
Drawn By:	BW/clm
Date:	October 30, 2008
Scale:	1" = 40'
EA Plan View:	PA - 102

EPAHO089000401

Section

21

EA Plan View: PA – 103

"CES PA Site Soutex Plan View
Tract I & II Legal Description"

TRACT I
11.110 ACRES OF LAND, OUT OF THE
T.& N.O.R.R. SURVEY, SECTION NO. 122, ABSTRACT NO. 486,
JEFFERSON COUNTY, TEXAS

BEING 11.110 acres of land and water out of and a part of the T.& N.O.R.R. Survey, Section No. 122, Abstract No. 486, Jefferson County, Texas; being part of a (Called 12.811) acre tract of land conveyed to M & M Industrial Services, Inc., recorded in File No. 2000046320, Official Public Records of Real Property, Jefferson County, Texas; said 11.110 acre tract being more fully described by metes and bounds as follows, to wit:

BEGINNING at a 2" steel pipe found for the Northwest corner the (Called 12.811) acre tract; said 2" steel pipe being the Southwest corner of a (Called 4.6) acre tract of land conveyed to TDI Halter, recorded in File No. 9505316, Official Public Records of Real Property, Jefferson County, Texas; being on the Easterly right of way line of a 100' wide Santa Fe Railroad right of way and being the Northwest corner of the herein described tract;

THENCE, Ref. Line = North 68 deg., 45 min., 52 sec., East, on the South line of the (Called 4.6) acre tract, same being the North line of the (Called 12.811) acre tract, a distance of 732.03' to a 2" steel pipe found for the Northwest corner of a tract of land conveyed to BJJ Enterprises, recorded in File No. 2005042372, Official Public Records of Real Property, Jefferson County, Texas; said 2" steel pipe being the most Northerly Northeast corner of the herein described tract;

THENCE, South 21 deg., 18 min., 41 sec., East, on the Westerly line of said BJJ Enterprises tract, a distance of 278.36' to a punch mark found in a fence footing for the Southwest corner of said BJJ Enterprises tract; said punch mark being an interior corner of the herein described tract;

THENCE, North 68 deg., 38 min., 54 sec., East, on the Southerly line of said BJJ Enterprises tract, a distance of 304.65' passing a ½" steel rod found for reference point; continuing for a total distance of 462.40' to a point for corner in the water for the most Easterly Northeast corner of the herein described tract;

THENCE, South 42 deg., 56 min., 25 sec., East, a distance of 300.51' to a point for corner in the water for the Southeast corner of the herein described tract;

THENCE, South 68 deg., 45 min., 58 sec., West, a distance of 237.03' to a ½" steel rod found for reference point being on the North line of a (Called 29.0522) acre tract of land conveyed to KMCO Inc., know as Tract II, recorded in File No. 9519107, Official Public Records of Real Property, Jefferson County, Texas, continuing on the Northerly line of the (Called 29.0522) acre tract, a total distance of 363.03' to a ½" steel rod, capped and marked "SOUTEX", found for the Southeast corner of a (Called 1.708) acre tract of land conveyed to KMCO Port Arthur, Inc., recorded in File No. 2006017962, Official Public Records of Real Property, Jefferson County, Texas;

THENCE, North 21 deg., 18 min., 40 sec., West, on the East line of the (Called 1.708) acre tract, a distance of 46.73' to a ½" steel rod, capped and marked "SOUTEX", found for the Northeast corner of the (Called 1.708) acre tract;

THENCE, South 68 deg., 43 min., 20 sec., West, on the North line of the (Called 1.708) acre tract, a distance of 537.08' to a ½" steel rod, capped and marked "SOUTEX", found for point of curvature;

THENCE, on the arc of a curve to the right having a radius of 500.00', an arc length of 498.24', a chord bearing of North 82 deg., 31 min., 46 sec., West, a chord distance of 478.12' to a ½" steel rod, capped and marked "SOUTEX", found for point of tangency; said ½" steel rod being on the Easterly line of said Santa Fe Railroad 100' wide right of way and being the Southwest corner of the herein described tract;

THENCE, North 18 deg., 49 min., 54 sec., West, on the Easterly line of said Santa Fe Railroad 100' wide right of way, a distance of 281.58' to the POINT OF BEGINNING and containing 11.110 acres of land and water, more or less.

TRACT II
0.9657 ACRE OF LAND, OUT OF THE
T.& N.O.R.R. SURVEY, SECTION NO. 122, ABSTRACT NO. 486,
JEFFERSON COUNTY, TEXAS

BEING 0.9657 acre of land out of and a part of the T.& N.O.R.R. Survey, Section No. 122, Abstract No. 486, Jefferson County, Texas; being the same land conveyed to United State Steel, (Called 0.967) acre tract, recorded in Volume 857, Page 12, Deed Records, Jefferson County, Texas; said 0.9657 acre tract being more fully described by metes and bounds as follows, to wit:

BEGINNING at a 3/8" steel rod found on the Easterly right of way line of a dedicated road named State Highway 87; said 3/8" steel rod being the Southwest corner of a (Called 0.85) acre tract of land conveyed to TDI Halter, recorded in File No. 9505316, Official Public Records of Real Property, Jefferson County, Texas and being the Northwest corner of the herein described tract;

THENCE, North 68 deg., 20 min., 57 sec., East, on the South line of the (Called 0.85) acre tract, a distance of 79.90' to a 5/8" steel rod found for the Southeast corner of the (Called 0.85) acre tract; said 5/8" steel rod being on the Westerly line of a 100' wide Santa Fe Railroad right of way and being the Northeast corner of the herein described tract;

THENCE, South 18 deg., 49 min., 54 sec., East, on the Westerly line of said Santa Fe Railroad right of way, a distance of 557.89' to a point for corner being the Northeast corner of a (Called 2.4652) acre tract of land conveyed to KMCO, Inc., known as Tract 2 A, recorded in File No. 9519107, Official Public Records of Real Property, Jefferson County, Texas; said point for corner being the Southeast corner of the herein described tract;

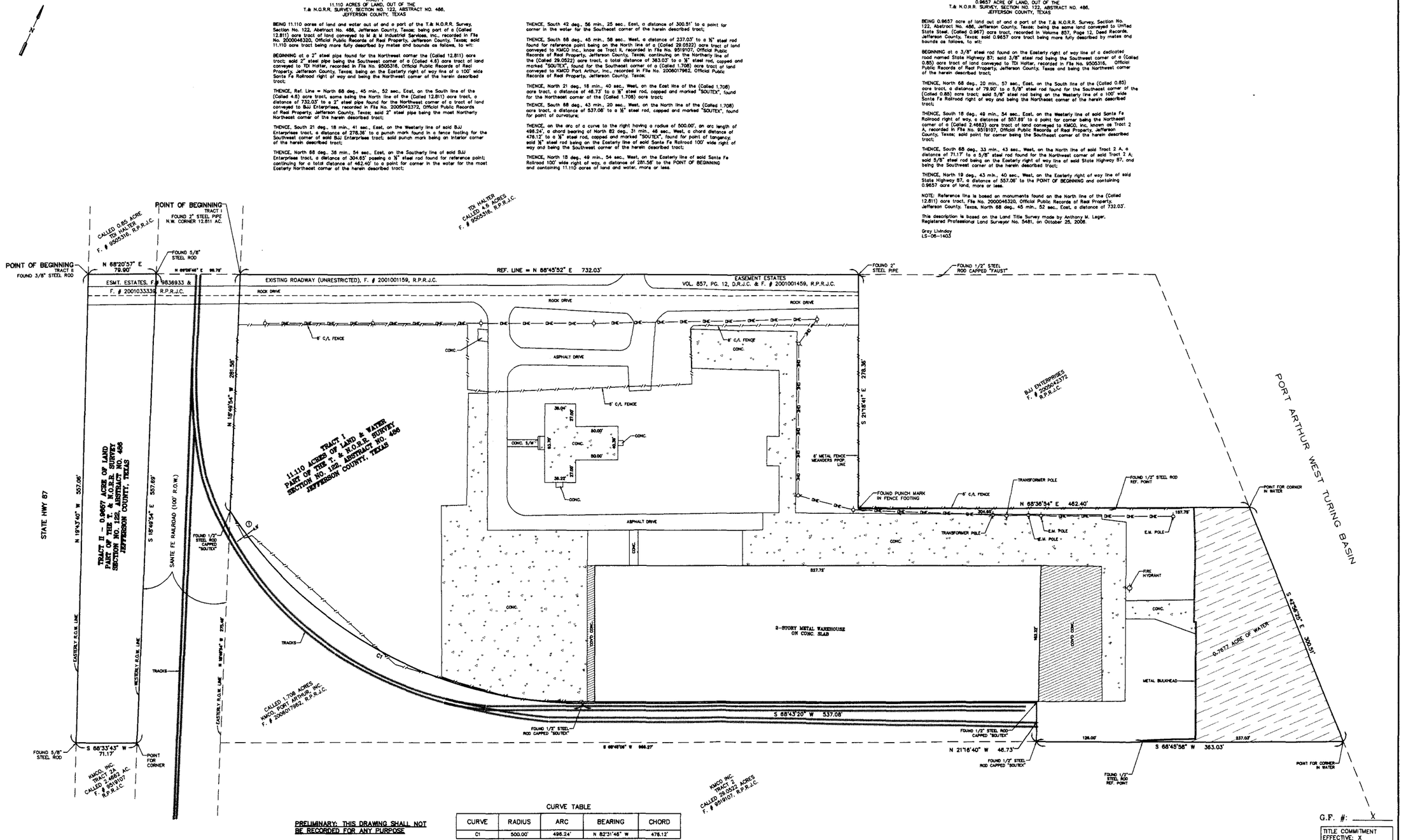
THENCE, South 68 deg., 33 min., 43 sec., West, on the North line of said Tract 2 A, a distance of 71.17' to a 5/8" steel rod found for the Northwest corner of said Tract 2 A; said 5/8" steel rod being on the Easterly right of way line of said State Highway 87, and being the Southwest corner of the herein described tract;

THENCE, North 19 deg., 43 min., 40 sec., West, on the Easterly right of way line of said State Highway 87, a distance of 557.06' to the POINT OF BEGINNING and containing 0.9657 acre of land, more or less.

NOTE: Reference line is based on monuments found on the North line of the (Called 12.811) acre tract, File No. 2000046320, Official Public Records of Real Property, Jefferson County, Texas, North 68 deg., 45 min., 52 sec., East, a distance of 732.03'.

This description is based on the Land Title Survey made by Anthony M. Leger, Registered Professional Land Surveyor No. 5481, on October 25, 2006.

Gray Livinday
LS-06-1403



CURVE TABLE

CURVE	RADIUS	ARC	BEARING	CHORD
C1	500.00'	498.24'	N 82°31'46" W	478.12'

PRELIMINARY: THIS DRAWING SHALL NOT BE RECORDED FOR ANY PURPOSE

G.F. #: X

TITLE COMMITMENT EFFECTIVE: X

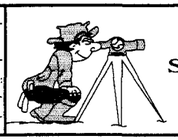
DESCRIPTION OF SERVICE: LOCATE CORNERS AND SHOW IMPROVEMENTS

SURVEYOR'S CERTIFICATION:
TO THE LESS INSAME AND/OR THE OWNERS OF THE PREMISES SURVEYED AND TO THE LAYTENS TITLE INSURANCE CORPORATION

The undersigned does hereby certify that this survey was this day 10/25/06 made on the ground of the property legally described hereon and is correct, and that there are no discrepancies, conflicts, shortages of area, boundary line conflicts, encroachments, overlapping of improvements, easements or right of way, except as shown hereon, and that said property has access to and from a dedicated roadway. This survey is certified for this transaction only; it is not transferable to additional institutions or subsequent owners.

ANTHONY M. LEGER
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5481

Census Tract: 116
FEMA Flood Zone: B & A11
Community Panel NO.: 485489-0045-E
Panel Date: 4/17/84



SOUTEX
SURVEYORS INC.
3737 DOCTORS DRIVE
PORT ARTHUR, TEXAS 77642
(409) 983-2004 (409) 983-2005

ENCROACHMENT NOTES
1. FENCE IS OVER P.L. 4.9'

SHEET TITLE
TRACT I - 11.110 ACRES OF LAND & WATER
TRACT II - 0.9657 ACRE OF LAND, PART OF THE T. & N.O.R.R SURVEY, SECTION NO. 122, ABSTRACT NO. 486
JEFFERSON COUNTY, TEXAS

PROJECT
GARY LIVINDAY
SOUTH GULFWAY DRIVE
PORT ARTHUR, TEXAS 77640

PROJECT NO: 06-1403
SCALE: 1" = 50'
PRINT DATE: 12/4/06
DRAWN BY: T. CHASE
CHECKED BY: BL
APPROVED BY: AML
SHEET 1 OF 1

EPAHO08900404

EPAHO089000405

Section

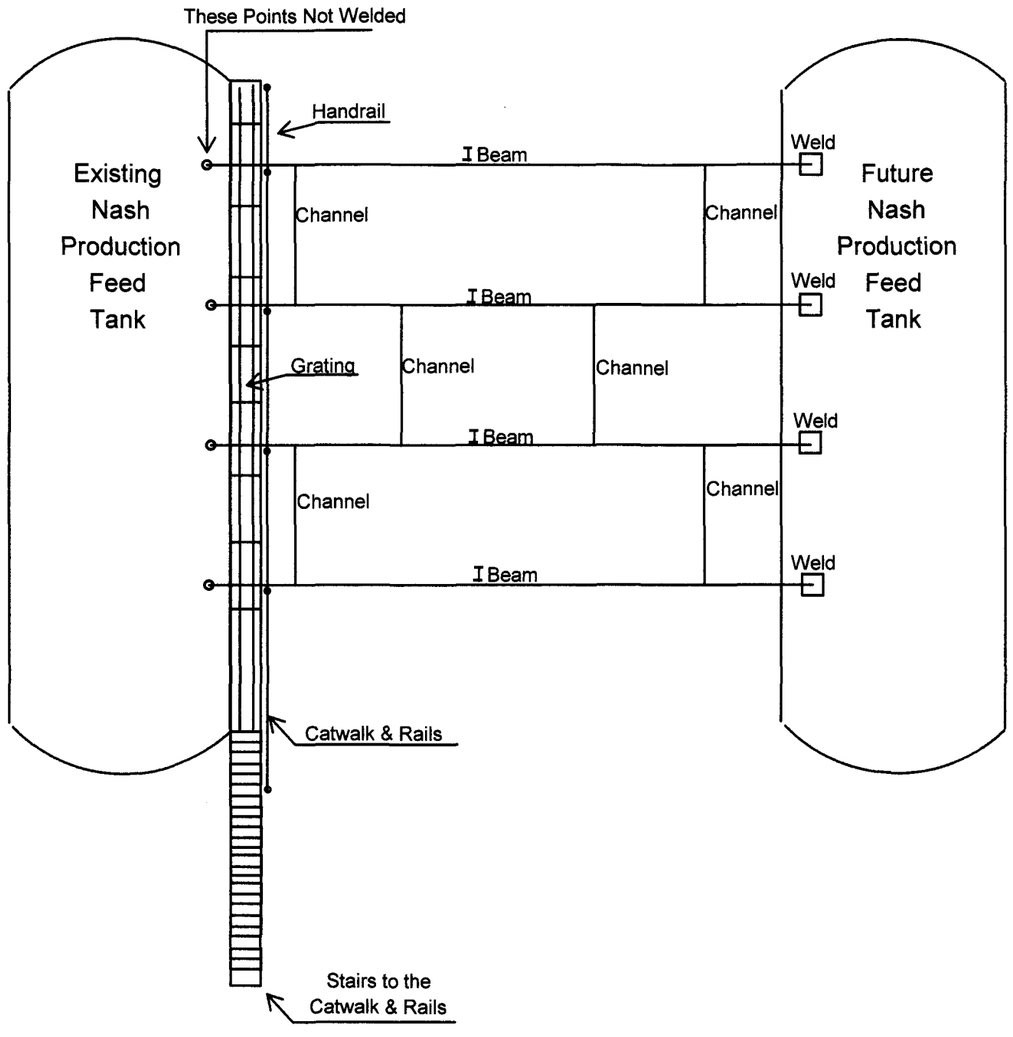
22

EA Plan View: PA – 104

"Initial Catwalk for Nash Production Tank"

Initial Catwalk for Nash Production Feed Tank

(Drawing is Top View)



CES ENVIRONMENTAL SERVICES, INC. 4904 Griggs Road Houston, TX 77021 713-676-1460	
CES Port Arthur Facility "Initial Catwalk for Nash Production Feed Tank "	
Drawn By:	MB/clm
Date:	August 22, 2008
Scale:	Not to Scale
EA - Plan View:	PA - 104

EPAHO089000407

EPAHO089000408

EPAHO089000410

EK
8-5-09
N-1

PACES

Two Incident Reports

By: CGH

May 12, 2009
(281-488-0848)

PACES

Two

Incident

Reports

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2	Summary of Findings, Issues, Inaccuracies on Autopsy Reports
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5	Autopsy Report No. 3
6	Autopsy Report No. 4
7	Autopsy Report No. 5
8	Autopsy Report No. 6
9	Joey Sutter BMI Calculation
10	CES Incident Report December 18, 2008of Joey Sutter
11	Legal Medicine Case Report Stating Toxicological Findings of H_2S Poisoning Vary from Case to Case
12	American Journal of Industrial Medicine States that a List of Sample Problems in H_2S Poisoning
13	NMS Labs Thiosulfate Test in Blood Stability Information for Samples
14	General H2S Information
15	H2S at Low Levels in Air No Risk
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Joey Sutter

Case

Summary

of

Findings,

Issues, Inaccuracies

on

Autopsy Reports

Autopsy Report of Joey Sutter

Autopsy Report Document No. 1:

Autopsy Report
Case No. 08-1253
Date of Death: December 18, 2008
Date of Report: December 19, 2008
On the body of Joey Sutter
By: Dr. Tommy J. Brown
Final Date: April 17, 2009

Issues, Inaccuracies and Items of Note:

1. **Joey Sutter (weight: 255 lbs; height measured: 6 ft 2 in) had a Body Mass Index (BMI) of: 32.8 kg/m^2 which generally indicates obesity. A BMI of 27.8 for men is used for the cut-off point for obesity in the National Health and Nutrition Examination Survey (Nhanes II).**

   A BMI of 30 through 40; truly overweight, the risk of developing Heart Disease and other weight related conditions rise sharply.

   Hamilton and Whitney's Nutrition Concepts and Controversies states that a BMI of 31.1 to 45.4 (men) is severe overweight and high risk.

   National Institute of Heart provides the following:

   Men: Obesity begins at 28.5 and
   Serious Obesity begins at 33

2. **The heart weight of 470 grams is above the normal range of up to 350 grams.**

3. **Laboratory Results:**

   A. **Thiosulfate in urine creatinine corrected normal value up to 8 mcg/g according to NMS. – NMS Lab Result: 1.7 mcg/g measured in urine of Sutter. (From Autopsy Report No. 6, NMS Labs, dated: January 20, 2009.**

   B. **Creatinine in urine is normally 300 to 3,400 mg/l – NMS Labs – NMS Lab Result: 1959 mg/l measured in urine of Sutter. (Report No. 6, NMS Labs dated: January 20, 2009.**

   C. **Dr. T.J. Brown said nothing about normal result of thiosulfate in urine in his report.**

D. Dr. T.J. Brown based H2S poisoning on Laura Labay's Report which is based on thiosulfate in blood at a measured level of 11 mcg/l which was stated that to be consistent with other reported cases of H2S poisoning.

E. Results of testing on clothing from decedent (Joey Sutter) revealed H2S according to the report statements by Dr. T.J. Brown.

But Autopsy Report No. 2 contained lab results from OSHA testing of clothes for H2S with no evidence of H2S.

4. Dr. T.J. Brown states in his report on page 8, information from a third party without names or statements in writing that the decedent opened a dome lid and immediately collapsed with the dome lid open 15 minutes and other workers closed the lid.

Dr. T.J. Brown also stated in his report that the tank had contained high levels of H2S and was filled with wastewater and brought to a boil using steam and that the dome lid was then opened. Then H2S struck the decedent face, where he inhaled H2S and it was then vented into the atmosphere. This information was not observed by the doctor on a first hand or eye witness basis. However, the doctor based his theory of knockdown on this information, where he states that H2S can produce this knockdown which leads to hemorrhage pulmonary edema, or a finding of the autopsy, which is based on hearsay.

This information used for his findings is incorrect. There was another person on top of the trailer with the decedent during the time of the collapse and within a few feed wearing an H2S monitor. The second person's monitor alarm point was set at 10 ppm level of H2S. If vapor in the rage of 700 to 1,000 ppm H2S had been released for up to 15 minutes which is the range required to knockdown a person, the second person's alarm would have sounded since its alarm level was 10 ppm, and the second person was within a few feet. She did not have any H2S symptoms or personnel alarm activation. In addition an exposure of only 15 minutes of a knockdown value of 700 may not result in death.

Other issues about the report of Dr. T.J. Brown is the lack of correctness of his third party hearsay, since the trailer of material was not wastewater, was not being heated (e.g. no steam heat source was in the area), and the dome lid was not open, since the decedent fell on the dome lid and not into the trailer. Also, the removal of one wing-nut would not open or vent the trailer since six wing-nuts hold the dome lid on the trailer.

In addition, the trailer was opened and sampled the day before without incident according to an affidavit of Brian Weather. The trailer was not heated or modified over the 24 hours between the two events.

Autopsy Report No. 2, Page 4, is an OSHA lab test results which state that no H2S was measured over the head space of an oil sample (which is not wastewater) from the trailer.

Autopsy Report Document No. 3:

NMS Letter
From: Laura M. Labay
Dated: March 25, 2009

1. **The letter from NMS Labs (Laura M. Labay) states, per her understanding that wastewater storing H2S was being boiled-off and a decision was made to open the dome lid. This misinformation became part of her decision process which directed to her final conclusion.**

   Again, it was not wastewater, it was not being boiled, Mr. Sutter did not open the dome lid, and you cannot boil a sealed trailer without a major rupture event. This is not a normal practice or a CES method of operation.

   Laura Labay stated that thiosolfate was found in the cardiac blood at 11 mcg/ml. She made no comment on the normal value of thosulfate found in the urine.

   Based on the thiosulfate result in the blood a review of other case histories, Ms. Labay stated that the value 11 mcg/ml is consistent with reported post mortem thiosulfate concentrations where the cause of death was attributed to hydrogen sulfide. She did not say that Joey Sutter died of H2S poisoning.

2. **The case history data was based on 7 deaths. Three of the deaths had thiosulfate values above 11 mcg/lg. One was at 10.5 mcg/lg and 3 below 11 mcg/lg. Ms. Labay's Reference No. 3, which she used for her conclusion, states that pathological and toxicological findings of H2S poisoning vary from case to case which means that this method of analysis is very weak. (See Attachment)**

3. **Another article from American Journal of Industrial Medicine (35: 192-195 / 1999) about H2S poisoning states that there are many pitfalls in collecting, storing, and analyzing tissue and fluid samples. (See Attachment)**

4. **Ms. Labay based her findings on four cases which had results (autopsies) performed quickly within 24 hours.**

   In the Joey Sutter case (deceased 12/18/08) the autopsy was started at 6:45 a.m. on 12/19/08, the second blood sample (which no thiosulfate result was

reported) and the urine sample with normal thosulfate results was received by NMS Labs on January 15, 2009. The first blood sample was collected on December 19, 2008, and sent to NMS Labs on December 30, 2008 with no thiosulfate test run. The third blood sample was received by NMS Labs on March 5, 2009, which resulted in a thiosulfate number of 11 mcg/ml. In the test results of the third sample of blood showing 11 mcg/l a reference by NMS Labs stated that certain environmental exposure, dietary conditions, and pathological state can give rise to increased urinary levels of thiosulfate, as well as a significant concentrations in blood.

5. NMS Lab procedures states that blood used for thiosulfate testing will only only be stable for one month frozen. The March 5, 2009, key result of 11 mcg/ml was over 2.5 months old at the time of analysis which makes it unreliable. NMS Lab Report dated March 16, 2009 (Report No. 4) stated that the cardiac blood sample was received on March 5, 2009.

6. An article about H2S poisoning published in 1999, in the Journal of Industrial Medicine states that sulfide levels in biological specimens can either increase or decrease during storage depending on temperature and other items. Sulfide concentrations in blood may increase dramatically due to biodegradation during room-temperature, or refrigerated storage. (See Attachment)

CES Information

1. The other person beside J. Sutter stated her alarm did not activate and that the dome lid was not open (See Attached Information).

2. A CES employee sampled the trailer the day before with injury or any problem. (See Attached Document).

3. NMS Lab procedures stated that thiosulfate tests on blood can only run on blood up to a month from collection date only if it is frozen.

4. Autopsy Report No. 2, Page 4, OSHA Lab Report states that no H2S was measured in the vapor space (head space) above an oil sample from the trailer that was being sampled.

5. A review of documentation for IDLH (NIOSH) shows that data from others (Patty (1963)) that 170 t0 300 ppm is the maximum concentration that can endure for one hour without serious consequences, 400 to 700 ppm is dangerous after exposure for 30 minutes to one hour (Henderson and Haggard 1943) and AIHA (1963) reported 500 to 700 causes loss of consciousness and possible death in 30 minutes to one hour [MCA 1950]. Also, 700 to 1000 ppm results in rapid unconsciousness (See Attached).

At the levels required to knockdown J. Sutter, 700 to 1000 ppm would have resulted in odors covering a wide area since H2S recognition threshold is at 0.0047 ppm. In addition the other CES employees monitors were set at 10 ppm alarm level. During this time J. Sutter was on or near the trailer. Suzi Mock was near by or on the trailer. Suzi held on to J. Sutter as he passed out to keep him from falling. Suzi did not have any effects from H2S nor her monitor did not alarm which was set at 10 ppm. Thus, J. Sutter was never alone. For H2S levels of 700 ppm or greater required for knockdown and death to be that selective to only hurt one of two people is beyond reason.

General Affidavit

STATE OF TEXAS

COUNTY OF Jefferson

BEFORE ME, the undersigned Notary, Patricia Grace Krueger, on this 3 day of March, 2009, personally appeared Suzie Mock known to me to be a credible person and of lawful age, who being by me duly sworn, on her oath, deposes and says:

My name is Suzie Mock. I am over 21 years of age. I was an employee on December 18, 2008 at the Port Arthur Chemical and Environmental Services, LLC ("PACES") plant site at the time Joey Sutter passed away. I have personal knowledge and experience with the situation during the incident involving Joey Sutter. During the morning and afternoon of December 18, 2008 my personal monitor for the H_2S did not sound an alarm warning. My personal H_2S Monitor Alarm was set at 10 ppm for H_2S on December 18, 2008.

Suzie Mock
(Signature of Affiant)

Suzie Mock
(Printed Name of Affiant)

2121 Norma St Port Arthur, TX, 77640
(Address of Affiant, Line 1)

(Address of Affiant, Line 2)

STATE OF TEXAS

COUNTY OF Jefferson

Sworn to and subscribed before me on this 31st day of March, 2009, by _____.

SEAL

Patricia Grace Krueger
Notary Public
State of Texas
My Commission Expires
May 29, 2010

Patricia Grace Krueger
(Notary Public Signature)

General Affidavit

STATE OF TEXAS

COUNTY OF Jefferson

BEFORE ME, the undersigned Notary, Patricia Grace Kruger, **on this** 3 **day of** March, **2009, personally appeared** Brian Weathers **known to me to be a credible person and of lawful age, who being by me duly sworn, on his oath, deposes and says:**

My name is Brian Weathers. I am over 21 years of age. I was the Supervisor on December 17, 2008 and on December 18, 2008 at the Port Arthur Chemical and Environmental Services, LLC ("PACES") plant site at the time Joey Sutter passed away. I have personal knowledge and experience with the PACES' personal H_2S Monitoring Equipment and Sampling of Trailers. During of December 17, 2008 my H_2S alarm at PACES did not sound an alarm warning when I obtained a sample from Trailer 267. H_2S Monitor was set at 10 ppm H_2S to alarm on December 17, 2008 when I sampled the Trailer 267.

Brian Weathers
(Signature of Affiant)

Brian Weathers
(Printed Name of Affiant)

7803 Twelfth Fairway Humble TX 77346
(Address of Affiant, Line 1)

(Address of Affiant, Line 2)

STATE OF TEXAS

COUNTY OF Jefferson

Sworn to and subscribed before me on this 3 **day of** March, 2009,

by _____.

SEAL
Patricia Grace Kruger
Notary Public
State of Texas
My Commission Expires
May 29, 2010

Patricia Grace Kruger
(Notary Public Signature)

General Affidavit

STATE OF TEXAS

COUNTY OF Jefferson

BEFORE ME, the undersigned Notary, Patricia Grace Kruger **on this** 3 **day of** March, **2009, personally appeared** Brian Weathers **known to me to be a credible person and of lawful age, who being by me duly sworn, on his oath, deposes and says:**

My name is Brian Weathers. I am over 21 years of age. I was the Supervisor on December 18, 2008 at the Port Arthur Chemical and Environmental Services, LLC ("PACES") plant site at the time Joey Sutter passed away. I have personal knowledge and experience with the PACES' H_2S Monitoring System. During the morning and afternoon of December 18, 2008 the Process Area alarm of he H_2S Monitoring System, at PACES, did not sound an alarm warning. The Process Area alarm system at PACES was set at 10 ppm H_2S to alarm on December 18, 2008.

Brian Weathers
(Signature of Affiant)

Brian Weathers
(Printed Name of Affiant)

7803 Twelfth Fairway Humble TX 77346
(Address of Affiant, Line 1)

(Address of Affiant, Line 2)

STATE OF TEXAS

COUNTY OF Jefferson

Sworn to and subscribed before me on this 3 **day of** March, **2009,**

by _____.

SEAL

Patricia Grace Kruger
Notary Public
State of Texas
My Commission Expires
May 29, 2010

Patricia Grace Kruger
(Notary Public Signature)

Clark Hickman

From: Matt Bowman
ent: Wednesday, April 22, 2009 6:28 PM
To: Clark Hickman
Subject: FW: Autopsy Report - Joey Sutter
Attachments: Autopsy 1.pdf; Autopsy 2.pdf; Autopsy 3.pdf; Autopsy 4.pdf; Autopsy 5.pdf; Autopsy 6.pdf

From: Aaron Rubin [mailto:arubin@germer.com]
Sent: Wednesday, April 22, 2009 5:24 PM
To: Matt Bowman; Greg Bowman
Cc: Charles Goehringer; John Surma
Subject: Autopsy Report - Joey Sutter

Please see the attached documents constituting the autopsy report of Joey Sutter. I have not yet reviewed the document myself, though I obviously noticed that H2S was determined to be the cause of death.

Regards,
Aaron

Aaron M. Rubin
GERMER GERTZ, L.L.P.
P. O. Box 4915
Beaumont, Texas 77704
Direct Telephone: (409) 654-6761
Facsimile: (409) 835-2115

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Autopsy Report No. 1

AUTOPSY REPORT

Case 08-1253

December 19, 2008

FILED
APR 22 2009
Justice Court, Pct. 8

ON THE BODY OF

Joey Sutter
6259 Gulfway Drive
Groves, Texas

CAUSE OF DEATH: Asphyxia and poisoning due to hydrogen sulfide (H_2S) inhalation.

MANNER OF DEATH: Accident, while at work.

Dr. Tommy J. Brown — **Date** 4/17/2009
Forensic Pathologist

POSTMORTEM EXAMINATION ON THE BODY OF

Joey Sutter
6259 Gulfway Drive
Groves, Texas

HISTORY: This 36 year old Caucasian male was found dead at 3:00 p. m. on December 18, 2008, at Christus Hospital - St. Mary in Port Arthur, Texas.

AUTOPSY: The autopsy was performed by Dr. Tommy J. Brown at the request and upon the written authorization of The Honorable Tom Gillam, III, Justice of the Peace, Precinct 8, Jefferson County, Texas, beginning at 6:45 a.m. on December 19, 2008, in the Southeast Texas Forensic Center, Inc., DBA: Jefferson County Morgue.

CLOTHING: The decedent was nude. The body was enclosed within two body bags. A strong chemical odor exuded from the body through both sealed body bags. A third body bag accompanied the body and held two plastic bags that contained clothing that had been cut away from the decedent's body. It also had a strong chemical odor. One of the plastic bags contained a pair of blue undershorts, a pair of blue gym shorts, a green shirt with "CES Environmental Services" written on the left upper chest, a pair of blue denim trousers, a black weave belt and a pair of white socks. In the other red plastic bag was a red medical blanket. All the clothing had a strong chemical odor. All were placed in a biohazard bag and submitted to OSHA at their request for testing.

PERSONAL PROPERTY: Within the right front trousers pocket was a blue and silver colored pocket knife. Accompanying the body was a Samsung cell phone. There was no other personal property on or accompanying the body.

EVIDENCE OF MEDICAL INTERVENTION: An oral airway was present within the mouth. Adhesive defibrillator/ ECG/ pacing electrodes were present over the right upper and left lower lateral chest. ECG electrode discs were present on the lateral right and left shoulders.

EPAHO089000431

EXTERNAL APPEARANCE: The body was that of a white male that measured 74 inches in length, weighed 255 pounds and appeared the stated age of 36 years. There was full rigor mortis. The hair was brown mixed with some blonde streaks and measured $1^{5}/_{8}$ inches in length. There was congestion of the head and neck with distention of the neck veins. There was a purple coloration that extended from the top of the head to the nipple line across the chest. The eyes were closed; the conjunctivae were mildly congested; the corneae were clear; the irides were hazel to green. There were small areas of coalescent hemorrhage of the conjunctivae of the eyes. Several small petechiae were present over the forehead and upper face. There was a small amount of bloody like fluid that exuded from the nostrils along with foamy fluid. The nose and ears were otherwise unremarkable. Vomitus was present along the lower left side of the mouth and the lower left jaw area. The teeth were natural. There were no abrasions, contusions or lacerations of the inner mucosa of the lips. The neck was symmetrical and without scars or evidence of trauma. The chest was symmetrical and without scars or evidence of trauma. The abdomen was mildly protuberant and without palpable masses. There was a 1¼ inch abrasion to the left of the umbilicus. There were no identifiable scars of the abdomen. The pubic hair was small in quantity. The penis appeared circumcised. Both testicles were palpable within the scrotal sac. There were small scars of the knees and anterior lower legs. There was a tattoo of the name "Amber" and what looked like "Sam" on the proximal left lower leg. Other tattoos were present on the back of the left lower leg. There was a scabbed abrasion that measured $^{5}/_{8}$ of an inch on the proximal medial left lower leg. There was a tattoo of a head of a large cat on the lateral left upper arm and a tattoo that appeared to be a dragon. There was a tattoo of dice on the back of the left hand. Several transverse scars were present on the mid left forearm that extended down to on top of the lateral left wrist area. There were transverse scars on the anterior left wrist that appeared to be three in number. The lateral right shoulder had tattooed initials that were indiscernible. On the back of the right wrist was a tattoo of the name "Ashley". There was an orange-like coloration of the right hand. There was a tattoo of an indiscernible word in the web space of the right hand. The back had dependent posterior fixed lividity with blanching over the pressure areas. The back had a large tattoo on the left upper and mid back of various figures. There was a 2¾ by 1¼ inch scabbed abrasion on the back of the right forearm. The body had a strong chemical odor.

EPAHO089000432

INTERNAL EXAMINATION: The body was opened with a Y-shaped thoracoabdominal incision to reveal fat and red-brown muscles of the upper anterior thorax. The abdominal panniculus at the level of the umbilicus measured 2 inches. The organs were in their usual locations and had normal anatomic relationships to one another. There was no fluid within the peritoneal or the pleural cavities. A small amount of serous fluid was present in the pericardial sac. Mucus was present within the nostrils and the upper airway.

CARDIOVASCULAR SYSTEM: The heart weighed 470 grams. It had a smooth and glistening epicardial surface with a moderate amount of fat. The coronary arteries followed a normal distribution. There was concentric moderate atherosclerosis of the left anterior descending coronary artery. The right coronary artery and circumflex had mild to moderate atherosclerosis. On sectioning, the myocardium was red-brown. There was no fibrosis. The walls of the right and left ventricles were of normal thickness. The cardiac valves were of normal size and had thin pliable cusps. The aorta had mild proximal atherosclerosis that became mild to moderate in the more distal portion.

RESPIRATORY SYSTEM: The right lung weighed 820 grams and the left weighed 730 grams. The upper pleural surfaces were dark gray and became darker in the more dependent portions. On sectioning, hemorrhagic and foamy fluid exuded from the cut surfaces along with a variegated appearance. There was no tumor or pulmonary emboli.

HEPATOBILIARY SYSTEM: The liver weighed 2,500 grams. It had a dark brown external and cut surface. There was no tumor, infectious process or hemorrhage. The gallbladder contained less than 5 milliliters of a viscid green bile. There were no stones. The hepatobiliary ducts were patent.

SPLEEN: The spleen weighed 430 grams. It had a purple-gray intact capsule. On sectioning, the parenchyma was red-brown. The Malpighian corpuscles were prominent.

ADRENALS: Both adrenal glands were surrounded by a moderate amount of fat. On sectioning, the cortices were yellow and of normal thickness. The medullae were gray-tan and unremarkable.

EPAHO089000433

PANCREAS: The pancreas had the usual size and shape. It was red-brown and lobulated on external and cut surface. It was unremarkable.

GASTROINTESTINAL TRACT: The esophagus had a gray-tan mucosa. The stomach contained 50 milliliters of a thick liquid digestate. The duodenum, small and large bowels were unremarkable. The appendix was present at the tip of the cecum.

GENITOURINARY TRACT: Each kidney weighed 195 grams. Both had capsules that stripped with ease to reveal smooth brown surfaces. On sectioning, the cortices and medullae were well demarcated. There was no tumor, infectious process or hemorrhage. The urinary bladder contained 60 milliliters of urine. The bladder mucosa was white-tan. The prostate was of normal size and had a homogenous pink-tan surface. There were no palpable nodules.

NECK: The internal structures of the neck were examined. The proximal esophagus had a gray-tan mucosa. The larynx contained a small amount of mucous but was otherwise unremarkable. There was no food lodged in the upper airway. The hyoid bone, thyroid cartilage and cricoid cartilage were intact and had no fractures. There were no cervical spine fractures. The thyroid gland had the usual butterfly shape and was red-brown on both external and cut surfaces. There were no nodules.

HEAD: The scalp was incised and reflected in the usual manner. There were no subscalp hemorrhages. The top of the skull was removed and had no fractures. There was no epidural, subdural or subarachnoid hemorrhage. The brain weighed 1,500 grams. The vessels at the base of the brain were intact and had no anomalies or abnormalities. On sectioning the cerebrum, cerebellum, and brainstem, there was no tumor, infectious process or hemorrhage. The base of the skull was intact and had no fractures. There were no neck fractures.

EPAHO089000434

MICROSCOPIC EXAMINATION

HEART: There was mild myocyte hypertrophy.

LUNGS: Sections showed a hemorrhagic pulmonary edema. Few foci of lymphocytes were present. Mononuclear cells including few lymphocytes were present in alveolar spaces. Small areas of atelectases were present.

EPAHO089000435

LABORATORY RESULTS

- **The laboratory findings revealed a 3.4 mcg/mL of thiosulfate in the urine which when creatinine corrected was 1.7 mcg/mL. Findings from cardiac blood revealed an elevated blood thiosulfate level of 11 mcg/mL. Investigation and research by the forensic toxicologist, Laura M. Labay, Ph. D., DABFT, revealed thiosulfate blood concentrations found in the postmortem blood of Mr. Sutter to be consistent with other reported cases of hydrogen sulfide poisoning.**

- **Results of testing on clothing removed from the decedent revealed numerous chemical substances including hydrogen sulfide along with sulfides, disulfides and other chemicals.**

EPAHO089000436

PATHOLOGICAL FINDINGS

1. **Asphyxia due to hydrogen sulfide (H_2S) inhalation poisoning.**
2. **Strong chemical odor of body and clothing.**
3. **Hemorrhagic pulmonary edema.**
4. **Blood and mucus within the mouth, nose and upper airway.**
5. **Coalescent hemorrhage of the conjunctivae of the eyes and petechiae over the upper forehead and face.**
6. **Minimal cardiomegaly.**

CAUSE OF DEATH: Asphyxia and poisoning due to hydrogen sulfide (H_2S) inhalation.

MANNER OF DEATH: Accident, while at work.

COMMENT: According to a witness, decedent was at work atop a tanker truck inside a warehouse when he suddenly collapsed, gasped twice and blood began gushing from his nose. According to this witness, the decedent was unscrewing a wing nut on the dome lid when the incident occurred. This witness reported that the dome lid was closed when the incident occurred. A second witness reported that the decedent actually opened the dome and immediately collapsed. The second witness reported the decedent lay there about 15 minutes until vapors subsided before anyone moved him. The dome lid was open during this time and was closed by other workers before the Port Arthur Fire Department and EMS teams arrived. The Port Arthur Fire Department and EMS personnel were advised by some workers that decedent might have been exposed to toxic fumes.

Once at the hospital, medical staff noted a strong chemical odor coming from decedent. Medical staff immediately placed decedent in a decontamination area, removed his clothing and hazmat washed him. The decedent's clothing had a strong chemical odor and was biohazard bagged and later submitted to OSHA for testing.

EPAHO089000437

The fire department then returned to the scene of the incident to take Draeger Meter readings from atop the tanker. Draeger Meter reading reportedly showed 1ppm of H_2S, however the fire department officials were not told that the tanker had already been vented of its hazardous contents. It was later discovered that prior to the incident the tank had contained high levels of retained H_2S. By witness account, the tank was filled with water and brought to a boil using steam. When the dome lid was opened, the H_2S and other chemical gasses struck decedent's face, were inhaled and vented into the atmosphere.

The phenomenon referred to as "knockdown" is likely a consequence of a direct toxic effect of hydrogen sulfide on the brain. This effect would have prevented utilization of oxygen and resulted in a hydrogen sulfide induced paralysis of the respiratory centers of the brain. Ultimately, this leads to respiratory insufficiency and/or interference with oxygen exchange due to hemorrhagic pulmonary edema.

EPAHO089000438

4

Autopsy Report No. 2

FILED
APR 22 2009
Justice Court, Pct. 8

Client: *CES ENVIRONMENTAL*
2420 South Gulfway Drive
Port Arthur, TX 77641

Attn: *Mr. Marlin Moser*
Phone:1-713-539-6574
Email: mmoser@cesenvironmental.com
ggbery@cesenvironmental.com

Report Date: 12/29/08
Sample Matrix: Oil
Date Collected: 12/18/08
Time Collected: 19:00
Collected By: Godefroy Gbery
Date Received: 12/18/08
Time Received: 11:45am
CHEMTEX FILE #: P8120675

AIHA Laboratory # 101478 nelap certificate # T104704239-08A-TX

RESULTS OF ANALYSIS
SITE/LOCATION: 2420 South Gulfway Drive
Sample Identification: 267
CHEMTEX #: P8120675

Parameter	Units	Results	MDL
Ash Content	wt %	1.75	0.01
Chloride	mg/kg	418	1
Total Sodium	mg/kg	213.9	2.5
Total Zinc	mg/kg	< 2.5	2.5
Total Iron	mg/kg	< 2.5	2.5
B T U (heat content)	btu/lb	30,215	100
Hydrogen Sulfide (H2S)	mg/kg	595	10
Water Content	wt%	11.84	0.1

ppm: parts per million MDL: Method Detection Limit

Method References/Dates Analyzed and Analysts

Parameter	Method Reference	Date Analyzed/Analyst(s)
Ash Content	ASTM D-482	12/19/08 PSL
BTU (heat content)	ASTM D-240	12/18/08 SR
Chloride	EPA Method 300.0	12/18/08 PPS
Total Sodium	EPA Method 6010B	12/18/08 HKR/KSR
Total Zinc	EPA Method 6010B	12/18/08 HKR/KSR
Total Iron	EPA Method 6010B	12/18/08 HKR/KSR
Water Content	ASTM D-6304	12/19/08 ACM
Hydrogen Sulfide	HACH Method 8131	12/29 08 SR

Dr. C. N. Reddy, Ph.D, CIH, ASP
Director

Kml/kv*/CNR

Certifies that the test results cited are representative of bulk but not the parameters contained in the scope of accreditation. The analytical results, opinions or interpretations contained in this report are based upon information and material supplied by the client for which instructions have been given. The analytical results relate only to the representative aliquot received from the client for analysis. Chemtex, Inc. accepts no responsibility, express or implied, as to the use, and reproduction of this report shall not be construed in whole or in part without the written approval of Chemtex.

EPAHO089000441

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

1. Reporting ID	2. Inspection Number	3. Sampling Number
626700	311960975	▷ 401326608

4. Establishment Name

PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES

5. CSHO ID	6. Sampling Date	7. Shipping Date	8. Date Result Received
V9900	18 DEC 2008	07 JAN 2009	

9. Job Title	10. Occupational Code	11. Number Exposed
Not applicable		

12. Frequency of Exposure

Exposure Summary

14. Substance Code	15. Rqstd	16. Smpl Type	17. Exp Type	18. Exp Level	19. Units	20. PEL	21. Adj	22. Severity	23. Citation information: No Cit	PTA	Over Exp	Eng	PPE	Trng	Med	OTH

TWA calculated on actual time sampled
The I. H. is free to make changes on the Form 91B and submit them directly to IMIS

26. Analyst's Comments (Analytical Method) GC/MS ANALYSIS

Air from the closed bag was drawn through a Carbotrap 300 tube for volatiles analysis. Swatches of cloth were cut from sweat pants (2), shirt (3), and jeans (2) and extracted in carbon disulfide for GC/MS analysis. Draeger tube analysis for hydrogen sulfide and mercaptans was conducted. Swatches from shirt and jeans were extracted in water, which was tested with pH strips.

-55438: HazMat suit was not analyzed.

D-55439: Carbotrap tube: Numerous disulfide compounds including CS2, dimethyl disulfide, diethyl disulfide, dimethyl trisulfide, diethyl trisulfide, and others. Also, acetone, isopropanol, ethyl benzene, xylene, and 2-ethyl hexanol. Sweat pants: Dimethyl disulfide, fatty acids, glycerin, and long-chain alcohols and amines. Shirt: Elemental sulfur, phthalate and adipate esters, phenol and alkyl phenols, nonyl phenol isomers, alkyl cyclopentadienes, fatty acids, alcohols and amines, dimethyl dislufide, benzyl alcohol, and detergent compounds. Jeans: Elemental sulfur, phenol and alkyl phenols, alkyl cyclopentadienes, disulfide compounds, phthalate and adipate esters, and detergent compounds. Draeger tubes produced no evidence of hydrogen sulfide or mercaptans. pH on cloth swatches tested was not elevated, indicating absence of caustics such as NaOH.

27. Chain of Custody a. Seals Intact	Init.	Date Y
b. Rec'd In Lab	DJK	14 JAN 2009
c. Rec'd by Anal.	PH	14 JAN 2009
d. Anal. Completed	PH	21 JAN 2009
e. Calc. Checked	MEE	31 JAN 2009
f. Supr. OK'd	WP	22 JAN 2009

28 Submission number	1975-1	1975-2
29 Lab Sample No. (Minutes/Type)	D55438 B	D55439 B

30. Analyte	31. Analysis Results/ 32. Sample included in calculations of	
M125 Qualitative Mass-Spec Analysis	NA	BULK

EPAHO089000442

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

Because the results for air samples are used in further calculations, the number of figures reported in section 31 may not reflect the actual precision of the analysis. Calculated confidence limits (UCL & LCL) should be rounded to no more than three significant figures.
The precision of analysis for wipe samples and for bulk material samples justify rounding results to no more than two significant figures.

The Sampling and Analytical Error (SAE) is the current value for the specific chemical(s) and should be used for the calculations.
Blank values are reported for reference only. Appropriate blank corrections have been applied to the samples by the Salt Lake Technical Center. Blank results are less than the reporting limit(s) unless otherwise noted.

33. Analyte Code SAE Value

M125

L	MILLIGRAMS PER LITER (URINE)	D	MICROGRAMS PER DECILITER (BLOOD)
C	PICO CURIES PER LITER (RADON GAS)	P	PARTS PER MILLION
P	FIBERS PER CUBIC CENTIMETER	X	MICROGRAMS
M	MILLIGRAMS PER CUBIC METER	%	PERCENT
Y	MILLIGRAMS	E	FIBERS PER MM2
N	NONE	G	MILLION PARTICLES PER CUBIC FOOT (MPPCF)
BM/S	Bar Meters per Second		

Bulk samples are analysed to provide an estimate of the composition of the material submitted. The results reported should be considered semi-quantitative only. Reporting limit for quartz in bulk samples is 1%

NA The sample was not analyzed.

Analyte codes are chosen by the laboratory. The I. H. should review them for applicability. If there are any questions call the laboratory for appropriate analyte codes (ie. ICP uses fume analyte codes when the IH may have sampled for dust).

Sampling Number: 401326608

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

1. Reporting ID	2. Inspection Number	3. Sampling Number
626700	311960975	401326616

4. Establishment Name
PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES

5. CSHO ID	6. Sampling Date	7. Shipping Date	8. Date Result Received
V9900	18 DEC 2008	07 JAN 2009	

9. Job Title	10. Occupational Code	11. Number Exposed
Not applicable		

12. Frequency of Exposure

Exposure Summary

14. Substance Code	15. Rqstd	16. Smpl Type	17. Exp Type	18. Exp Level	19. Units	20. PEL	21. Adj	22. Severity	23. Citation information: No Cit	FTA	Over Exp	Eng	PPE	Trng	Med	OTH

TWA calculated on actual time sampled
The I. H. is free to make changes on the Form 91B and submit them directly to IMIS

26. Analyst's Comments (Analytical Method) HISTORICAL GC/MS

A portion of bulk oil was placed in carbon disulfide for analysis by GC/mass spectrometry. Testing for pH was done by placing a portion of oil in water, then testing the water with pH indicator strips. Testing for H2S and SO2 in bottle headspace was done using detector tubes.

D-55599: Most abundant organic analytes were phenol, cresols and other alkyl phenols. Also found were numerous sulfides, disulfides, trisulfides, and tetrasulfides, as well as toluene, xylene, and elemental sulfur. Indicator strips gave an approximate pH of 6. H2S and SO2 were not detected in headspace over the oil.

27. Chain of Custody a. Seals Intact	Init.	Date Y
b. Rec'd In Lab	DJK	21 JAN 2009
c. Rec'd by Anal.	PH	22 JAN 2009
d. Anal. Completed	PH	23 JAN 2009
e. Calc. Checked	MEE	23 JAN 2009
f. Supr. OK'd	WP	26 JAN 2009

28 Submission number 1975-3

29 Lab Sample No. (Minutes/Type) D55599 B

30. Analyte	31. Analysis Results/ 32. Sample included in calculations of
M125 Qualitative Mass-Spec Analysis	BULK

Because the results for air samples are used in further calculations, the number of figures reported in section 31 may not reflect the actual precision of the analysis. Calculated confidence limits (UCL & LCL) should be rounded to no more than three significant figures.
The precision of analysis for wipe samples and for bulk material samples justify rounding results to no more than two significant figures.

The Sampling and Analytical Error (SAE) is the current value for the specific chemical(s) and should be used for the calculations.
Blank values are reported for reference only. Appropriate blank corrections have been applied to the samples by the Salt Lake Technical Center. Blank results are less than the reporting limit(s) unless otherwise noted.

33. Analyte Code	SAE Value
M125	

L	MILLIGRAMS PER LITER (URINE)	D	MICROGRAMS PER DECILITER (BLOOD)
C	PICO CURIES PER LITER (RADON GAS)	P	PARTS PER MILLION
F	FIBERS PER CUBIC CENTIMETER	X	MICROGRAMS
M	MILLIGRAMS PER CUBIC METER	%	PERCENT

EPAHO089000444

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

Z	MILLIGRAMS	E	FIBERS PER MM2
N	NONE	G	MILLION PARTICLES PER CUBIC FOOT (MPPCF)
BM/S	Bar Meters per Second		

Bulk samples are analyzed to provide an estimate of the composition of the material submitted. The results reported should be considered semi-quantitative only. Reporting limit for quartz in bulk samples is 1%

Analyte codes are chosen by the laboratory. The I. H. should review them for applicability. If there are any questions call the laboratory for appropriate analyte codes (ie. ICP uses fume analyte codes when the IH may have sampled for dust).

EPAHO089000445

IMIS Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

1. Reporting ID	2. Inspection Number	3. Sampling Number
626700	311960975	▷ 401326616

4. Establishment Name

PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES

5. CSHO ID	6. Sampling Date	7. Shipping Date	8. Date Result Received
V9900	18 DEC 2008	07 JAN 2009	

9. Job Title	10. Occupational Code	11. Number Exposed
Not applicable		

12. Frequency of Exposure

Exposure Summary

14. Substance Code	15. Rgstd	16. Smpl Type	17. Exp Type	18. Exp Level	19. Units	20. PEL	21. Adj	22. Severity	23. Citation information: No Cit	FTA	Over Exp	Eng	PPE	Trng	Mod	OTH

TWA calculated on actual time sampled
The I. H. is free to make changes on the Form 91B and submit them directly to IMIS

25. Analyst's Comments (Analytical Method) OSHA ID-121

The reporting limit for analyte 2260 (Sodium Hydroxide) is 8.7 micrograms per sample.

Results have not been blank corrected.

Samples were analyzed for sodium only. It is assumed that all sodium present is derived from sodium hydroxide.

The amount of material used in the analysis of sample D55599 is 1.8149 grams.

27. Chain of Custody a. Seals Intact	Init.	Date Y
b. Rec'd In Lab	DJK	21 JAN 2009
c. Rec'd by Anal.	BJA	24 FEB 2009
d. Anal. Completed	BJA	24 FEB 2009
e. Calc. Checked	JA	24 FEB 2009
f. Supr. OR'd	JR	25 FEB 2009

28 Submission number 1975-3

29 Lab Sample No. (Minutes/Type) D55599 B

30. Analyte	31. Analysis Results/	32. Sample included in calculations of
2260 Sodium Hydroxide	0.4590 %	

Because the results for air samples are used in further calculations, the number of figures reported in section 31 may not reflect the actual precision of the analysis. Calculated confidence limits (UCL & LCL) should be rounded to no more than three significant figures. The precision of analysis for wipe samples and for bulk material samples justify rounding results to no more than two significant figures.

The Sampling and Analytical Error (SAE) is the current value for the specific chemical(s) and should be used for the calculations. Blank values are reported for reference only. Appropriate blank corrections have been applied to the samples by the Salt Lake Technical Center. Blank results are less than the reporting limit(s) unless otherwise noted.

33. Analyte Code	SAE Value
2260	

L	MILLIGRAMS PER LITER (URINE)	D	MICROGRAMS PER DECILITER (BLOOD)
C	PICO CURIES PER LITER (RADON GAS)	P	PARTS PER MILLION
F	FIBERS PER CUBIC CENTIMETER	X	MICROGRAMS
M	MILLIGRAMS PER CUBIC METER	%	PERCENT
Y	MILLIGRAMS	E	FIBERS PER MM2

EPAHO089000446

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

N NONE G MILLION PARTICLES PER CUBIC FOOT (MPPCF)

BM/S Bar Meters per Second

Bulk samples are analyzed to provide an estimate of the composition of the material submitted. The results reported should be considered semi-quantitative only. Reporting limit for quartz in bulk samples is 1%

Analyte codes are chosen by the laboratory. The I. H. should review them for applicability. if there are any questions call the laboratory for appropriate analyte codes (ie. ICP uses fume analyte codes when the IH may have sampled for dust).

Sampling Number: 401326616

Data Sampling Report: U.S. Department of Labor Occupational Safety and Health Administration.

1. Reporting ID	2. Inspection Number	3. Sampling Number
626700	311960975	▷ 401326616

4. Establishment Name

PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES

5. CSHO ID	6. Sampling Date	7. Shipping Date	8.Date Result Received
V9900	18 DEC 2008	07 JAN 2009	

9. Job Title	10.Occupational Code	11. Number Exposed
Not applicable		

12. Frequency of Exposure

Exposure Summary

14. Substance Code	15. Rqstd	16. Smpl Type	17.Exp Type	18.Exp Level	19. Units	20. PEL	21. Adj	22. Severity	23. Citation information: No Cit	FTA	Over Exp	Eng	PPE	Trng	Mad	OTH

TWA calculated on actual time sampled
The I. H. is free to make changes on the Form 91B and submit them directly to IMIS

26.Analyst's Comments (Analytical Method) IN-HOUSE P200

27.Chain of Custody a. Seals Intact	Init.	Date Y
b. Rec'd In Lab	DJK	21 JAN 2009
c. Rec'd by Anal.	KAO	02 FEB 2009
d. Anal. Completed	KAO	18 FEB 2009
e. Calc. Checked	JA	26 FEB 2009
f. Supr. OK'd	JR	03 MAR 2009

28 Submission number 1975-3

29 Lab Sample No. (Minutes/Type) D55599 B

30. Analyte	31. Analysis Results/	32. Sample included in calculations of
P200 pH Determination	8.0000	N

Because the results for air samples are used in further calculations, the number of figures reported in section 31 may not reflect the actual precision of the analysis. Calculated confidence limits (UCL & LCL) should be rounded to no more than three significant figures.
The precision of analysis for wipe samples and for bulk material samples justify rounding results to no more than two significant figures.

The Sampling and Analytical Error (SAE) is the current value for the specific chemical(s) and should be used for the calculations.
Blank values are reported for reference only. Appropriate blank corrections have been applied to the samples by the Salt Lake Technical Center. Blank results are less than the reporting limit(s) unless otherwise noted.

33. Analyte Code	SAE Value
P200	

L	MILLIGRAMS PER LITER (URINE)	D	MICROGRAMS PER DECILITER (BLOOD)
C	PICO CURIES PER LITER (RADON GAS)	P	PARTS PER MILLION
F	FIBERS PER CUBIC CENTIMETER	X	MICROGRAMS
M	MILLIGRAMS PER CUBIC METER	%	PERCENT
Y	MILLIGRAMS	E	FIBERS PER MM2

Sampling Number: 401326616

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

N NONE G MILLION PARTICLES PER CUBIC FOOT (MPPCF)

BM/S Bar Meters per Second

Bulk samples are analyzed to provide an estimate of the composition of the material submitted. The results reported should be considered semi-quantitative only. Reporting limit for quartz in bulk samples is 1%

Analyte codes are chosen by the laboratory. The I. H. should review them for applicability. if there are any questions call the laboratory for appropriate analyte codes (ie. ICP uses fume analyte codes when the IH may have sampled for dust).

Sampling Number: 401326616

Air Sampling Report U.S. Department of Labor Occupational Safety and Health Administration.

1. Reporting ID	2. Inspection Number	3. Sampling Number
626700	311960975	▷ 401326616

4. Establishment Name

PORT ARTHUR CHEMICAL & ENVIRONMENTAL SERVICES

5. CSHO ID	6. Sampling Date	7. Shipping Date	8. Date Result Received
V9900	18 DEC 2008	07 JAN 2009	

9. Job Title	10. Occupational Code	11. Number Exposed
Not applicable		

12. Frequency of Exposure

Exposure Summary

14. Substance Code	15. Rqstd	16. Smpl Type	17. Exp Type	18. Exp Level	19. Units	20. PEL	21. Adj	22. Severity	23. Citation information: No Cit	PTA	Over Exp	Eng	PPE	Trng	Med	OTH

TWA calculated on actual time sampled
The I. H. is free to make changes on the Form 91B and submit them directly to IMIS

26. Analyst's Comments (Analytical Method) OSHA ID-165SG

The sample contained 0.879 % by weight hydrogen sulfide. Sample # D55599 was confirmed for Hydrogen sulfide by GC/MASS SPEC.

27. Chain of Custody a. Seals Intact	Init.	Date Y
b. Rec'd In Lab	DJK	21 JAN 2009
c. Rec'd by Anal.	REB	13 FEB 2009
d. Anal. Completed	REB	20 FEB 2009
e. Calc. Checked	FMG	23 FEB 2009
f. Supr. OK'd	NP	23 FEB 2009

28 Submission number 1975-3

29 Lab Sample No. (Minutes/Type) D55599 B

30. Analyte	31. Analysis Results/	32. Sample included in calculations of
1480 Hydrogen Sulfide	0.8790 %	BULK

Because the results for air samples are used in further calculations, the number of figures reported in section 31 may not reflect the actual precision of the analysis. Calculated confidence limits (UCL & LCL) should be rounded to no more than three significant figures.
The precision of analysis for wipe samples and for bulk material samples justify rounding results to no more than two significant figures.

The Sampling and Analytical Error (SAE) is the current value for the specific chemical(s) and should be used for the calculations.
Blank values are reported for reference only. Appropriate blank corrections have been applied to the samples by the Salt Lake Technical Center. Blank results are less than the reporting limit(s) unless otherwise noted.

33. Analyte Code	SAE Value
1480	

L	MILLIGRAMS PER LITER (URINE)	D	MICROGRAMS PER DECILITER (BLOOD)
C	PICO CURIES PER LITER (RADON GAS)	P	PARTS PER MILLION
F	FIBERS PER CUBIC CENTIMETER	X	MICROGRAMS
M	MILLIGRAMS PER CUBIC METER	%	PERCENT
Y	MILLIGRAMS	E	FIBERS PER MM2

EPAHO089000450

Air Sampling Report - U.S. Department of Labor, Occupational Safety and Health Administration.

N NONE G MILLION PARTICLES PER CUBIC FOOT (MPPCF)

BM/S Bar Meters per Second

Bulk samples are analyzed to provide an estimate of the composition of the material submitted. The results reported should be considered semi-quantitative only. Reporting limit for quartz in bulk samples is 1%

Analyte codes are chosen by the laboratory. The I. H. should review them for applicability. if there are any questions call the laboratory for appropriate analyte codes (ie. ICP uses fume analyte codes when the IH may have sampled for dust).

Sampling Number: 401326616

5

Autopsy Report No. 3

NMS LABS

FILED
APR 22 2009
Justice Court, Pct. 8

March 25, 2009

Southeast Texas Forensic Ctr. - Beaumont
Attn.: Michele Bertrand
5030 Highway 69 South, Ste. 700
Beaumont, TX 77705

Re: ***SUTTER, JOEY (Patient ID 08-1253)***
NMS File Nos.: WO# 09049978 and 09-0123

Dear Ms. Bertrand:

You have requested that I provide a report discussing my opinions and conclusions regarding Mr. Joey Sutter's toxicology result as detailed in the report issued by NMS Labs on March 16, 2009. Specifically, you would like to know about the thiosulfate finding in blood and its meaning.

Per my understanding Mr. Sutter was a contract employee who was working at a site where there was a wastewater container storing hydrogen sulfide (H_2S). A decision was made to boil off its contents and, at some point, Mr. Sutter opened the dome lid. Following this action Mr. Sutter gasped twice and collapsed, and blood was seen to be gushing from his nose. Despite rescue efforts Mr. Sutter could not be revived. Subsequent testing performed on his clothing revealed the presence of multiple sulfides. Finally, thiosulfate, a metabolite of sulfide, was found at a concentration of 11 mcg/mL in cardiac blood.

By comparing Mr. Sutter's thiosulfate concentration with the concentrations listed in the table below, in conjunction with the review of other case histories, it is seen that Mr. Sutter's concentration is consistent with other thiosulfate concentrations that have been reported in hydrogen sulfide fatal case outcomes.

As a point of reference, whole blood thiosulfate concentrations in healthy persons are normally less then 0.3 mcg/mL.

Based upon the above information in conjunction with my knowledge, training and experience, it is my opinion that:

The thiosulfate concentration determined in Mr. Sutter's blood sample is consistent with other reported postmorten thiosulfate concentrations where the cause of death was attributed to hydrogen sulfide poisoning.

If you have any questions regarding this report please do not hesitate to contact me. Also, in the event additional information becomes available, that may affect the above opinion and conclusion, please forward such to me for evaluation.

Laura M. Labay, Ph.D., DABFT
Forensic Toxicologist

REFERENCES

1. Kage, S., et al. Fatal and Nonfatal Poisoning by Hydrogen Sulfide at an Industrial Waste Site. J Forensic Sci 2002; 47 (3): 652-655.

2. Kage, S., et al. A Fatal Case of Hydrogen Sulfide Poisoning in a Geothermal Power Plant. J Forensic Sci 1998; 43 (4): 908-910.

3. Ago, M., et al. Two Fatalities by Hydrogen Sulfide Poisoning: Variation of Pathological and Toxicological Findings. Legal Medicine 10 (2008) 248-152.

4. Kage, S., et al. The Usefulness of Thiosulfate as an Indicator of Hydrogen Sulfide Poisoning: Three Cases. Int J Legal Med (1997) 110: 220-222.

CASE HISTORY	THIOSULFATE CONCENTRATION
Reference 1: A man (A) enters a pit at an industrial waste site and suddenly loses consciousness. Three colleagues (B, C and D) enter the pit to attempt rescue. All lose consciousness. Workers A and B die soon after arrival at the hospital. Blood was collected at the time of the autopsies, 7 hours after the accident for Worker A and 8 hours after the accident for Worker B.	Worker A Blood: 10.53 mcg/mL Worker B Blood: 4.59 mcg/mL
Reference 2: A man enters an oil separator room in a geothermal power plant. He suddenly collapses and dies soon thereafter. The body was kept at 0°C until the autopsy was performed 20 hours after death. Blood was collected at the time of autopsy.	Blood: 16 mcg/mL
Reference 3: Several workers enter a water ballast tank to remove heavy oil and suddenly feel unwell. Two of the workers (A and B) arrive at a hospital in cardiopulmonary arrest and soon thereafter are pronounced dead. Autopsies on Worker A and Worker B were performed at 20 and 24 hours post-death, respectively.	Worker A Blood: 9.9 mcg/mL Worker B Blood: 15 mcg/mL
Reference 4: A worker enters a tank to remove sludge, suddenly collapses and dies soon after. The body was kept at room temperature until the autopsy was performed 22 hours post-death. Blood was collected at the time of autopsy.	Blood: 2.7 mcg/mL
Reference 4: Two workers (A and B) enter a pump room to repair a pump. When a check valve is opened Hydrogen Sulfide is smelled. Worker B leaves to get a ventilator and when Worker B returns, Worker A is found lying beneath a pool of sewage and died soon thereafter. The body was kept at 0°C until the autopsy was performed 24 hours after death. Blood samples were collected 4 hours after death and at the time of autopsy.	Worker A Blood (4 hr): 13 mcg/mL Blood (Autopsy): 13 mcg/mL

6

Autopsy Report No. 4

NMS Labs
3701 Welsh Road, PO Box 433A, Willow Grove, PA 19090-0437
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, DABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Toxicology Report

Report Issued 03/16/2009 11:00

To: **10240**
Southeast Texas Forensic Ctr.-Beaumont
Attn: Dr. Tommy Brown
5030 Highway 69 South, Ste.700
Beaumont, TX 77705

Patient Name	SUTTER, JOEY
Patient ID	08-1253
Chain	11019013
Age	36 Y
Gender	Male
Workorder	09049978

FILED
APR 22 2009
Justice Court, Pct. 8

Positive Findings:

Compound	Result	Units	Matrix Source
Special Request Finding(s)	Positive		Cardiac Blood

See Detailed Findings section for additional information

Specimens Received:

ID	Tube/Container	Volume/ Mass	Collection Date/Time	Matrix Source	Miscellaneous Information
001	Gray Top Tube	11 mL	12/19/2008	Cardiac Blood	

All sample volumes/weights are approximations.

Specimens received on 03/05/2009.

Testing Requested:

Analysis Code	Description
7005SA	Special Request

Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Special Request Finding(s)	Positive			001 - Cardiac Blood	[Depending on request]

Thiosulfate = 11 mcg/mL
Reporting Limit = 2.0 mcg/mL
Analysis by Ion Chromatography

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

1. **Special Request Finding(s) - Cardiac Blood:**

   Thiosulfate is a byproduct of the metabolic degradation of cysteine and methionine. As a result, normal endogenous levels of thiosulfate can be found in urine. However, whether normal levels of thiosulfate can be found in serum, plasma or whole blood is debatable. Certain environmental exposures, dietary conditions and pathological states can give rise to increased urinary levels of thiosulfate as well as significant concentrations in serum, plasma and/or whole blood. Hydrogen sulfide exposure is a common source of increased urinary and serum levels of thiosulfate.

   After a single 20 mg oral dose of thiosulfate, reported plasma concentrations at 1.5 hr averaged 0.050 mcg/mL and declined to approximately 0.015 mcg/mL by 12 hr. After chronic daily dosing of between 15 to 60 mg, plasma concentrations were reported to range from 0.010 - 0.023 mcg/mL 2 hr after the last dose.

   Experience in our laboratory indicates that basal serum, plasma and blood concentrations of thiosulfate are less than 2 mcg/mL.

This analysis was performed under chain of custody after receipt at NMS Labs. The chain of custody documentation is on file at NMS Labs.

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) weeks from the date of this report; and generated data will be discarded five (5) years from the date of this report.

Analysis Summary:

Acode 7005SA - Special Request - Cardiac Blood

- Analysis by [Depending on request] for: Special Request Finding(s)

EPAHO089000461

Autopsy Report No. 5

NMS Labs
3701 Welsh Road, PO Box 433A, Willow Grove, PA 19090-0437
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, DABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Toxicology Report

Report Issued 01/03/2009 11:00

To: **10240**
Southeast Texas Forensic Ctr.-Beaumont
Attn: Dr. Tommy Brown
5030 Highway 69 South, Ste.700
Beaumont, TX 77705

Patient Name	SUTTER, JOEY
Patient ID	08-1253
Chain	10973687
Age	36 Y
Gender	Male
Workorder	08361311

FILED
APR 27 2009
Justice Court, Pct. 8

Positive Findings:

Compound	Result	Units	Matrix Source
Caffeine	Positive	mcg/mL	Blood
Cotinine	Positive	ng/mL	Blood
Nicotine	Positive	ng/mL	Blood
Theobromine	Positive	mcg/mL	Blood
Acetaminophen	4.6	mcg/mL	Blood

See Detailed Findings section for additional information

Specimens Received:

ID	Tube/Container	Volume/ Mass	Collection Date/Time	Matrix Source	Miscellaneous Information
001	Gray Top Tube	10.75 mL	12/19/2008	Blood	

All sample volumes/weights are approximations.

Specimens received on 12/30/2008.

Testing Requested:

Analysis Code	Description
8052B	Postmortem Toxicology - Expanded, Blood

Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Caffeine	Positive	mcg/mL	0.10	001 - Blood	GC/MS
Cotinine	Positive	ng/mL	12	001 - Blood	GC/MS
Nicotine	Positive	ng/mL	12	001 - Blood	GC/MS
Theobromine	Positive	mcg/mL	5.0	001 - Blood	GC/MS
Acetaminophen	4.6	mcg/mL	0.50	001 - Blood	HPLC

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

1. **Acetaminophen (Tylenol®) - Blood:**

   Acetaminophen is an over the counter analgesic with antipyretic properties; however, it has no anti-inflammatory actions. It may be found both alone and in combinations with other substances such as codeine, hydrocodone, tramadol, butalbital, and propoxyphene. It appears to be a relatively safe substance when used in analgesic amounts; however, it frequently produces acute hepatic necrosis after overdose.

   The generally accepted therapeutic range of acetaminophen is 10 - 20 mcg/mL of plasma; however, there are considerable individual differences in plasma concentrations.

   Symptoms of acetaminophen overdose usually are not seen immediately but are reflected in hepatic damage after 1/2 to 6 days with concentrations of 120 mcg/mL and above. A reported range of blood levels in individuals succumbing to acetaminophen overdose ranged from 160 - 390 mcg/mL.

2. Caffeine (No-Doz) - Blood:

   Caffeine is a xanthine-derived central nervous system stimulant. It also produces diuresis and cardiac and respiratory stimulation. It can be readily found in such items as coffee, tea, soft drinks and chocolate. As a reference, a typical cup of coffee or tea contains between 40 to 100 mg caffeine.

   Following the oral ingestion of 120 and 300 mg of caffeine, reported peak plasma concentrations of the drug averaged 3.0 mcg/mL (range, 2.0 - 4.0 mcg/mL) and 7.9 mcg/mL (range, 6.0 - 9.0 mcg/mL), respectively. A single oral dose of 500 mg produced a reported peak plasma concentration of 14 mcg/mL after 30 min.

   Reported concentrations of caffeine in caffeine-related fatalities averaged 183 mcg/mL (range, 79 - 344 mcg/mL).

3. Cotinine (Nicotine Metabolite) - Blood:

   Cotinine is a metabolite of nicotine and may be encountered in the fluids and tissues of an individual as a result of, e.g., tobacco exposure. Concentrations may be variable in blood and urine depending on the route of exposure and length of exposure. Cotinine plasma/serum concentrations in non-smokers are reported to be typically less than 15 ng/mL. Tobacco users and transdermal patch wearers have typical cotinine plasma/serum concentrations of less than 1000 ng/mL.

   Anabasine is a natural product occurring in tobacco, but not in pharmaceutical nicotine and a separate test for anabasine in urine can be used to distinguish tobacco from pharmaceutical nicotine use.

4. **Nicotine - Blood:**

   Nicotine is a potent alkaloid that is found in tobacco leaves at the extent of 2 - 8% by weight. It is also reportedly found in various fruits, vegetables and tubers, e.g., tomatoes and potatoes, albeit at a smaller per weight fraction. As a natural constituent of tobacco, nicotine is found in cigarettes and other commonly used smoking or chewing products. It can also be found in smoking cessation products, e.g., patches. Nicotine has also classically been used as a pesticide, although not as widely since the advent of more effective agents. Death from nicotine exposure usually results from either a block of neuromuscular transmission in respiratory muscles or from seizures.

EPAHO089000464

Reference Comments:

Nicotine is extensively metabolized in man with the primary measured and reported metabolite being the oxidative product cotinine. Nicotine itself has a relatively short plasma half-life of approximately 1 to 2 hr; on the other hand, cotinine has a half-life of approximately 20 hr. Non-smokers typically have plasma/serum nicotine concentrations of less than 10 ng/mL; however, concentrations may be higher depending on exposure parameters, e.g., length of time in a tobacco smoke environment; amount of airborne nicotine, etc. Tobacco users and transdermal patch wearers have typical nicotine plasma/serum concentrations less than 100 ng/mL. However, many factors influence the concentrations found in any individual, including: Frequency of use; amount of nicotine exposed to; route of administration; etc.

Toxic manifestations of nicotine overdose include nausea, vomiting, dizziness, sweating, miosis, EEG and ECG changes, tachycardia, hypertension, respiratory failure, seizures and death. Reported blood concentrations of nicotine in deaths attributed to the compound range from 1000 - 5800000 ng/mL.

Anabasine is a natural product occurring in tobacco, but not in pharmaceutical nicotine and a separate test for anabasine in urine can be used to distinguish tobacco from pharmaceutical nicotine use.

5. Theobromine (Xantheose) - Blood:

Theobromine is a methylxanthine alkaloid found in tea and cocoa products and has been reported to pass into the breast milk of nursing mothers. Theobromine has the general properties of the xanthines, including diuresis and smooth muscle stimulation.

This analysis was performed under chain of custody after receipt at NMS Labs. The chain of custody documentation is on file at NMS Labs.

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) weeks from the date of this report; and generated data will be discarded five (5) years from the date of this report.

Workorder 08361311 was electronically signed on 01/03/2009 10:16 by:

Joe Corvo

Joseph N. Corvo,
Certifying Scientist

Analysis Summary:

Acode 50000B - Acetaminophen Confirmation, Blood (Forensic)

- Analysis by High Performance Liquid Chromatography (HPLC) for: Acetaminophen

Acode 8052B - Postmortem Toxicology - Expanded, Blood

- Analysis by Colorimetry (C) for: Acetaminophen

- Analysis by Colorimetry (C) for: Salicylates

- Analysis by Enzyme-Linked Immunosorbent Assay (ELISA) for: Barbiturates, Benzodiazepines, Cannabinoids, Cocaine/Metabolites, Methadone, Opiates, Phencyclidine, Propoxyphene

- Analysis by Gas Chromatography/Mass Spectrometry (GC/MS) for: The following is a general list of compound classes included in the Gas Chromatographic screen. The detection of any particular compound is concentration-dependent. Please note that not all known compounds included in each specified class or heading are included. Some specific compounds outside these classes are also included. For a detailed list of all compounds included in this screen, please contact NMS Labs.

Amphetamines, Analgesics (opioid and non-opioid), Anesthetics, Anticholinergic Agents, Anticonvulsant Agents, Antidepressants, Antiemetic Agents, Antihistamines, Antiparkinsonian Agents, Antipsychotic Agents, Anxiolytics (Benzodiazepine and others), Cardiovascular Agents (non-digitalis), Hallucinogens, Hypnosedatives (Barbiturates, Non-Benzodiazepine Hypnotics and others), Muscle Relaxants, Non-Steroidal Anti-Inflammatory Agents (excluding Salicylate) and Stimulants (Amphetamine-like and others).

Analysis Summary:

- Analysis by Headspace Gas Chromatography (GC) for: Acetone, Ethanol, Isopropanol, Methanol

8

Autopsy Report No. 6

NMS Labs
3701 Welsh Road, PO Box 433A, Willow Grove, PA 19090-0437
Phone: (215) 657-4900 Fax: (215) 657-2972
e-mail: nms@nmslabs.com
Robert A. Middleberg, PhD, DABFT, DABCC-TC, Laboratory Director

CONFIDENTIAL

Toxicology Report

Report Issued 01/20/2009 17:00

To: **10240**
Southeast Texas Forensic Ctr.-Beaumont
Attn: Dr. Tommy Brown
5030 Highway 69 South, Ste.700
Beaumont, TX 77705

Patient Name	SUTTER, JOEY
Patient ID	08-1253
Chain	10973749
Age	Not Given
Gender	Male
Workorder	09009238

FILED
APR 2 2 2009
Justice Court, Pct. 8

Positive Findings:

Compound	Result	Units	Matrix Source
Creatinine	**1959**	**mg/L**	**Urine**
Thiosulfate	**3.4**	**mcg/mL**	**Urine**
Thiosulfate (Creatinine corrected)	**1.7**	**mcg/g Creat**	**Urine**

See Detailed Findings section for additional information

Specimens Received:

ID	Tube/Container	Volume/ Mass	Collection Date/Time	Matrix Source	Miscellaneous Information
001	Gray Top Tube	10.75 mL	Not Given	Blood	
002	Red Top Tube	9.75 mL	Not Given	Urine	

All sample volumes/weights are approximations.

Specimens received on 01/15/2009.

Testing Requested:

Analysis Code	Description
4235B	Sulfhemoglobin, Blood
4472U	Thiosulfate, Urine

Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Creatinine	1959	mg/L	5.0	002 - Urine	Colorimetry
Thiosulfate	3.4	mcg/mL	1.0	002 - Urine	IC
Thiosulfate (Creatinine corrected)	1.7	mcg/g Creat	0.51	002 - Urine	IC

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

1. Creatinine - Urine:

   ACGIH Normal range in adults:
   300 - 3400 mg/L (mean: 1000 mg/L)
   [0.3 - 3.4 g/L (mean: 1 g/L)]
   1000 - 1600 mg/day (1.0 - 1.6 g/day).

2. Thiosulfate - Urine:

   Thiosulfate is a byproduct of the metabolic degradation of cysteine and methionine. As a result, normal endogenous levels of thiosulfate can be found in urine. However, whether normal levels of thiosulfate can be found in serum, plasma or whole blood is debatable. Certain environmental exposures, dietary conditions and pathological states can give rise to increased urinary levels of thiosulfate as well as significant concentrations in serum, plasma and/or whole blood. Hydrogen sulfide exposure is a common source of increased urinary and serum levels of thiosulfate.

   Reported endogenous thiosulfate levels in urine range from 1 - 5 mcg/mL.

3. Thiosulfate (Creatinine corrected) - Urine:

   Normal: Up to 8 mcg/g Creatinine.
   15 hours after a 60 minute exposure to air concentrations of 60 micromoles/L Hydrogen Sulfide resulted in urine concentrations up to 60 mcg/g Creatinine.

This analysis was performed under chain of custody after receipt at NMS Labs. The chain of custody documentation is on file at NMS Labs.

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) weeks from the date of this report; and generated data will be discarded five (5) years from the date of this report.

Analysis Summary:

Acode 4235B - Sulfhemoglobin, Blood

- Analysis by Spectrophotometry (SP) for: Sulfhemoglobin

Acode 4472U - Thiosulfate, Urine

- Analysis by Colorimetry (C) for: Creatinine
- Analysis by Ion Chromatography (IC) for: Thiosulfate, Thiosulfate (Creatinine corrected)

Joey Sutter

B M I

Calculation

DEPARTMENT OF HEALTH AND HUMAN SERVICES • NATIONAL INSTITUTES OF HEALTH

Calculate Your Body Mass Index

National **Heart Lung and Blood** Institute • Obesity Education Initiative

Healthy Weight Home **Menu Planner** **Portion Distortion** **WeCan!**

Body mass index (BMI) is a measure of body fat based on height and weight that applies to both **adult** men and women.

- Enter your weight and height using Standard or Metric measures.
- Click on "Compute BMI" and your BMI will appear in the heart of the figure.

Español

STANDARD **METRIC**

Your Height: 6 (feet) 2 (inches)

Your Weight: 255 (pounds)

Compute BMI

Your BMI: 32.7

BMI Categories:

- Underweight = <18.5
- Normal weight = 18.5-24.9
- Overweight = 25-29.9
- Obesity = BMI of 30 or greater

The BMI Tables

Aim for a Healthy Weight:

- **Assessing Your Risk**
- **Limitations of the BMI**
- **Controlling Your Weight**
- **Recipes**

Note: If this does not work with your browser or for a text alternative to this page, go to our CGI based BMI Calculator

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EPAHO089000473

CES

Incident Report

December 18, 2008

of Joey Sutter

Port Arthur Chemical
& Environmental Services, LLC.

INCIDENT REPORT

Near Miss **Accident**

Date of Incident 12-18-08 Time ~ 2:00 p. m.

Result of Incident: Fatality

1) □Fire 2) □ Explosion 3) Equipment Damage 4) Property Damage
5) □ Product Loss 6) Production Loss 7) Employee Endangerment
8) XX Other **FATALITY**

Person(s) Directly Involved

Name: Joey Sutter, Suzi Mock, Brad Wood, Krissy Reese, Brian Weathers

Exact Location Where Incident Occurred: 2420 S. Gulfway Dr., Port Arthur, TX 77640, Tanker Line/Unit 267

Investigative Process: Karl A. Guidry, HSE Manager was notified and informed of the incident. Upon arrival at the scene, the area around the proximity of Tanker Unit 267 was immediately roped off with yellow barricade tape. Witnesses were identified and directed to provide written statements while the information was still fresh in their minds. Witness statements are included and are part of this investigative report.

Once notice of the death of Joey Sutter had been made to Karl Guidry, he contacted OSHA at 1-800-321- 6742 at ~6:04 PM Central Time to notify them of the fatality in accordance with the provisions of 29 CFR 1904.39 which requires notification in case of death or hospitalization of three or more employees within eight (8) hours of the incident. Notification was in compliance with the requirements of the 29 CFR 1904.39 OSHA Standard. Information provided to the recording notification system by Karl Guidry include a brief statement outlining the purpose of the notification, the name and address of Port Arthur Chemical & Environmental Services and the following personal information regarding Joey Sutter:

1. Name: Joey Sutter
2. Address: (b) (6) [redacted]
3. SSN: (b) (6) [redacted] and

Sequence of Events

Witness statements indicate normal tanker sampling operations were in process and Joey Sutter was training a fellow employee, Suzi Mock on proper sampling techniques. The two individuals had sampled one tanker and proceeded to sample Tanker Unit 267. Witness statements indicate Suzi Mock accessed Tanker Unit 267 first and was situated atop Tanker Unit 267, where she opened one ventilation isolation valve. At this point, Joey Sutter climbed up the ladder to Tanker Unit 267 to continue his training of Suzi Mock. While still on the ladder, Joey Sutter began to loosen the wing nuts on the dome lid of Tanker Unit 267 when according to Suzi Mock, he gasped two times and began to bleed from his nose. Suzi Mock called for help and attempted to pull Joey Sutter's body on top of Tanker Unit 267 with her. Security notified Brad Wood, a fellow employee who instructed Administrative Assistant Krissy Reese to contact 911. Brad Wood proceeded to Tanker Unit 267 and assisted Suzi Mock and began performing CPR on Joey Sutter. 911 personnel arrived on site at ~ 2:19 pm, some ten minutes after being notified. Port Arthur EMT personnel climbed on top of Tanker Unit 267 and relieved facility personnel of CPR duties. Port Arthur Fire Captain Peake directed resources necessary for the removal of Joey Sutter from the top of the tanker.

A facility employee informed Port Arthur Fire Department personnel of the possibility Joey Sutter may have been exposed to toxic fumes. Port Arthur Fire Department personnel lowered Joey Sutter to the ground and transported him to Christus St. Mary's Hospital, located at 3600 Gates Blvd in Port Arthur, Texas. An MSDS was provided to Port Arthur Fire Department personnel indicating the material contents in Tanker Unit 267 was sulfurized isobutylene. (Document attached)

Hospital personnel indicated the presence of a strong odor from Joey Sutter's clothes. Hospital personnel removed the clothes and placed them in a biohazard bag. Christus St. Mary's Hospital staff performed a hazmat wash on Joey Sutter. Port Arthur Fire Department personnel placed a meter in the biohazard bag with Joey Sutter's clothes and recorded the following readings;

- Lel **0**
- H2S **0**
- CO **0**
- 02 **20.9%**

Describe Fully How Incident Occurred: See witness statements below.

Statement from Suzi Mock:
December 18, 2008

Re: Joey Sutter

On December 18, 2008 at approximately 2:00 pm, Joey and I went to sample trailer 267. I went up the ladder and vented off the valve to relive pressure in the tank. After the pressure was released, Joey climbed up the ladder to show me how to open up the dome lid. Still on the ladder, he started to undo the wing nuts and then he passed out. I held onto to Joey trying to keep him from falling off the ladder. He gasped two times and started bleeding out his nose. I then, screamed for help. I pulled Joey's body on top of the trailer as far as I could. The security guard called someone on the radio and hollered for help. Brad Wood and the security guard came over to the trailer to assist. I then climbed down the trailer and 911 was called.

Suzi Mock

713-859-6938

Statement from Krissy Reese
December 18, 2009

Re: Joey Sutter

I was sitting at my desk when Brad Wood hurried past my desk and told me to call 911. I then tried to call 911 from my desk phone. It would not dial out due to "IP ADDRESS" (internet down) displayed on the phone. I then grabbed my cell phone and called 911. The call was placed at 2:09 pm. Port Arthur Fire department arrived on scene at 2:19 pm.

Statement from Brad Wood:

12/18/08 Approximately 14:00

I was in the dispatch office I heard the security guard say something across the radio. I relayed back for him to repeat what he said. He said he needed help out here that Joey had just passed out on top of trailer 267 and Suzi was holding onto him. I immediately ran out the door and to where the trailer was on line.

I climbed up the ladder. Suzi said he was bleeding from the nose. I got on top of the trailer Joey was laying over the dome lid. I then noticed a little blood on the dome lid and his nose. I started calling his name and shaking him. I got no response.

I told Suzi we needed to roll him over and we did as gently as we could. I noticed he was completely limp. Still calling his name; gently shaking him; and gently slapping his face

Patriot Security EOC

Proudest *Employee Owned Company* In TEXAS!

PA JMO HKC KM SW BAR

INCIDENT REPORT

DATE: 12-18-08	TIME: ~~3:00~~ AM 2:00 PM
POST: *Ex. Beaumont Enterprise* CES	LOCATION: *Ex. 2nd Floor* YARD
SECURITY OFFICERS NAME (PRINT): LAUREL L. ATCHISON IV	POLICE DEPARTMENT: *Ex. Beaumont PD*
WITNESS:	AMBULANCE: *Ex. Priority One* STAT CARE
WITNESS:	FIRE DEPARTMENT: *Ex. Beaumont FD* PORT ARTHUR

PRINT INCIDENT DETAILS IN ALL CAPITAL LETTERS

COMPLETE INCIDENT DRAWING ON BACK

AT APPROX 2:03 I HEARD A CALL FOR HELP. PERSON CALLING FOR HELP WAS SUZI MOCA CES EMPLOYEE. ON TOP OF TRAILER TANK # 267 WITH JOEY SUTTEN CES EMPLOYEE JOEY SUTTEN WAS PASSED-OUT ON TOP OF TANK I RAN TO TANK FROM SCALE BUILDING CALLING ON RADIO FOR HELP. BRAD WOOD CES EMPLOYEE ~~HEARD~~ ANSWERED CALL FOR HELP. ARRIVING AT SITE WITH-IN A MIN. OFFICE MANAGER K. REESE CALLED 911 AT APPROX - 2:04 PM. AT APPROX. 2:20 PORT ARTHUR F/D ARRIVED. S/A JAMES ON SITE TO ASSIST. CALLED OFFICE TO REPORT PROBLEM. AT APPROX 2:24 STAT CARE AMBULANCE ARRIVED ON SITE. PORT ARTHUR F/D AND CES EMPLOYEES HELP BRING JOEY SUTTEN OFF TOP OF TANK. 2:38 STAT CARE AMBULANCE LEFT SITE WITH JOEY SUTTEN ON BOARD PLANT MANAGER KAL ANDERSON & OPERATION SUPERVISOR BRIAN WEATHERS NOTIFIED AT APPROX 2:15 AS THEY RETURNED FROM LUNCH

Security Officer's Signature: Laurel L. Atchison IV Employee # 1006

Port Arthur Fire Department Haz-Mat Sampling Tanker Unit 267 (Close-up)

See Port Arthur Fire Department Incident Report # 08-0012882 Page 3 HR-1 Supplement

Indicating Draeger Read of 1 ppm of H2S (Incident Report Attached)

A | FDID * | State * | MM | DD | YYYY Incident Date * | Station | Incident Number * | Exposure * | Delete / Change / No Activity | NFIRS -1 Basic

NH715 | TX | 12 | 18 | 2008 | 2 | 08-0012882 | 000

B Location*

☐ Check this box to Indicate that the address for this incident is provided on the Wildland Fire Module in Section B "Alternative Location Specification". Use only for Wildland fires.

Census Tract ____ - ____

☒ Street address
☐ Intersection
☐ In front of
☐ Rear of
☐ Adjacent to
☐ Directions

2420 (Number/Milepost) | S (Prefix) | Gulfway (Street or Highway) | DR (Street Type) | ____ (Suffix)

____ (Apt./Suite/Room) | PORT ARTHUR (City) | TX (State) | 77640 (Zip Code) - ____

Cross street or directions, as applicable

C Incident Type *

321 | EMS call, excluding vehicle

Incident Type

D Aid Given or Received*

1 ☐ Mutual aid received
2 ☐ Automatic aid recv.
3 ☐ Mutual aid given
4 ☐ Automatic aid given
5 ☐ Other aid given
N ☒ None

Their FDID ____ | Their State ____

Their Incident Number ____

E1 Date & Times

Midnight is 0000

Check boxes if dates are the same as Alarm Date.

	Month	Day	Year	Hr Min Sec
ALARM always required				
Alarm *	12	18	2008	14:10:33
ARRIVAL required, unless canceled or did not arrive				
☒ Arrival *	12	18	2008	14:19:20
CONTROLLED Optional, Except for wildland fires				
☐ Controlled				
LAST UNIT CLEARED, required except for wildland fires				
☒ Last Unit Cleared	12	18	2008	16:45:03

E2 Shift & Alarms

Local Option

B (Shift or Platoon) | 01 (Alarms) | 2 (District)

E3 Special Studies

Local Option

Special Study ID# ____ | Special Study Value ____

F Actions Taken*

23 | Extricate, disentangle
Primary Action Taken (1)

33 | Provide advanced life
Additional Action Taken (2)

____ | ____
Additional Action Taken (3)

G1 Resources*

☒ Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression	0002	0006
EMS	0001	
Other		

☐ Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

		None
Property	$ ____ , 000 , 000	☐
Contents	$ ____ , 000 , 000	☐

PRE-INCIDENT VALUE: Optional

Property	$ ____ , 000 , 000	☐
Contents	$ ____ , 000 , 000	☐

Completed Modules

☐ Fire-2
☐ Structure-3
☐ Civil Fire Cas.-4
☐ Fire Serv. Cas.-5
☐ EMS-6
☐ HazMat-7
☐ Wildland Fire-8
☒ Apparatus-9
☒ Personnel-10
☐ Arson-11

H1* Casualties ☐ None

	Deaths	Injuries
Fire Service		
Civilian		

H2 Detector

Required for Confined Fires.

1 ☐ Detector alerted occupants
2 ☐ Detector did not alert them
U ☐ Unknown

H3 Hazardous Materials Release

N ☐ None
1 ☐ Natural Gas: slow leak, no evauation or HazMat actions
2 ☐ Propane gas: <21 lb. tank (as in home BBQ grill)
3 ☐ Gasoline: vehicle fuel tank or portable container
4 ☐ Kerosene: fuel burning equipment or portable storage
5 ☐ Diesel fuel/fuel oil: vehicle fuel tank or portable
6 ☐ Household solvents: home/office spill, cleanup only
7 ☐ Motor oil: from engine or portable container
8 ☐ Paint: from paint cans totaling < 55 gallons
0 ☐ Other: Special HazMat actions required or spill > 55gal., Please complete the HazMat form

I Mixed Use Property

NN ☐ Not Mixed
10 ☐ Assembly use
20 ☐ Education use
33 ☐ Medical use
40 ☐ Residential use
51 ☐ Row of stores
53 ☐ Enclosed mall
58 ☐ Bus. & Residential
59 ☐ Office use
60 ☐ Industrial use
63 ☐ Military use
65 ☐ Farm use
00 ☐ Other mixed use

J Property Use* Structures

131 ☐ Church, place of worship
161 ☐ Restaurant or cafeteria
162 ☐ Bar/Tavern or nightclub
213 ☐ Elementary school or kindergarten
215 ☐ High school or junior high
241 ☐ College, adult education
311 ☐ Care facility for the aged
331 ☐ Hospital
341 ☐ Clinic,clinic type infirmary
342 ☐ Doctor/dentist office
361 ☐ Prison or jail, not juvenile
419 ☐ 1-or 2-family dwelling
429 ☐ Multi-family dwelling
439 ☐ Rooming/boarding house
449 ☐ Commercial hotel or motel
459 ☐ Residential, board and care
464 ☐ Dormitory/barracks
519 ☐ Food and beverage sales
539 ☐ Household goods,sales,repairs
579 ☐ Motor vehicle/boat sales/repair
571 ☐ Gas or service station
599 ☐ Business office
615 ☐ Electric generating plant
629 ☐ Laboratory/science lab
700 ☐ Manufacturing plant
819 ☐ Livestock/poultry storage(barn)
882 ☐ Non-residential parking garage
891 ☒ Warehouse

Outside

124 ☐ Playground or park
655 ☐ Crops or orchard
669 ☐ Forest (timberland)
807 ☐ Outdoor storage area
☐ Dump or sanitary landfill
931 ☐ Open land or field
936 ☐ Vacant lot
938 ☐ Graded/care for plot of land
946 ☐ Lake, river, stream
951 ☐ Railroad right of way
960 ☐ Other street
961 ☐ Highway/divided highway
962 ☐ Residential street/driveway
981 ☐ Construction site
984 ☐ Industrial plant yard

Lookup and enter a Property Use code only if you have NOT checked a Property Use box:

Property Use 891

Warehouse

NFIRS-1 Revision 03/11/99

EPAHO089000481

K1 Person/Entity Involved

Local Option

ECA Environmental Services (Business name (if applicable)) | 409 - 293 - 6854 (Area Code - Phone Number)

[X] Check This Box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs.	First Name	MI	Last Name	Suffix
	Joey		Sutter	

Number	Prefix	Street or Highway	Street Type	Suffix
2420	S	Gulfway	DR	

Post Office Box | Apt./Suite/Room | City: PORT ARTHUR

State: TX | Zip Code: 77640 -

[ ] More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary

K2 Owner

Local Option

[ ] Same as person involved? Then check this box and skip The rest of this section.

Business name (if Applicable) | Area Code - Phone Number

[ ] Check this box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs.	First Name	MI	Last Name	Suffix

Number	Prefix	Street or Highway	Street Type	Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code -

L Remarks

Local Option

<<Logs>> 14:11:03 00005150 : sc enrte ; 14:14:36 00005062 : PER 5014 CALL BACK ADVISED FULL ARREST/E2 EMS ADVISED ; 14:19:30 00005062 : E2 1410 1419 ; 14:19:54 00005062 : RETONE ; 14:20:17 00005062 : W2 REQUEST R1 ASSIST ; 14:21:44 00005062 : TURN AT TALON'S/ENVIRONMENTAL//RD BEFORE IC BRIDGE ST COM ON RIGHT DOWN DIRT RD ; 14:28:08 00005145 : e2-heavy set man ontop of the tanker ; 14:30:06 00005145 : bringing him down now ; 14:33:23 00005145 : hr1 has a firefighter riding with ems to hospital enroute to pick him up '/st mary ; 14:45:56 00005145 : e2 to st marys to give information ; 14:56:51 00005145 : at st mary ; 15:03:45 00005145 : told unit 3 to call the chief the hospital is treating this as a hazmat incident ; 15:19:40 00005145 : e2 leaving st mary going back to scene ; 15:31:04 00005145 : hr1 toned out of service ; 15:32:18 00005145 : e2 back on the csene ; 16:04:51 00005145 : msds is non toxic ; 16:07:20 00005145 : e2 back in service going to station ; 16:14:27 00005145 : ernout to st mary hospital ; 16:23:31 00005145 : at st mary again ; 16:45:03 00005145 : Incident Closed ;

On 12/18/2008 at 14:10:33 dispatched To 2420 S Gulfway DR /PORT ARTHUR, TX 77640. The location is a Warehouse. The incident was determined to be a(n) EMS call, excluding vehicle accident with injury.

14:19:20 arrived on scene.
The following actions were performed on scene:
Extricate, disentangle
Provide advanced life support (ALS)

Units responding were:
Unit E2 responded.

L Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month	Day	Year
29450	PEAKE, THOMAS W	CA		12	18	2008

Check Box as Officer in Charge.

[X] Member making report ID	Signature	Position or rank	Assignment	Month	Day	Year
29450	PEAKE, THOMAS W	CA		12	18	2008

FDID *	State *	MM Incident Date *	DD Incident Date *	YYYY Incident Date *	Station	Incident Number *	Exposure *	Complete Narrative
NH715	TX	12	18	2008	2	08-0012882	000	

Narrative:

<<Logs>> 14:11:03 00005150 : sc enrte ; 14:14:36 00005062 : PER 5014 CALL BACK ADVISED FULL REST/E2 EMS ADVISED ; 14:19:30 00005062 : E2 1410 1419 ; 14:19:54 00005062 : RETONE ; 14:20:17 00005062 : W2 REQUEST R1 ASSIST ; 14:21:44 00005062 : TURN AT TALON'S/ENVIRONMENTAL//RD BEFORE IC BRIDGE ST COM ON RIGHT DOWN DIRT RD ; 14:28:08 00005145 : e2-heavy set man ontop of the tanker ; 14:30:06 00005145 : bringing him down now ; 14:33:23 00005145 : hr1 has a firefighter riding with ems to hospital enroute to pick him up ////st mary ; 14:45:56 00005145 : e2 to st marys to give information ; 14:56:51 00005145 : e2 at st mary ; 15:03:45 00005145 : told unit 3 to call the chief the hospital is treating this as a hazmat incident ; 15:19:40 00005145 : e2 leaving st mary going back to scene ; 15:31:04 00005145 : hr1 toned out of service ; 15:32:18 00005145 : e2 back on the csene ; 16:04:51 00005145 : msds is non toxic ; 16:07:20 00005145 : e2 back in service going to station ; 16:14:27 00005145 : ernout to st mary hospital ; 16:23:31 00005145 : at st mary again ; 16:45:03 00005145 : Incident Closed ;

On 12/18/2008 at 14:10:33 dispatched To 2420 S Gulfway DR /PORT ARTHUR, TX 77640. The location is a Warehouse. The incident was determined to be a(n) EMS call, excluding vehicle accident with injury.

14:19:20 arrived on scene.
The following actions were performed on scene:
Extricate, disentangle
Provide advanced life support (ALS)

Units responding were:
t E2 responded.
Unit HR1 responded.
Unit SC63 responded.

16:45:03 all units back in service.

Dispatched to difficulty breathing. While enroute the call was upgraded to a full arrest. AOSTF patient on top of a tanker. Company emloyees had begun cpr. Fire engineer Barideaux and fire fighter Delacerda climbed on top of tanker and took over cpr. Captain Peake directed resources needed for the retrieval of patient from atop the tanker. Company employee made mention that the patient may have been exposed to toxic fumes. FD backboarded the patient and lowered the patient to the ground and onto waiting Stat Care ems stretcher. Fire fighter Thibedeaux rode with patient to SMH to assist ems.
HR1 went to SMH while E2 gathered patient info. E2 went to SMH and found hospital doing a hazmat wash on patient. E2 returned to scene to take drager readings from top of tanker. Drager read 1 ppm of H2S. Obtained msds sheet on tanker contents. Msds showed chemical to be sulfurized isobutylene. Toxicological Data showed all areas to be: Practically non-toxic. E2 returned to SMH msds sheet for distribution to the hospital and JP. E2 returned to service.

HR-1 Supplement:

HR-1 responded to assist. FF Thibodeaux rode in with EMS to St. Mary. Upon arrival the EMS s f complained of a strong odor from the pt. and his clothing. Hospital staff removed clothing and placed into a biohazard bag. FD placed a meter in the bag. The meter detected no lel, no H2S, no CO, and indicated an O2 % of 20.9. The deceased was placed in a secure room ouitside of the ER. FF Thibodeaux was provided with scrubs from the hospital and was

FDID *	State *	MM Incident Date *	DD Incident Date *	YYYY Incident Date *	Station	Incident Number *	Exposure *	
NH715	TX	12	18	2008	2	08-0012882	000	Complete Narrative

Narrative:

able to remove her clothing and shower. Capt. Achord and FE Richard donned class B suits and rpacks and assisted in placing the deceased into two body bags for transfer to the morgue. Both the class B suits and the pt.'s clothing went with the decedant to the morgue.

A. FDID * NH715 | State * TX | Incident Date (MM DD YYYY) * 12 18 2008 | Station 2 | Incident Number * 08-0012882 | Exposure * 000 | Delete ☐ | Change ☐ | NFIRS - 10 Personnel

B Apparatus or Resource * (codes listed below)	Date and Times (Check if same as alarm date) Month Day Year Hours/mins	Sent [X]	Number of People *	Use (Check ONE box for each apparatus to indicate its main use at the incident.)	Actions Taken (List up to 4 actions for each apparatus and each personnel.)
1 ID E2 Type 11	Dispatch [X] 12 18 2008 14:10 Arrival [X] 12 18 2008 14:19 Clear [X] 12 18 2008 16:45	Sent [X]	3	[X] Suppression [ ] EMS [ ] Other	

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
29450	PEAKE, THOMAS	CA	X				
49817	DELACERDA, TRAVIS	FF	X				
70785	BARIDEAUX, THADDEUS	FF	X				

2 ID HR1 Type 70	Dispatch [X] 12 18 2008 14:10 Arrival [X] 12 18 2008 14:30 Clear [X] 12 18 2008 16:45	Sent [X]	3	[X] Suppression [ ] EMS [ ] Other	

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken
2 0	ACHORD, JON	CA	X				
30005	RICHARD, BRANDAN	FE	X				
30725	THIBODEAUX, ANGELL	FF	X				

3 ID SC63 Type 76	Dispatch [X] 12 18 2008 14:10 Arrival [X] 12 18 2008 14:22 Clear [X] 12 18 2008 16:45	Sent [X]	0	[ ] Suppression [X] EMS [ ] Other	

Personnel ID	Name	Rank or Grade	Attend [X]	Action Taken	Action Taken	Action Taken	Action Taken

11

Legal Medicine

Case Report

Stating Toxicological Findings of H_2S Poisoning Vary from Case to Case

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Legal Medicine 10 (2008) 148–152

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Case Report

Two fatalities by hydrogen sulfide poisoning: Variation of pathological and toxicological findings

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Abstract

We report the simultaneous deaths of two individuals by inhalation of hydrogen sulfide (H_2S), produced either by the putrefaction of a large quantity of sweet corn or by heavy oil that flowed out of the fuel tank of a large stranded cargo vessel. Ten workers went into a water ballast tank of the vessel to remove remaining heavy oil and suddenly felt unwell. Two of the ten workers (patient A, a male in his early thirties, and patient B, a male in his early sixties) died. Autopsies of the two patients revealed a partial green discoloration of the skin and pulmonary edema. Toxicological analysis revealed high levels of thiosulfate in the blood (0.089 mmol/L in patient A and 0.142 mmol/L in patient B). From these findings, we concluded that the cause of death in both patients was H_2S poisoning. In addition, the autopsy of patient A revealed petechiae of the palpebral conjunctiva and the mucous membrane of the mouth and erosion of the respiratory tract. The autopsy of patient B failed to reveal these observations. We presumed that patient B may have been exposed to higher H_2S levels, and that the circulation and respiration of patient B may have arrested faster than patient A. Thiosulfate levels in the blood may reflect the levels of H_2S exposure. This case suggests that the pathological and toxicological findings of H_2S poisoning vary from case to case.
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Keywords: Hydrogen sulfide poisoning; Thiosulfate; Pulmonary edema; Autopsy

1. Introduction

Hydrogen sulfide (H_2S) is a colorless irritant gas that is inflammable and water-soluble. H_2S has a specific gravity of 1.19 (air = 1.00) and the characteristic odor of rotten eggs [1]. H_2S is poisonous, and accidents may occur on exposure to natural gas, volcanic gas, and industrial waste. Accidents have been reported in sewage disposal facilities [2–5] and chemical processing plants [6–8], and with the ingestion of sulfur products [9,10]. H_2S is also produced naturally by the putrefaction of organic compounds. The gas produced by this process is unstable and is rapidly metabolized as thiosulfate and sulfate by hepatic oxidation, therefore, quantifying the original substances is difficult [11,12]. Fatalities by H_2S poisoning are encountered frequently in the forensic practices. There is a large amount of sulfate in the blood and urine of healthy people, whereas the thiosulfate content is very low [11,13]. In addition, thiosulfate is a major metabolite of H_2S [11]. For these reasons, thiosulfate has been reported to be a useful indicator for H_2S exposure [2–4,11,14–17]. Here, we report a case of two patients who died almost simultaneously due to H_2S poisoning. In this case, the pathological and toxicological findings were different between the two patients. We compare the findings and discuss the variable biomechanisms of H_2S poisoning.

2. Case report

A large-sized cargo vessel, approximately 36,000 tons, which was in transit with a large quantity of sweet corn, was destroyed by breaking in two due to stranding in a gulf under a heavy typhoon. The stranded cargo vessel was covered widely with a large amount of heavy oil that issued from

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the fuel tank. Accordingly, an operation was performed to eliminate the heavy oil inside and around the cargo vessel. At approximately one month after the accident, ten workers, including our two patients entered a water ballast tank to recover the remaining heavy oil. At 11:15 a.m., all of the workers suddenly felt unwell. Eight workers escaped by themselves from the tank with clouded consciousness. At 11:58 a.m., rescue personnel equipped with gas masks found collapsed patient A (male in his early thirties) sitting on a sloped floor and leaning on a wall. At 11:59 a.m., they found collapsed patient B (male in his early sixties) lying prone on a sloped floor. His head was located on the upper side of the sloped floor. Although a small amount of black sludge had collected on the bottom of the sloped floor, the nose and mouth of both patients were not submerged in the sludge. Rescue personnel retrieved patient A from the tank at 0:04 p.m. and patient B at 0:16 p.m. The patients arrived at a hospital at 0:59 p.m. in a state of cardiopulmonary arrest. They were pronounced dead at 1:03 p.m. (patient A) and 1:04 p.m. (patient B), respectively. After using an electric fan to remove the harmful gas from the tank and about 4 h after the accident, the air concentration of H_2S, oxygen (O_2), and carbon monoxide (CO) at the scene were estimated to be 30 ppm, 20.8% and 355 ppm, respectively. Autopsies on patient A and B were performed at 20 and 24 h after death, respectively.

3. Autopsy findings

3.1. Patient A

Patient A was a male in his early thirties. He was 169 cm in height and 68 kg in weight. A slight greenish discoloration presented on his anterior cervical region and precordia. A few black subcutaneous bleedings were observed on regions of back and upper and lower limbs. The palpebral conjunctiva and the mucous membrane of the mouth revealed marked hyperemia and a few petechiae. The ocular conjunctiva revealed marked hyperemia, but was free of petechiae. The heart weighed 330 g, and a large amount of black dark-red fluid blood was retained in the heart. The left and right lungs weighed 830 and 925 g, respectively, with marked swelling and congestion. There was a little dark brown-red mucous fluid mixed with the micro foam in the trachea and bronchia. The mucous membrane of the glottis, trachea and bronchia revealed extensive erosion and submucosal hemorrhage (Fig. 1A). Extensive erosion and submucous hemorrhages were seen in the entire inner membrane of the esophagus. Erosion was found in the posterior wall of the fundus ventriculi and the cardia of the lesser curvature of the stomach. The lumen of the small intestine revealed congestion and localized erosion. The liver and the spleen weighed 1800 and 120 g, respectively, and both organs revealed no remarkable changes except for congestion. The brain weighed 1480 g, and slight cerebral edema was noted. There were no remarkable findings in other organs except for congestion.

Histological examination revealed marked congestion and edema in both lungs. Marked congestion, erosion and submucosal hemorrhage, as well as edema of the tunica propria and tela submucosa were observed in the epiglottis, glottis vocalis (Fig. 2A), trachea and bronchia. Similar findings were observed in the esophagus and stomach. Severe necroses were noted in the tracheal and bronchial glands. No remarkable changes, except for congestion, were found in other organs including the liver.

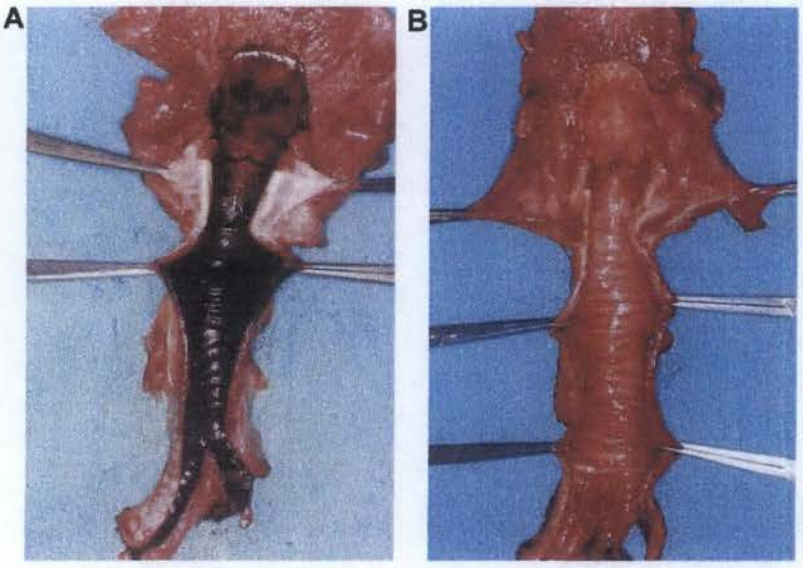

Fig. 1. The trachea of patient A (A) and B (B). The mucous of patient A reveals extensive erosion and the submucous bleeding, whereas the mucous of patient B reveals hyperemia, but is free of erosion.

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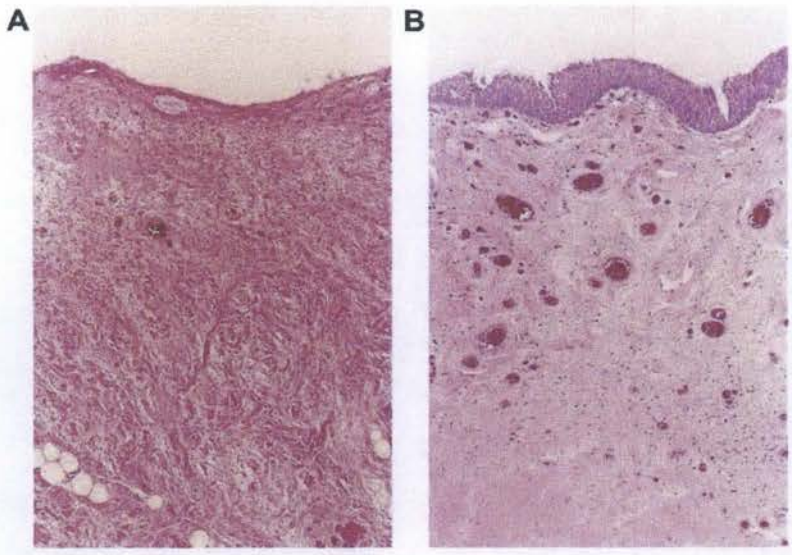

Fig. 2. Histopathological examinations of the glottis vocalis of patients A (A) and B (B). Hematoxylin–eosin stain. Original magnification 25×. The glottis vocalis of patient A reveals erosion and submucosal hemorrhage, whereas that of patient B reveals no erosion or submucosal hemorrhage.

3.2. Patient B

Patient B was a male in his early sixties. He was 170.5 cm in height and 57 kg in weight. A slight greenish discoloration presented on his anterior and posterior cervical, precordia and scapular regions. A few black subcutaneous bleedings were observed on regions of back, upper and lower limbs. The palpebral and ocular conjunctiva, as well as the mucous membrane of the mouth revealed slight hyperemia, but were free of petechiae. The heart weighed 340 g, and a large amount of dark-red fluid blood was retained in the heart. The lungs weighed 720 g each, and showed marked swelling and congestion. There was a little dark greenish brown mucous fluid mixed with the micro and rough foam in the trachea and bronchia. The mucous membrane of the glottis, trachea and bronchia revealed hyperemia, but were free of erosion (Fig. 1B). Erosion was not observed in the inner membrane of the esophagus. The stomach revealed local erosion in the fundus. The lumen of the small intestine revealed congestion and localized erosion. The liver weighed 1280 g, and was cirrhotic. The spleen weighed 320 g, and was enlarged. The brain weighed 1480 g, and slight cerebral edema was noted. There were no remarkable changes in other organs except for congestion.

Histological examination revealed marked congestion and edema in both lungs. Marked congestion and slight edema of the tunica propria and tela submucosa were observed in the epiglottis, glottis vocalis (Fig. 2B), trachea and bronchus, but almost no erosion was seen. Localized erosion was observed in the esophagus and stomach. Necrosis was not found in the tracheal and bronchial glands. The liver revealed moderate fibrosis, regenerated nodules, and infiltration of lymphocytes. There were no remarkable findings in other organs except for congestion.

4. Toxicological analysis

Drug screening of urine samples from both patients at autopsy using Triage® (Biosite Diagnostics, San Diego, CA, USA) failed to reveal any positive findings. Ethanol was not detected in blood or urine samples from either patient. CO hemoglobin saturation levels were estimated to be 11.1% (patient A) and 7.8% (patient B), respectively, by spectrophotometer.

4.1. Thiosulfate analysis

Thiosulfate in the heart blood was quantified by a previously described procedure using gas chromatography–mass spectrometry (GC/MS) by SIM mode [16]. The derivatization of thiosulfate was performed with pentafluorobenzyl bromide: to 0.2 ml heart blood was added the mixture of 0.05 ml of 0.2 M L-ascorbic acid solution, 0.05 ml of 5% sodium chloride and 0.5 ml of 0.02 M pentafluorobenzyl bromide in acetone in a 10-ml centrifuge tube. The mixture was vortexed for a minute, and 2 ml of 0.025 M iodine in ethyl acetate and 0.5 ml of IS solution (0.04 mM 1,3,5-tribromobenzene in ethyl acetate) were added to the mixture. The preparation was then vortexed for 30 s and centrifuged at 2500 rpm for 10 min. The mixture was allowed to stand for an hour. An aliquot of the organic layer was injected onto a GC/MS apparatus. The standard curve was obtained by plotting the peak area ratio of the derivative (m/z 426) of thiosulfate to the IS (m/z 314) versus the amount of thiosulfate.

A DB-5ms (J&W Scientific, 30 m × 0.25 mm I.D. and 0.25 μm film thickness) was used for separation and GC/MS analyses were performed on a Shimadzu QP 5050A (Kyoto, Japan) instrument that was operated in the positive electron impact mode. The column temperature was

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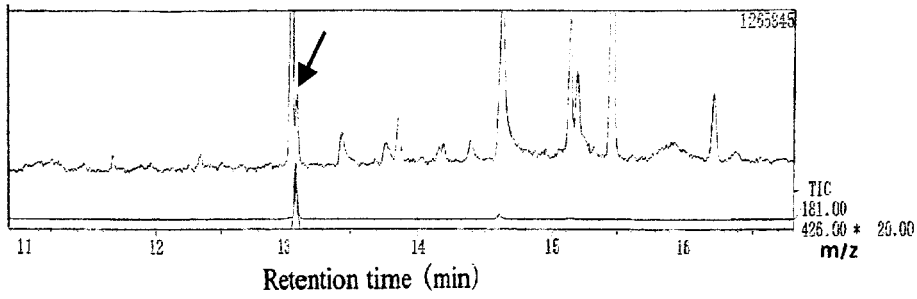

Fig. 3. Total ion and selected ion chromatograms of the thiosulfate derivative (arrow) obtained from the heart blood extracts in patient B.

Table 1
Summary of findings of patients A and B

Tissue	Finding	Patient A	Patient B
Palpebral conjunctiva	Petechiae	+	–
	Hyperemia	+ +	+
Mucous membrane of the mouth	Petechiae	+	–
	Hyperemia	+ +	+
Epiglottis	Erosion	+ +	–
Glottis vocalis	Erosion	+ +	–
Trachea	Erosion	+ +	–
Bronchia	Erosion	+ +	–
Esophagus	Erosion	+ +	–
Heart blood	Concentration of thiosulfate (mmol/L)	0.089	0.142

–, none; +, a few or slight; ++, marked.

maintained at 100 °C for 2 min, and programmed to increase to 220 °C at 10 °C/min. The final temperature was maintained for 16 min. The temperature of the injection port and the interface was 250 and 280 °C, respectively. The electron impact ionization energy was 70 eV and the sample was injected in the splitless mode. The carrier gas was helium, adjusted to a flow rate of 1.3 ml/min. Fig. 3 shows the total ion and selected ion chromatograms of the blood extracts from patient B, which demonstrated the presence of thiosulfate. The concentration of thiosulfate in the heart blood from patients A and B was estimated to be 0.089 and 0.142 mmol/L, respectively (Table 1).

5. Results and discussion

Thiosulfate has been reported to be a useful marker for H_2S exposure [2–4,11,14–17]. The concentration of thiosulfate in the blood of patient A (0.089 mmol/L) and B (0.142 mmol/L) were similar to those reported in fatal human cases (0.025–0.143 mmol/L) [2–4,11,16,17]. These levels are at least 30–47 times higher than that in healthy persons (below 0.003 mmol/L) [18]. The greenish discoloration on the skin is known to appear in cases of H_2S poisoning [16,19]. In addition, after a 4-h exclusion of harmful gas using a fan, the H_2S concentration (30 ppm) in the air in the tank where the patients were found collapsed was still higher than the occupational exposure limits (5 ppm) recommended by the Japan Society for Occupational Health [20]. This suggests that the H_2S level in the tank was much higher when the patients collapsed. CO was also detected in the tank at 355 ppm. However, the CO levels in the patient's blood were lower (11.1% and 7.6%), suggesting that CO poisoning was not indicated. From these findings, we concluded that both patients A and B died by H_2S poisoning. Later investigation indicated that the source of H_2S production may have been a large amount of sweet corn that putrefied while the vessel was left stranded for one month, and/or sulfur-containing heavy oil that issued from the fuel tank.

Although the two patients collapsed and died almost simultaneously, the pathological and toxicological findings differed between the two patients. As shown in Table 1, hyperemia and petechiae of the palpebral conjunctiva and mucous membrane of the mouth were more apparent in patient A than patient B. In addition, extensive and severe erosion of the respiratory tract and esophagus were seen in patient A, whereas extensive erosion was not seen in patient B. By contrast, the thiosulfate levels of patient B (0.142 mmol/L) were higher than that of patient A (0.089 mmol/L), even though patient B suffered liver cirrhosis and H_2S oxidation to thiosulfate is performed in the liver [12,21].

There are two major adverse effects of H_2S, that is, local (mucous membrane) irritant effects that may cause conjunctivitis, bronchitis and pulmonary edema, and direct neurotoxic effects that may cause immediate collapse ("knock down") [1,2,5,8,19]. It has been reported that local irritation often follows prolonged inhalation of low concentration of H_2S, and rapidly fatal neurotoxic effects usually follow inhalation of higher concentration of H_2S (>700 ppm) [2].

In this case, eight out of ten workers could escape by themselves, suggesting that H_2S concentration should have varied according to the places where the workers were taking in the tank. Therefore, we presumed that patient A, who suffered severe local irritation, may have been exposed to a low concentration of H_2S for a relatively long period before fatal pulmonary edema occurred. Since patient B was exposed to a high concentration of H_2S, and rapidly fatal systemic effects occurred, the respiration and circulation of patient B may

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have arrested before petechiae of the conjunctiva or erosion of the lower respiratory tract occurred. In addition, we suggest that the thiosulfate concentration of the two patients may reflect the H_2S concentration at the scene. It has been reported that thiosulfate levels are consistent between the dose of H_2S and adverse health effects [2].

In patient B as well as patient A, pulmonary edema was observed. Pulmonary edema is a common consequence of H_2S poisoning [5,7,8,19], and occurs not only by local irritant effects due to relatively low exposure but also by asphyxial phenomenon due to massive exposure [5].

In conclusion, we report a case of two deaths by H_2S poisoning. Although the two patients died almost simultaneously, the pathological findings resulting from the local irritant effects of H_2S and the toxicological findings of thiosulfate levels in the blood were different between the two patients. The present case strongly suggests that workers should avoid inhalation of dangerous agents by monitoring the air concentrations. In addition, the pathological and toxicological findings of H_2S poisoning may vary between cases, and may reflect the H_2S dose.

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List of Sample Problems
in
H_2S Poisoning

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AMERICAN JOURNAL OF INDUSTRIAL MEDICINE 35:192–195 (1999)

Hydrogen Sulfide Poisoning: Clarification of Some Controversial Issues

Thomas H. Milby, MD,* and Randall C. Baselt, PhD[1]

Background *Hydrogen sulfide is a toxic gas about which much has been written. We discuss here several issues we believe would benefit from further clarification.*
Conclusions *We conclude that: 1) Certain neurotoxic effects of exposure are probably due to a direct toxic effect on the brain, while others are almost certainly a result of hypoxia secondary to H_2S-induced respiratory insufficiency; 2) pulmonary edema is a common consequence of poisoning and there is suggestive evidence of hyperactive airway responses in some individuals following brief H_2S-induced unconsciousness (knockdown); 3) criteria for acceptable community levels are very different than those governing occupational standards; 4) urinary thiosulfate determinations can be useful for monitoring occupational exposure; and 5) determination of sulfide ion concentrations in blood or major organs can be useful in corroborating a diagnosis of fatal H_2S toxicity, but there are many pitfalls in collecting, storing, and analyzing tissue and fluid samples.* Am. J. Ind. Med. 35:192–195, 1999. © *1999 Wiley-Liss, Inc.*

KEY WORDS: hydrogen sulfide; neurotoxic effects; pulmonary edema; urinary thiosulfate; blood sulfide.

INTRODUCTION

There have been several reviews of the toxicity of hydrogen sulfide to humans published in the last several decades [Milby, 1962; NRC, 1979; Beauchamp et al., 1984; Reiffenstein et al., 1992; EPA, 1993]. In the view of the authors, the majority of the data presented in these reviews continues to be valid, but some issues deserve further clarification. In this short communication, we consider the neurotoxic effects of acute exposure, effects on the lungs, community exposure issues, and diagnosis of poisoning utilizing urine, blood, and tissue analyses.

NEUROTOXIC EFFECTS

The above-cited reviews are generally consistent in the view that the most dramatic potential consequences of hydrogen sulfide exposure occur at high concentrations. At 750–1,000 ppm, inhalation of hydrogen sulfide causes abrupt physical collapse. If exposure is promptly terminated, many cases of collapse are followed by rapid and complete recovery. However, in some instances, presumably where exposure is more pronounced or prolonged, sudden collapse may give way to rapidly fatal respiratory paralysis [Milby, 1962; EPA, 1993; Guidotti, 1994].

Certain transitory neurotoxic effects associated with exposure to hydrogen sulfide such as dizziness, incoordination, and headache are probably due to the direct toxic effect of hydrogen sulfide on the brain: these effects appear far too quickly to be attributed to hypoxia. A phenomenon referred to as "knockdown" has been reported in oil field workers and others to describe sudden, brief loss of consciousness followed by immediate full recovery after short-lived exposure to very high concentrations of hydrogen sulfide (e.g., 750–1,000 ppm) [Guidotti, 1994; Aves, 1929; Smith and Gosselin, 1979]. Knockdown is likely a consequence of a direct toxic effect of hydrogen sulfide on the brain. This direct effect is believed to be due to the intracellular inhibition of cytochrome oxidase by sulfide ion, preventing utilization of oxygen [Nicholls, 1975].

Most victims of acute hydrogen sulfide poisoning who recover do so promptly and completely [Milby, 1962; NRC,

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1979; Aves, 1929; Glass, 1990]. In a relatively few cases, acute, nonfatal hydrogen sulfide intoxication is followed by brain damage characterized by permanent neurological sequelae. The preponderance of scientific evidence suggests that this sequence of events is a result of hypoxia secondary to respiratory insufficiency, rather than to a direct toxic effect of hydrogen sulfide on the brain [Milby, 1962; Beauchamp et al., 1984; Haggard, 1925; Reiffenstein, 1992]. Respiratory insufficiency following exposure to this gas can occur as a consequence of apnea resulting from hydrogen sulfide-induced paralysis of the respiratory centers of the brain, or can be the result of less specific forms of interference with air flow or oxygen exchange such as airway obstruction or pulmonary edema.

EFFECTS ON THE LUNG

Pulmonary Edema

It is widely agreed that either acute or prolonged exposure to hydrogen sulfide gas can cause pulmonary edema [NRC, 1979; Beauchamp et al., 1984; Reiffenstein et al., 1992; Guidotti, 1994]. The gas is a mucous membrane irritant, although not nearly so potent an irritant as chlorine, ammonia, or sulfur dioxide. However, unlike these three highly water-soluble gases, the only moderately water-soluble hydrogen sulfide is capable of penetrating deep into the lung, where it exerts its irritant effect on the tissues that make up the terminal bronchial membranes [Haggard, 1925].

Prolonged exposure to hydrogen sulfide at concentrations in excess of 250 ppm can lead to the development of pulmonary edema [Beauchamp et al., 1984]. However, persons who are exposed to air levels that cause immediate collapse (750–1,000 ppm) appear to be at even greater risk for developing pulmonary edema, although the pulmonary symptoms may be masked by the more dramatic neurotoxic symptoms of collapse [Beauchamp et al., 1984]. In three case series reporting a total of 523 cases of acute hydrogen sulfide poisoning, pulmonary edema was diagnosed in 4–16% of the affected individuals [Kleinfeld et al., 1964; Burnett et al., 1977; Arnold et al., 1985].

Other Pulmonary Effects

Jappinen et al. [1990] assessed the possible effects of low concentrations of hydrogen sulfide on respiratory function in two cohorts, one consisting of 26 pulp mill workers with daily exposure to hydrogen sulfide in the workplace, and another made up of 10 volunteers who had asthma. The respiratory function of the pulp mill workers was monitored by measuring forced vital capacity (FVC), forced expiratory volume in 1 second (FEV_1), and bronchial responsiveness to histamine at the end of a work day, and again after at least 1 day off work. The 10 asthmatics were exposed to 2 ppm hydrogen sulfide for 30 minutes in an exposure chamber and airway resistance and specific airway conductance were assessed and ventilatory capacities were measured. No significant changes in respiratory function or bronchial responsiveness were found in either cohort, although in two asthmatic subjects changes were greater than 30% in both indicators of airway resistance. The authors concluded that short-term exposure to hydrogen sulfide at levels appreciably higher than those present in ambient air do not cause noticeable effects on respiratory function.

Bhambhani et al. [1996] exposed 19 healthy men and women to 10 ppm hydrogen sulfide for 15 minutes during exercise and found no significant changes in pulmonary function as measured by flow-volume loop, maximum ventilatory volume, and carbon monoxide diffusion capacity. The authors concluded that short-term inhalation of 10 ppm hydrogen sulfide at an elevated metabolic and ventilatory rate does not significantly alter pulmonary function in healthy men and women.

Hessel et al. [1997] assessed the pulmonary health of 175 oil and natural gas extraction and processing workers potentially exposed to hydrogen sulfide gas. The authors conducted spirometric testing and administered a respiratory symptom questionnaire. Bronchial challenge testing was not reported. Approximately one-third of the workers reported exposure to hydrogen sulfide sufficiently intense to cause symptoms and 8% experienced sudden, fleeting unconsciousness (knockdown). Spirometric testing showed no differences between the groups experiencing symptoms of knockdown and other workers. Workers who experienced knockdown reported a significant excess of certain symptoms, including shortness of breath on exertion, wheezes with chest tightness, and attacks of wheezes. The authors concluded that workers who had experienced hydrogen sulfide-related knockdown had statistically significant excesses of several respiratory symptoms consistent with airway hyperreactivity.

There are a number of reports of injuries, often fatal, among workers and others as a consequence of exposure to gases emanating from organic waste sources in which the presence of hydrogen sulfide can reasonably be expected. These sources include toilets [Parra et al., 1991], sewers [Richardson, 1995; Watt et al., 1997], and liquid manure pits [Osbern and Crapo, 1981; Donham et al., 1982]. Some of these reports describe exposure-related pulmonary injuries that investigators attribute to hydrogen sulfide toxicity. Unfortunately, the absence of air testing data and the presence of confounding factors such as other toxic gases and infectious agents make it difficult to unequivocally ascribe these pulmonary injuries to hydrogen sulfide, although in many cases the data are suggestive.

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COMMUNITY EXPOSURE

It is helpful to consider issues of community exposure to hydrogen sulfide in terms of occupational standards for this gas. The acceptable ceiling concentration of hydrogen sulfide permitted in workplace air in the United States is 20 ppm, a level established by the US Occupational Safety and Health Administration (OSHA) [DOL, 1996]. These OSHA regulations do not list an 8-hour time-weighted average (TWA) for hydrogen sulfide, but a TWA of 10 ppm was recommended by the American Conference of Governmental Industrial Hygienists (ACGIH) in 1976 and this recommendation has remained unchanged to the present [ACGIH, 1997]. The ACGIH defines TWA as "the time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, to which it is believed that nearly all workers may be repeatedly exposed, day after day, without adverse effect." The justification for this TWA is based on a determination that persons exposed to 10 ppm of hydrogen sulfide will not suffer eye irritation, the most commonly reported adverse physical effect of exposure to hydrogen sulfide at air levels of 50–100 ppm [NRC, 1979].

At air concentrations approaching 0.250–0.300 ppm, the odor of hydrogen sulfide, especially if frequent or persistent, can create a nuisance problem in communities unfortunate enough to be located near a source of this gas. Headache, nausea, and sleep disturbances are quality-of-life issues documented to arise from such exposures [PHS, 1964; Haahtela et al., 1992].

Acceptable air levels for hydrogen sulfide in the workplace environment and acceptable levels for this malodorous gas in the general community air are based on very different considerations. Persons in the workplace are assumed to be in reasonably good health and they generally remain in the workplace environment for only 8 hours a day, 40 hours a week. Community residents comprise all ages and all states of health and may be physically present in the community for most or all of any 24-hour period. They also tend to have a reasonable expectation that their community air will be generally free of noxious substances that create health or nuisance problems. Accordingly, while levels of hydrogen sulfide as high as 10 ppm appear to be acceptable for workplace exposure, community air levels as low as 0.250–0.300 ppm can create an unacceptable nuisance condition. To date, however, neither long-term health effects nor actual physical injury have been convincingly described in persons exposed to hydrogen sulfide at these low levels, although exposure to 0.6 ppm for nearly 1 year is reported to have caused reversible basal ganglia abnormalities in a 1.5-year-old infant, who manifested ataxia and dystonia [Gaitonde et al., 1987].

UTILITY OF LABORATORY TESTING

Biological Monitoring for Chronic Industrial Exposure

The only practical test to monitor the extent of exposure in workers at risk for hydrogen sulfide toxicity, other than fixed or portable air monitoring instruments, is the measurement of urinary thiosulfate. The formation of thiosulfate is the primary detoxification pathway for sulfide in man and is believed to be catalyzed by both hemoglobin and hepatic enzymes [Evans, 1967].

Urinary thiosulfate determinations are not routinely performed in industry, due to the paucity of studies correlating air concentrations with urinary excretion data, as well as the potential complications in interpretation of such data. In one study, 29 unexposed healthy men had urinary thiosulfate values of 0.4–5.4 umol/mmol creatinine, whereas a volunteer exposed to 18 ppm hydrogen sulfide for 30 minutes exhibited urinary thiosulfate concentrations that increased linearly postexposure to a peak of 30 umol/mmol creatinine at 15 hours, before declining to a normal value by 17 hours [Kangas and Savolainen, 1987]. Ingestion of food or water high in sulfur content can dramatically increase urinary thiosulfate concentration, confounding interpretation of excretion data for biological monitoring purposes [Kangas and Savolainen, 1987; Voroteliak et al., 1993; Ellenhorn, 1997].

Diagnosis of Acute Poisoning

Measurement of blood sulfide in acute emergencies is of little clinical value, since this test is rarely available on a STAT basis in clinical laboratories. The delay in obtaining a result from a reference laboratory precludes incorporating blood levels into the diagnostic process. Of more immediate usefulness is a history of possible hydrogen sulfide exposure, as well as the detection of the odor of hydrogen sulfide on the patients clothing or breath. Ancillary tests include chest X-ray to detect pulmonary edema, arterial blood gas determination to rule out carboxyhemoglobinemia or methemoglobinemia, and a CT scan to reveal brain lesions [Ellenhorn, 1997].

Medicological Investigation of Death

The indicia of fatal acute hydrogen sulfide poisoning are fairly well known, but they are not found in every case and their absence by no means precludes establishment of the cause of death as hydrogen sulfide intoxication. These signs include a history of immediate collapse and respiratory paralysis, a disagreeable odor at the accident scene or about the victim, and autopsy findings of pulmonary edema and greenish discoloration of viscera [Simson and Simpson, 1971].

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The presence of sulfide ion in blood or major organs at toxic concentrations (usually in excess of 1.0 mg/L or mg/kg) is considered useful corroboration of a diagnosis of sulfide-induced death. Here again, however, there are situations that may result in the artifactual absence or presence of sulfide in biological specimens, obfuscating interpretation of laboratory values. For instance, hydrogen sulfide rapidly disappears from blood during life [Evans, 1967], and it has been shown to either increase or decrease during in vitro storage, depending on the nature of the specimen, storage temperature, and initial sulfide concentration [Nagata et al., 1990]. Sulfide concentrations in blood and tissues such as liver and kidney may increase dramatically due to biodegradation during room-temperature or refrigerated storage.

Refrigeration of bodies during the interval from death to autopsy, frozen storage of specimens in airtight containers until analysis, and the demonstration of potentially lethal levels of sulfide (1–5 mg/L or mg/kg) in blood, lung, and skeletal muscle will provide the best corroboration of a ruling of death due to acute hydrogen sulfide intoxication [Nagata et al., 1990].

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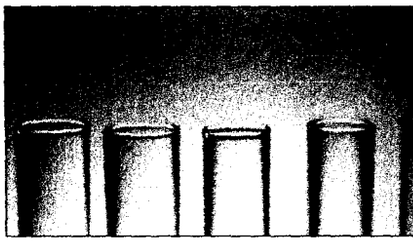

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Specimen Requirements	3 mL Serum or Plasma
Transport Temperature	Refrigerated
Specimen Container	Lavender top tube (EDTA)
Special Handling	Promptly centrifuge and separate Serum or Plasma into a plastic screw capped vial using approved guidelines.
Light Protection	Not Required
Stability	Room Temperature: 3 day(s) Refrigerated: 9 day(s) Frozen (-20 °C): 1 month(s)
Rejection Criteria	Received Room Temperature. Polymer gel separation tube (SST or PST).
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GENERAL H2S INFO

Hydrogen sulfide

From Wikipedia, the free encyclopedia

Hydrogen sulfide (or **hydrogen sulphide**) is the chemical compound with the formula H_2S. This colorless, toxic and flammable gas is partially responsible for the foul odor of rotten eggs and flatulence.

It often results from the bacterial break down of sulfites in nonorganic matter in the absence of oxygen, such as in swamps and sewers (anaerobic digestion). It also occurs in volcanic gases, natural gas and some well waters. The odor of H_2S is commonly misattributed to elemental sulfur, which is in fact odorless. Hydrogen sulfide has numerous names, some of which are archaic (see table).

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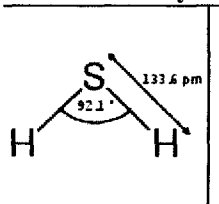
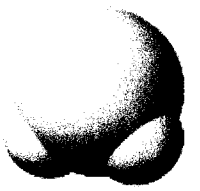
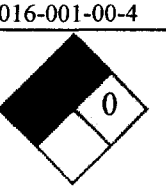
Hydrogen sulfide	
	
IUPAC name	[show]
Other names	Sulfuretted hydrogen; sulfane; Hydrogen Sulfide; sulfur hydride; sour gas; sulfurated hydrogen; hydrosulfuric acid; sewer gas; stink damp; rotten egg gas; brimstone
Identifiers	
CAS number	[7783-06-4]
EC number	231-977-3
UN number	1053
RTECS number	MX1225000
ChemSpider ID	391
Properties	
Molecular formula	H_2S
Molar mass	34.082 g/mol
Appearance	Colorless gas.
Density	1.363 g/L, gas.
Melting point	-82.30 °C (190.85 K)
Boiling point	-60.28 °C (212.87 K)
Solubility in water	0.25 g/100 mL (40 °C)
Acidity (pK_a)	6.89 19±2 (*see text*)
Structure	
Molecular shape	Bent
Dipole moment	0.97 D
Hazards	
EU classification	Highly Flammable (**F+**) Very Toxic (**T+**) Dangerous for the environment (**N**)
EU Index	016-001-00-4
NFPA 704	
R-phrases	R12, R26, R50
S-phrases	(S1/2), S9, S16, S36, S38,

Production

Hydrogen sulfide is obtained by its separation from sour gas, that is natural gas with high content of H_2S. It can be produced by reacting hydrogen gas with molten elemental sulfur at about 450 °C. Hydrocarbons can replace hydrogen in this process.[1]

Sulfate-reducing bacteria produce hydrogen sulfide under ambient conditions by the reduction of sulfate or from elemental sulfur.

The standard lab preparation is to gently heat iron sulfide (FeS) with a strong acid in a Kipp generator.

A less well known and more convenient alternative is to react aluminum sulfide with water:

$$H_2O + Al_2S_3 \rightarrow H_2S + Al_2O_3.$$

Occurrence

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Small amounts of hydrogen sulfide occur in crude petroleum but natural gas can contain up to 90%. Volcanoes and hot springs emit some H_2S, where it probably arises via the hydrolysis of sulfide minerals, i.e. $MS + H_2O \rightarrow MO + H_2S$. Normal concentration in clean air is about 0.0001-0.0002 ppm.

About 10% of total global emissions of H_2S are due to human activity. By far the largest industrial route to H_2S occurs in petroleum refineries: the hydrodesulfurization process liberates sulfur from petroleum by the action of hydrogen. The resulting H_2S is converted to elemental sulfur by partial combustion via the Claus process, which is a major source of elemental sulfur. Other anthropogenic sources of hydrogen sulfide include coke ovens, paper mills (using the sulfate method), and tanneries. H_2S arises from virtually anywhere where elemental sulfur comes into contact with organic material, especially at high temperatures.

Hydrogen sulfide can be present naturally in well water. In such cases, ozone is often used for its removal. An alternative method uses a filter with manganese dioxide. Both methods oxidize sulfides to less toxic sulfates.

	S45, S61
Flash point	flammable gas
Autoignition temperature	260 °C
Explosive limits	4.3–46%
Related compounds	
Related hydrogen chalcogenides	Water Hydrogen selenide Hydrogen telluride Hydrogen disulfide
Related compounds	Phosphine

Except where noted otherwise, data are given for materials in their standard state (at 25 °C, 100 kPa)
Infobox references

A buildup of hydrogen sulfide in the atmosphere could have caused the Permian-Triassic extinction event 252 million years ago.[2]

Uses

Production of thioorganic compounds

Several organosulfur compounds are produced using hydrogen sulfide. These include methanethiol, ethanethiol, and thioglycolic acid.

Alkali metal sulfides

Upon combining with alkali metal bases, hydrogen sulfide converts to alkali hydrosulfides such as sodium hydrosulfide and sodium sulfide, which are used in the degradation of biopolymers. The depilation of hides and the delignification of pulp by the Kraft process both are effected by alkali sulfides.

In analytical chemistry

Hydrogen sulfide used to have importance in analytical chemistry for well over a century, in the qualitative inorganic analysis of metal ions. For such small-scale laboratory use, H_2S was made as needed in a Kipp generator by reaction of sulfuric acid (H_2SO_4) with ferrous sulfide FeS. Kipp generators were superseded by the use of thioacetamide, an organic solid that converts in water to H_2S. In these analyses, heavy metal (and nonmetal) ions (e.g. Pb(II), Cu(II), Hg(II), As(III)) are precipitated from solution upon exposure to H_2S. The components of the resulting precipitate redissolve with some selectivity.

A precursor to metal sulfides

As indicated above, many metal ions react with hydrogen sulfide to give the corresponding metal sulfides. This conversion is widely exploited. In the purification of metal ores by flotation, mineral powders are often treated with hydrogen sulfide to enhance the separation. Metal parts are sometimes passivated with hydrogen sulfide. Catalysts used in hydrodesulfurization are routinely activated with hydrogen sulfide, and the behavior of metallic catalysts used in other parts of a refinery is also modified using hydrogen sulfide.

Miscellaneous applications

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Hydrogen sulfide is also used in the separation of deuterium oxide, i.e. heavy water, from normal water via the Girdler Sulfide process.

Safety

Hydrogen sulfide is a highly toxic and flammable gas. Being heavier than air, it tends to accumulate at the bottom of poorly ventilated spaces. Although very pungent at first, it quickly deadens the sense of smell, so potential victims may be unaware of its presence until it is too late. For safe handling procedures, a hydrogen sulfide material safety data sheet (MSDS) should be consulted.[3]

Toxicity

Hydrogen sulfide is considered a broad-spectrum poison, meaning that it can poison several different systems in the body, although the nervous system is most affected. The toxicity of H_2S is comparable with that of hydrogen cyanide. It forms a complex bond with iron in the mitochondrial cytochrome enzymes, thereby blocking oxygen from binding and stopping cellular respiration. Since hydrogen sulfide occurs naturally in the environment and the gut, enzymes exist in the body capable of detoxifying it by oxidation to (harmless) sulfate.[4] Hence, low levels of sulfide may be tolerated indefinitely.

At some threshold level, the oxidative enzymes will be overwhelmed. This threshold level is believed to average around 300-350 ppm. Many personal safety gas detectors, such as those used by utility, sewage and petrochemical workers, are set to alarm at as low as 5 to 10 ppm and to go into high alarm at 15 ppm.

An interesting diagnostic clue of extreme poisoning by H_2S is the discoloration of copper coins in the pockets of the victim. Treatment involves immediate inhalation of amyl nitrite, injections of sodium nitrite, inhalation of pure oxygen, administration of bronchodilators to overcome eventual bronchospasm, and in some cases hyperbaric oxygen therapy (HBO). HBO therapy has anecdotal support and remains controversial.[5][6][7]

Exposure to lower concentrations can result in eye irritation, a sore throat and cough, nausea, shortness of breath, and fluid in the lungs. These symptoms usually go away in a few weeks. Long-term, low-level exposure may result in fatigue, loss of appetite, headaches, irritability, poor memory, and dizziness. Chronic exposures to low level H_2S (around 2 ppm) has been implicated in increased miscarriage and reproductive health issues amongst Russian and Finnish wood pulp workers, but the reports hadn't (as of circa 1995) been replicated. Higher concentrations of 700-800 ppm tend to be fatal.

- 0.0047 ppm is the recognition threshold, the concentration at which 50% of humans can detect the characteristic odor of hydrogen sulfide [1], normally described as resembling "a rotten egg".
- Less than 10 ppm has an exposue limit of 8 hours per day.
- 10-20 ppm is the borderline concentration for eye irritation.
- 50-100 ppm leads to eye damage.
- At 150-250 ppm the olfactory nerve is paralyzed after a few inhalations, and the sense of smell disappears, often together with awareness of danger,
- 320-530 ppm leads to pulmonary edema with the possibility of death.
- 530-1000 ppm causes strong stimulation of the central nervous system and rapid breathing, leading to loss of breathing;
    - 800 ppm is the lethal concentration for 50% of humans for 5 minutes exposure(LC50).
- Concentrations over 1000 ppm cause immediate collapse with loss of breathing, even after inhalation of a single breath.

Hydrogen sulfide was used by the British as a chemical agent during World War One. It was not considered to be an ideal war gas, but while other gasses were in short supply it was used on two occasions in 1916.[8]

A series of suicide cases in Japan in which the victims killed themselves by producing toxic hydrogen sulfide fumes by mixing common household cleaning products have highlighted the danger posed by commonly used substances and prompted censorship of internet sites who posted advice for aspiring suicides.[9]

EPAHO089000506

Function in the body

Hydrogen sulfide is produced in small amounts by some cells of the mammalian body and has a number of biological functions. It is produced from cysteine by various enzymes. It acts as a vasodilator and is also active in the brain, where it increases the response of the NMDA receptor and facilitates long term potentiation, which is involved in the formation of memory. Eventually the gas is converted to sulfites and further oxidized to thiosulfate and sulfate. Due to its effects similar to NO (without its potential to form peroxides by interacting with superoxide), hydrogen sulfide is now recognized as a potential cardioprotective agent. [10] Vasoactivity of garlic is caused by catabolism of the polysulfide group in allicin to H_2S, a reaction which could depend on reduction mediated by glutathione.[11] In trisomy 21 (the most common form of Down syndrome) the body produces an excess of hydrogen sulfide.

Induced hibernation

In 2005 it was shown that mice can be put into a state of suspended animation-like hypothermia by applying a low dosage of hydrogen sulfide (80 ppm H_2S) in the air. The breathing rate of the animals sank from 120 to 10 breaths per minute and their temperature fell from 37 °C to just 2 °C above ambient temperature (in effect, they had become cold-blooded). The mice survived this procedure for 6 hours and afterwards showed no negative health consequences.[12] In 2006 it was shown that the blood pressure of mice treated in this fashion with hydrogen sulfide did not significantly decrease.[13]

Such hibernation occurs naturally in many mammals and also in toads, but not in mice. (Mice can fall into a state called clinical torpor when food shortage occurs). If the H_2S-induced hibernation can be made to work in humans, it could be useful in the emergency management of severely injured patients, and in the conservation of donated organs. In 2008, hypothermia induced by hydrogen sulfide for 48 hours was shown to reduce the extent of brain damage caused by experimental stroke in rats.[14]

As mentioned above, hydrogen sulfide binds to cytochrome oxidase and thereby prevents oxygen from binding, which leads to the dramatic slowdown of metabolism. Animals and humans naturally produce some hydrogen sulfide in their body; researchers have proposed that the gas is used to regulate metabolic activity and body temperature, which would explain the above findings.[15]

However, a 2008 study failed to reproduce the effect in pigs, concluding that the effects seen in mice were not present in larger mammals.[16]

Participant in the sulfur cycle

Hydrogen sulfide is a central participant in the sulfur cycle, the biogeochemical cycle of sulfur on Earth. As mentioned above, sulfur-reducing and sulfate-reducing bacteria derive energy from oxidizing hydrogen or organic molecules in the absence of oxygen by reducing sulfur or sulfate to hydrogen sulfide. Other bacteria liberate hydrogen sulfide from sulfur-containing amino acids. Several groups of bacteria can use hydrogen sulfide as fuel, oxidizing it to elemental sulfur or to sulfate by using dissolved oxygen, metal oxides (e.g. Fe oxyhydroxides and Mn oxides) or nitrate as oxidant[17]. The purple sulfur bacteria and the green sulfur bacteria use hydrogen sulfide as electron donor in photosynthesis, thereby producing elemental sulfur. (In fact, this mode of photosynthesis is older than the mode of cyanobacteria, algae and plants which uses water as electron donor and liberates oxygen.)

H_2S implicated in mass extinctions

Hydrogen sulfide has been implicated in some of the several mass extinctions that have occurred in the Earth's past. The Permian mass extinction (sometimes known as the "Great Dying") may have been caused by hydrogen sulfide. Organic residues from these extinction boundaries indicate that the oceans were anoxic (oxygen depleted) and had species of shallow plankton that metabolized H_2S. The formation of H_2S may have been initiated by massive volcanic eruptions, which emitted CO_2 and methane into the atmosphere which warmed the oceans, lowering their capacity to absorb oxygen which would otherwise oxidize H_2S. The increased levels of hydrogen sulfide could have killed oxygen-generating plants as well as

EPAHO089000507

EPAHO089000508

- National Pollutant Inventory - Hydrogen sulfide fact sheet
- NIOSH Pocket Guide to Chemical Hazards
- MSDS safety data sheet
- Abstract of survey article on H_2S as used by the body, by P. Kamoun
- Computational Chemistry Wiki
- NACE (National Association of Corrosion Epal)
- Access Safety (Online H2S Awareness Training)

Retrieved from "http://en.wikipedia.org/wiki/Hydrogen_sulfide"
Categories: Sulfur compounds | Hydrogen compounds | Foul-smelling chemicals | Pollutants | Acids
Hidden categories: All articles with unsourced statements | Articles with unsourced statements since June 2007 | Articles with unsourced statements since March 2009 | Articles with unsourced statements since September 2007

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Hydrogen sulfide

IDLH Documentation

CAS number: 7783064

NIOSH REL: 10 ppm (15 mg/m^3) 10minute CEILING

Current OSHA PEL: 20 ppm CEILING, 50 ppm 10minute MAXIMUM PEAK

1989 OSHA PEL: 10 ppm (14 mg/m^3) TWA, 15 ppm (21 mg/m^3) STEL

1993-1994 ACGIH TLV: 10 ppm (14 mg/m^3) TWA, 15 ppm (21 mg/m^3) STEL

Description of Substance: Colorless gas with a strong odor of rotten eggs.

LEL:. . 4.0% (10% LEL, 4,000 ppm)

Original (SCP) IDLH: 300 ppm

Basis for original (SCP) IDLH: The chosen IDLH is based on the statements by Patty [1963] that 170 to 300 ppm is the maximum concentration that can be endured for 1 hour without serious consequences; 400 to 700 ppm is dangerous after exposure of 0.5 to 1 hour [Henderson and Haggard 1943]. AIHA [1963] reported that 400 to 700 ppm caused loss of consciousness and possible death in 0.5 to 1 hour [MCA 1950].

Existing short-term exposure guidelines: 1991 American Industrial Hygiene Association (AIHA) Emergency Response Planning Guidelines (ERPGs):

ERPG1: 0.1 ppm (60minute)

ERPG2: 30 ppm (60minute)

ERPG3: 100 ppm (60minute)

National Research Council [NRC 1985] Emergency Exposure Guidance Levels (EEGLs):

10minute EEGL: 50 ppm

24hour EEGL: 10 ppm

EPAHO089000510

ACUTE TOXICITY DATA:

Lethal concentration data:

Species	Reference	LC_{50} (ppm)	LC_{Lo} (ppm)	Time	Adjusted 0.5-hr LC (CF*)	Derived value
Rat	Back et al. 1972	713	-----	1 hr	977 ppm (1.37)	98 ppm
Mouse	Back et al. 1972	673	-----	1 hr	922 ppm (1.37)	92 ppm
Human	Lefaux 1968	-----	600	30 min	600 ppm (1.0)	60 ppm
Mouse	MacEwen and Vernot 1972	634	-----	1 hr	869 ppm (1.37)	87 ppm
Human	Tab Biol Per 1933	-----	800	5 min	354 ppm (0.44)	35 ppm
Rat	Tansey et al. 1981	444	-----	4 hr	1,141 ppm (2.57)	114 ppm

*Note: Conversion factor (CF) was determined with "n" = 2.2 [ten Berge et al. 1986].

Other human data: It has been reported that 170 to 300 ppm is the maximum concentration that can be endured for 1 hour without serious consequences [Henderson and Haggard 1943] and that olfactory fatigue occurs at 100 ppm [Poda 1966]. It has also been reported that 50 to 100 ppm causes mild conjunctivitis and respiratory irritation after 1 hour; 500 to 700 ppm may be dangerous in 0.5 to 1 hour; 700 to 1,000 ppm results in rapid unconsciousness, cessation of respiration, and death; and 1,000 to 2,000 ppm results in unconsciousness, cessation of respiration, and death in a few minutes [Yant 1930].

Revised IDLH: 100 ppm

Basis for revised IDLH: The revised IDLH for hydrogen sulfide is 100 ppm based on acute inhalation toxicity data in humans [Henderson and Haggard 1943; Poda 1966; Yant 1930] and animals [Back et al. 1972; MacEwen and Vernot 1972; Tansey et al. 1981].

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Go back to the Documentation for Immediately Dangerous To Life or Health

EPAHO089000512

Concentrations (IDLHs)

This page was last updated : 8/16/96

Go back to the NIOSH home page

or to the CDC home page.

EPAHO089000514

H_2S

at

Low Levels
in
Air No Risk

Hydrogen Sulfide Gas Shows Promise for Treating Heart Failure

November 11, 2008

At low concentrations, the toxic gas hydrogen sulfide protects the hearts of mice from heart failure, scientists at Emory University School of Medicine have found.

Their findings, presented Nov. 11 at the American Heart Association (AHA) Scientific Sessions conference in New Orleans, suggest that doctors could use hydrogen sulfide to treat humans with heart failure.

American Heart Association.

Best known for its rotten-egg smell, hydrogen sulfide can pose a deadly threat to miners or sewer workers. However, scientists have recently found that enzymes within the body produce the gas in small, physiological amounts, with multiple beneficial effects such as regulating blood pressure and attenuating inflammation.

David Lefer, PhD, professor of surgery at Emory University School of Medicine, and his team created a model of heart failure in mice by blocking their left coronary arteries either temporarily for an hour or permanently, causing part of their heart muscles to die. Hydrogen sulfide was administered intravenously once a day for a week.

John Calvert, PhD, assistant professor of surgery working with Lefer, will present the findings at the AHA Meeting. "Our results show that hydrogen sulfide can blunt the impact of heart failure on heart function and mortality in a mouse model of heart failure," Calvert says.

Four weeks after artery blockage, mice treated with hydrogen sulfide had an ejection fraction, a measure of heart function, about a third larger than controls (36 compared to 27 percent). He and his colleagues also found similar effects in mice engineered to make more of an enzyme that generates hydrogen sulfide.

Heart failure, a leading cause of hospitalization for the elderly, describes a situation when the heart muscle cannot pump enough blood to meet the body's needs. Previous injury to the heart muscle from a heart attack, obesity, diabetes or high blood pressure all are contributing factors.

In a separate presentation, Calvert presented experimental data on how hydrogen sulfide works in the heart. The gas appears to stimulate heart muscle cells to produce their own antioxidants and molecules that stave off programmed cell death, a response to the loss of blood flow.

Both Calvert and Lefer are based at Carlyle Fraser Heart Center at Emory Crawford Long Hospital in Atlanta. Some of the research was performed at Albert Einstein College of Medicine in New York, with Susheel Gundewar, Saurabh Jha and John Elrod.

The research was funded by the National Institutes of Health, the American Diabetes Association and by a research grant from the biotechnology firm Ikaria Holdings. Lefer is a paid consultant for Ikaria, which is developing technology for hydrogen sulfide delivery.

About Emory Heart & Vascular Center

Emory Heart & Vascular Center doctors are committed to providing clinically excellent cardiovascular patient care, pioneering innovative clinical research and training the best heart specialists in the world. A component of Emory Healthcare, the Center is consistently recognized by U.S. News & World Report as one of the top heart centers in the country. Emory Healthcare is the clinical arm of Emory University's Woodruff Health Sciences Center and is the largest, most comprehensive health care system in Georgia.

EPAHO089000516

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EPAHO089000518

CES

Incident Report

April 14, 2009
of
Charles Brent Sittig

Port Arthur Chemical & Environmental Services, LLC.

2420 South Gulfway Drive
Port Arthur, TX 77640
Telephone: (713)-676-1460
Fax: (713)-676-1676
www.cesenvironmental.com

INCIDENT REPORT

Date of Incident: 04-14-2009 **Time ~ 1:00 P.M.**

Result of Incident: **Fatality**

Person(s) Directly Involved

Names: Brent Sittig, Glen Olson, Brian Weathers, Suzi Mock, Ryan Thomas, Michael Rudd, Beau Cumberland, Dennis Shaddox, Ricky Gall

Exact Location Where the Incident Occurred: 2420 S. Gulfway Dr., Port Arthur, TX 77640, Mechanic Shop

Investigation Process: Prabhakar R. Thangudu, HSE Manager was notified by Steve Stricker, Vice President that Brent Sittig, Driver, has collapsed and was rushed to the hospital in an ambulance. Prabhakar R. Thangudu and Steve Stricker headed to Port Arthur at ~ 2 P.M. While en route, Matt Bowman informed Prabhakar R. Thangudu that Brent Sittig was pronounced dead at the Hospital. Prabhakar R. Thangudu called and requested Anissa Wright, Human Resources Manager to call OSHA and report the fatality. This notification was in compliance with the requirements of the 29 CFR 1904.39 OSHA Standard. Information provided to the recording notification by Anissa Wright included a brief statement outlining the purpose of the notification, name and address of Port Arthur Chemical & Environmental Services and the following personal information regarding Brent Sittig:

1. Name: Brent Sittig
2. Address: (b) (6) [redacted]
3. SSN: (b) (6) [redacted]
4. DOB: (b) (6) [redacted]
5. Contact Info for Anissa Wright, Tel # 713-676-1460, email: awright@cesenvironmental.com

An OSHA representative, Joann J. Figueroa, emailed confirmation to Anissa Wright and provided OSHA Inspection # 311962484 for the fatality.

Upon arrival at the scene, the facility guard was present on site found talking to TCEQ personnel. Steve Stricker spoke briefly to TCEQ personnel. Later Jefferson County Judge Mr. Gillam visited the site with a Police Officer and a Detective. OSHA Inspector Mr. Basil Singh also showed up at ~ 5:30 P.M. and instructed not to let anyone enter the premises until 8 A.M. the next day. The facility guard was notified of this instruction from the OSHA Inspector.

On Wednesday, April 15, 2009, Prabhakar R. Thangudu arrived at the site at ~ 8:30 A.M. Mr. Basil Singh was already on site. Mr. Basil Singh has conducted interviews with all the available people that were present on site the previous day. He collected samples from NV-1 that contained Naphthenic caustic brought to the site from the refinery in Lake Charles, Louisiana and also Trailer 266 that was parked adjacent to Trailer 260. The facility also collected split samples of these trailers. Mr. Basil Singh also inspected the entire facility to make observations and take pictures.

Prabhakar R. Thangudu contacted the Jefferson County Coroner's Office (409-726-2571) to request for autopsy on Brent Sittig and was told that it was already done at the request of Mr. Gillam and Brent Sittig's family.

Port Arthur Chemical
& Environmental Services, LLC.

2420 South Gulfway Drive
Port Arthur, TX 77640
Telephone: (713)-676-1460
Fax: (713)-676-1676
www.cesenvironmental.com

Sequence of Events: Witness statements indicate that Brent Sittig brought in a load of Naphthenic caustic from the refinery and left it for unloading. He then went to the Mechanic Shop to wait while the trailer was getting unloaded. While at the Mechanic Shop he opened the shop door and saw Glen Olson, Mechanic talking on his cell phone. Brent Sittig shut the door and sat in the chair outside the office. He then called Michael Rudd, Technician on his cell phone and complained of chest pain. At this time Glen Olson heard Brent Sittig moan and Brent's chair hit outside of Mechanic Shop. Glen Olson ran outside and found Brent Sittig on the ground bleeding from nose and mouth. Dennis Shaddox, Technician called 911. Brian Weathers, Maintenance Supervisor gave CPR while waiting for the ambulance to arrive. Everyone present on site gathered around to assist. The ambulance arrived in 11 minutes and the paramedics took over to assist Brent Sittig and headed to the emergency room in 30 minutes.

Attachments: Witness Statements from Dennis Shaddox, Ricky Gall, Glen Olson, Michael Rudd, Suzi Mock, Anthony Savoy and Bo Cumberland.

Charles Brent Sittig

Attached is the incident report which states that Mr. Sittig was driving a tractor with a trailer loaded with Naphthenic caustic. The trailer was loaded for him at a refinery. Mr. Sittig drove to PACES and the material was unloaded without his help into Tank NV1. When Mr. Sittig died he was away from the trailer and Tank NVl with other people (e.g. Glen Olson). After Mr. Sittig died the material from NV1 was sampled and analysis of sulfides. The value measured by Set Environmental was less than 1 ppm for NV1(See Attachment). No alarms were triggered and No other people reported H2S exposure at the time of the death.

Charles Brent Sittig

Case Samples

Test Data Results

Gulf Coast ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

04/29/09

Technical Report for

SET Environmental

CES

Accutest Job Number: T27869

Sampling Date: 04/15/09

Report to:

SET Environmental
14010 Interdrive West
Houston, TX 77032
jmcbride@setenv.com; ahaygood@setenv.com

ATTN: Justin Mcbride

Total number of pages in report: 13

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Paul K Canevaro

Paul Canevaro
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-06-TX) AR (88-0756) FL (E87628) KS (E-10366) LA (85695/04004) OK (9103) UT(7132714700)

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Test results relate only to samples analyzed.

Note: This report is password protected to disallow document modification or assembly.
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EPAHO089000525

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EPAHO089000526

Sample Summary

SET Environmental

CES

Job No: T27869

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
T27869-1	04/15/09	16:00	JV	04/24/09	AQ	Water	NUI
T27869-2	04/15/09	16:00	JV	04/24/09	AQ	Water	W.S.C.R.

EPAHO089000527

Sample Results

Report of Analysis

EPAHO089000528

Accutest Laboratories

Report of Analysis

Client Sample ID:	NUI		
Lab Sample ID:	T27869-1	**Date Sampled:**	04/15/09
Matrix:	AQ - Water	**Date Received:**	04/24/09
		Percent Solids:	n/a
Project:	CES		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Hydroxide Alkalinity	0.0300	5.0	0.66	mg/l	1	04/29/09 15:00	MC	SM18 4500CO2D
Sulfide	0.15 U	8.0	0.15	mg/l	1	04/29/09 13:00	KD	SM 4500S+F

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
B = Indicates a result > = SDL but < MQL

EPAHO089000529

Accutest Laboratories

Report of Analysis

Client Sample ID:	W.S.C.R.		
Lab Sample ID:	T27869-2	**Date Sampled:**	04/15/09
Matrix:	AQ - Water	**Date Received:**	04/24/09
		Percent Solids:	n/a
Project:	CES		

General Chemistry

Analyte	Result	MQL	SDL	Units	DF	Analyzed	By	Method
Alkalinity, Carbonate [a]	350000	50	0.66	mg/l	1	04/29/09	TW	SM18 2320B
Hydroxide Alkalinity [a]	15800	50	0.66	mg/l	1	04/29/09 15:00	MC	SM18 4500CO2D
Sulfide	2200	40	0.15	mg/l	1	04/29/09 13:00	KD	SM 4500S+F

(a) Due to sample composition, the laboratory utilized a more concentrated titrant than listed in the method.

MQL = Method Quantitation Limit
SDL = Sample Detection Limit

U = Indicates a result < SDL
B = Indicates a result > = SDL but < MQL

EPAHO089000530

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

EPAHO089000531

CHAIN OF CUSTODY

ACCUTEST Laboratories

10165 Harwin Drive, Ste. 150, Houston, TX 77036
TEL. 713-271-4700 FAX: 713-271-4770
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # T27869

Client / Reporting Information

Company Name	~~14010~~ SET
Address	14010 Interdrive W
City	Houston State TX Zip 7870
Project Contact	Justin McNode E-mail
Phone #	281-881-0787
Sampler's Name	James Voss

Project Information

Project Name	CES
Street	2420 S Gulfway
City	Port Arthur State TX
Project #	
Fax #	
Client Purchase Order #	

Requested Analysis

MSDS Match

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SC - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MECH Vial #	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	MSDS Match	LAB USE ONLY
1	NVI		4-15	1600	JV	Liq	2	X	
2	W.S.C.R		4-15	1600	JV	Liq	2	X	

Turnaround Time (Business Days)

- ☐ 10 Day STANDARD
- ☑ 5 Day RUSH
- ☐ 3 Day EMERGENCY
- ☐ 2 Day EMERGENCY
- ☐ 1 Day EMERGENCY
- ☐ Other

Approved By: / Date:

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

- ☐ Commercial "A"
- ☐ Commercial "B"
- ☐ Reduced Tier 1
- ☐ Full Tier 1
- ☐ TRRP13
- ☐ EDD Format ____

Commercial "A" = Results Only

Comments / Remarks

Client wants to make sure MSDS matches samples. 1 test for each NVI + W.S.C.R, spare sample if needed

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler	Date Time	Received by	Relinquished by	Date Time	Received by
1 James Voss	4-15 1900	1 [signature] 04/24/09 1400	2 [signature]	4/24/09	2
3		3	4		4 [signature]
5		5	Custody Seal #	Preserved where applicable ☐	On Ice ☒ Cooler Temp. 2.6

3.1

3

T27869: Chain of Custody
Page 1 of 3

EPAHO089000532

SAMPLE INSPECTION FORM

Accutest Job Number: T27869 Client: SET Date/Time Received: 04/24/09 5:10

# of Coolers Received: 1 Thermometer #: IR-1 Temperature Adjustment Factor: -.4

Cooler Temps: #1: 2.6 #2: _____ #3: _____ #4: _____ #5: _____ #6: _____ #7: _____ #8: _____

Method of Delivery: FEDEX UPS Accutest Courier Greyhound Delivery Other

Airbill Numbers: _____

COOLER INFORMATION

- ☐ Custody seal missing or not intact
- ☐ Temperature criteria not met
- ☐ Wet ice received in cooler

CHAIN OF CUSTODY

- ☐ Chain of Custody not received
- ☐ Sample D/T unclear or missing
- ☐ Analyses unclear or missing
- ☐ COC not properly executed

SAMPLE INFORMATION

- ☐ Sample containers received broken
- ☐ VOC vials have headspace
- ☐ Sample labels missing or illegible
- ☐ ID on COC does not match label(s)
- ☐ D/T on COC does not match label(s)
- ☐ Sample/Bottles rcvd but no analysis on COC
- ☐ Sample listed on COC, but not received
- ☐ Bottles missing for requested analysis
- ☐ Insufficient volume for analysis
- ☐ Sample received improperly preserved

TRIP BLANK INFORMATION

- ☐ Trip Blank on COC but not received
- ☐ Trip Blank received but not on COC
- ☐ Trip Blank not intact
- ☐ Received Water Trip Blank
- ☐ Received Soil TB

Number of Encores? _____
Number of 5035 kits? _____
Number of lab-filtered metals? _____

Summary of Discrepancies:

TECHNICIAN SIGNATURE/DATE: [signature] 04/24/09

INFORMATION AND SAMPLE LABELING VERIFIED BY: 4.24.9

CORRECTIVE ACTIONS

Client Representative Notified: _____ **Date:** _____

By Accutest Representative: _____ **Via:** Phone Email

Client Instructions:

3.1 3

T27869: Chain of Custody
Page 2 of 3

EPAHO089000533

SAMPLE RECEIPT LOG

JOB #: T27869 DATE/TIME RECEIVED: 04/24/09 5:10

CLIENT: SET INITIALS: FF

COOLER#	SAMPLE ID	FIELD ID	DATE	MATRIX	VOL	BOTTLE #	LOCATION	PRESERV	PH
1	1	NVI MS/MSD	4-15 1600	Liq	40z	1-2	200	① 2 3 4 5 6 7 8	<2 >12
"	2	W.S.C.R MS/MSD	"	"	"	1-2	"	① 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12
								1 2 3 4 5 6 7 8	<2 >12

04/24/09 FF

PRESERVATIVES: 1: None 2: HCL 3: HNO3 4: H2SO4 5: NAOH 6: DI 7: MeOH 8: Other

3.1 3

T27869: Chain of Custody
Page 3 of 3

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T27869
Account: SETTXHO - SET Environmental
Project: CES

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Alkalinity, Carbonate	GN16722	5.0	0.0	mg/l				
Hydroxide Alkalinity	GN16718	5.0	0.0	mg/l				
Sulfide	GN16713	0.20	0.0	mg/l	1600	1560	97.5	80-120%

Associated Samples:
Batch GN16713: T27869-1, T27869-2
Batch GN16718: T27869-1, T27869-2
Batch GN16722: T27869-2
(*) Outside of QC limits

EPAHO089000536

BLANK SPIKE DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: T27869
Account: SETTXHO - SET Environmental
Project: CES

Analyte	Batch ID	Units	Spike Amount	BSD Result	RPD	QC Limit
Sulfide	GN16713	mg/l	1600	1580	0.1	

Associated Samples:
Batch GN16713: T27869-1, T27869-2
Batch GN16722: T27869-2
(*) Outside of QC limits

Field Test Data
April 15, 2009

1. **Trailer 260 (3:00pm, 4/15/09)**
   Headspace (air) testing results with portable field analyzer by Brian Weathers, carbon monoxide 20 ppm oxygen 20.9% H2S – no reading.

   NOTE: Liquid level in trailers to low to sample (thin film stated by Set Environment).

2. **Tank NV1 (3:30pm, 4/15/09)**
   H2S – 1 to 2 ppm
   CO – 0 ppm
   O2 – 20.9% (by: Brian Weathers)

3. **Trailer No. 266 (4:00pm, 4/15/09)**
   H2S – 3 ppm
   Carbon Monoxide 28 ppm
   Oxygen 20.9%

Concentra Medical Centers
10909 I-10 East Frwy Houston, TX 77029
Phone: (713) 973-7943 Fax: (713) 973-7947

Service Date: 02/11/2006
Patient Name: (b) (6)
SSN:

Medical Examination Report
FOR COMMERCIAL DRIVER FITNESS DETERMINATION

1. DRIVER'S INFORMATION Driver completes this section

Driver's Name (Last, First, Middle)	Social Security No.	Birth Date	Age	Sex		Date of Exam
(b) (6)	(b) (6)	03/31/1961	44	[X] Male [ ] Female	[ ] New Certification [✓] Recertification [ ] Follow Up	02/11/2006

Address:	City, State, ZIP Code	Work Tel: / Home Tel:	Driver's License No.	License Class	State of Issue
(b) (6)		(b) (6)	06017484	[✓] A [ ] B [ ] C [ ] D [ ] Other	TX

2. HEALTH HISTORY Driver completes this section, but medical examiner is encouraged to discuss with driver.

Yes	No	
✓		Any illness or injury in last 5 years?
	✓	Head/Brain injuries, disorders or illnesses
	✓	Seizures, epilepsy - If Yes, list medications.
	✓	Eye disorders or impaired vision (except corrective lenses)
	✓	Ear disorders, loss of hearing or balance
	✓	Heart disease or heart attack; other cardiovascular condition. If Yes, list medications.
	✓	Heart surgery (valve replacement/bypass, angioplasty, pacemaker)
	✓	High blood pressure If Yes, list medications:
	✓	Muscular disease
	✓	Shortness of breath
	✓	Lung disease, emphysema, asthma, chronic bronchitis
	✓	Kidney disease, dialysis
	✓	Liver disease
	✓	Digestive problems
	✓	Diabetes or elevated blood sugar controlled by: [ ] diet [ ] pills [ ] insulin
	✓	Nervous or psychiatric disorders, e.g., severe depression. If Yes, list medications:
	✓	Loss of, or altered consciousness
	✓	Surgery
	✓	Fainting, dizziness
	✓	Sleep disorders, pauses in breathing while asleep, daytime sleepiness, loud snoring
	✓	Stroke or paralysis
	✓	Missing or impaired hand, arm, foot, leg, finger, toe
	✓	Spinal injury or disease
	✓	Chronic low back pain
	✓	Regular, frequent alcohol use
	✓	Narcotic or habit forming drug use

If any YES answer, indicate onset date, diagnosis, treating physician's name and address, and any current limitation. List all medications (including over the-counter medications) used regularly or recently

I certify that the above information is complete and true. I understand that inaccurate, false or missing information may invalidate the examination and my Medical Examiner's Certificate.
I authorize Concentra Health Services Inc., its subsidiaries, divisions and related entities (collectively "Concentra") to provide all or any of my medical records to my employer and release Concentra, its employees, physicians, nurses, technicians (b) (6) es, claims, or causes of action that may result from this authorization.

(b) (6) 02/11/06
Date

Medical Examiner's Comments on Health History (The medical examiner must review and discuss with the driver any "yes" answers and potential hazards of medications, including over-the-counter medications, while driving. This discussion must be documented below.)

unremarkable

Testing (Medical Examiner completes Section 3 through 7)

3. VISION **Standard: At least 20/40 acuity (Snellen) in each eye with or without correction. At least 70° peripheral in horizontal meridian measured in each eye. The use of corrective lenses should be noted on the Medical Examiner's Certificate.**

INSTRUCTIONS: *When other than the Snellen chart is used, give test results in Snellen-comparable values. In recording distance vision, use 20 feet as normal. Report visual acuity as a ratio with 20 as numerator and the smallest type read at 20 feet as denominator. If the applicant wears corrective lenses, these should be worn while visual acuity is being tested. If the driver habitually wears contact lenses, or intends to do so while driving, sufficient evidence of good tolerance and adaptation to their use must be obvious.* ***Monocular drivers are not qualified.***

Numerical readings must be provided.

ACUITY	UNCORRECTED	CORRECTED	HORIZONTAL FIELD OF VISION
Right Eye	20/ 30	20/	Right Eye 85 °
Left Eye	20/ 30	20/	Left Eye 85 °
Both Eyes	20/ 20	20/	°

Complete next line only if vision testing is done by an ophthalmologist or optometrist

Applicant can recognize and distinguish among traffic control signals and devices showing standard red, green, and amber colors? [X] Yes [ ] No
Applicant meets visual acuity requirement only when wearing [ ] Corrective Lenses
Monocular Vision: [ ] Yes [X] No

Date of Examination	Name of Ophthalmologist or Optometrist (Print)	Tel No.	License No/State of Issue	Signature

4. HEARING **Standard: a) Must first perceive forced whispered voice >= 5 ft., with or without hearing aid, or b) average hearing loss in better ear <= 40 dB**
[ ] Check if hearing aid used for tests [ ] Check if hearing aid required to meet standard.

INSTRUCTIONS: *To convert audiometric test results from ISO to ANSI: -14 dB from ISO for 500Hz, -10 dB for 1,000Hz, 8.5 dB for 2,000HZ. To average, add the readings for 3 frequencies tested and divide by 3.*

Numerical reading must be recorded.

a) Record distance from individual at which forced whispered voice can first be heard	Right Ear	Left Ear
	5 \ Feet	5 \ Feet

b) If audiometer is used, record hearing loss in decibels. (acc to ANSI Z24.5-1951)

	Right Ear			Left Ear		
	500 Hz	1000 Hz	2000 Hz	500 Hz	1000 Hz	2000 Hz
	NA →			NA →		
	Average			Average		

5. BLOOD PRESSURE / PULSE RATE **Numerical readings must be recorded. *Medical examiner should take at least 2 readings to confirm blood pressure.***

Blood Pressure	Systolic	Diastolic
	130	88

Driver qualified if <= 140/90

Pulse Rate: [X] Regular [ ] Irregular
Record Pulse Rate: 64
Is post exercise required? [ ] Yes [ ] No
Pulse Rate after 2 mins exercise____ bpm
Exercise Type

Reading	Category	Expiration Date	Recertification
140-159/90-99	Stage 1	1 year	1 year if <= 140/90 One-time certificate for 3 months if 141-159/91-99
160-179/100-109	Stage 2	One-time certificate for 3 months	1 year from date of exam if <= 140/90
>= 180/110	Stage 3	Disqualified 6 months from date of exam if <= 140/90	6 months if <= 140/90

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Service Date: 02/11/2006
Patient Name: (b) (6) [redacted]
SSN:

Medical Examination Report
FOR COMMERCIAL DRIVER FITNESS DETERMINATION

6. LABORATORY AND OTHER TEST FINDINGS

Numerical reading must be recorded.

Urinalysis is required. Protein, blood or sugar in the urine may be an indication for further testing to rule out any underlying med cal problem

Other Testing *(Describe and record)*

URINE SPECIMEN	SP. GR	PROTEIN	BLOOD	SUGAR
	1.020	Neg	Neg	Neg

7. PHYSICAL EXAMINATION

Height 70 (in.) Weight 198 (lbs)

The presence of a certain condition may not necessarily disqualify a driver, particularly if the condition is controlled adequately, is not likely to worsen or is readily amenable to treatment. Even if a condition does not disqualify a driver, the medical examiner may consider deferring the driver temporarily. Also, the driver should be advised to take the necessary steps to correct the condition as soon as possible particularly if the condition, if neglected, could result in more serious illness that might affect driving.

Check YES if there are any abnormalities. Check NO if the body system is normal. Discuss any YES answers in detail in the space below, and indicate whether it would affect the driver's ability to operate a commercial motor vehicle safely. Enter applicable item number before each comment. If organic disease is present, note that it has been compensated for.

See *Instructions To The Medical Examiner* for guidance

BODY SYSTEM	CHECK FOR	YES *	NO
1. General Appearance	Marked overweight, tremor, signs of alcoholism, problem drinking, or drug abuse.		✓
2. Eyes	Pupillary equality, reaction to light, accommodation, ocular motility, ocular muscle imbalance, extraocular movement, nystagmus, exophthalmos. Ask about retinopathy, cataracts, aphakia, glaucoma, macular degeneration and refer to a specialist if appropriate.		✓
3. Ears	Scarring of tympanic membrane, occlusion of external canal, perforated eardrums.		✓
4. Mouth and Throat	Irremediable deformities likely to interfere with breathing or swallowing		✓
5. Heart	Murmurs, extra sounds, enlarged heart, pacemaker, implantable defibrillator.		✓
6. Lungs and chest, not including breast examination	Abnormal chest wall expansion, abnormal respiratory rate, abnormal breath sounds including wheezes or alveolar rales, impaired respiratory function, dyspnea, cyanosis. Abnormal findings on physical exam may require further testing such as pulmonary tests and/or xray of chest.		✓

BODY SYSTEM	CHECK FOR:	YES *	NO
7. Abdomen and Viscera	Enlarged liver, enlarged spleen, masses, bruits, hernia, significant abdominal wall muscle weakness.		✓
8. Vascular	Abnormal pulse and amplitude, carotid or arterial bruits, varicose veins.		✓
9. Genito-urinary	Hernias.		✓
10. Extremities - Limb impaired. Driver may be subject to SPE certificate if otherwise qualified.	Loss or impairment of leg, foot, toe, arm, hand, finger. Perceptible limp, deformities, atrophy, weakness, paralysis, clubbing, edema, hypotonia. Insufficient grasp and prehension in upper limb to maintain steering wheel grip. Insufficient mobility and strength in lower limb to operate pedals properly.		✓
11. Spine, other musculoskeletal	Previous surgery, deformities, limitation of motion, tenderness.		✓
12. Neurological	Impaired equilibrium, coordination or speech pattern, paresthesia, asymmetric deep tendon reflexes, sensory or positional abnormalities, abnormal patellar and Babinski's reflexes, ataxia.		✓

* COMMENTS: (explain all YES answers):

Note certification status here. See *Instructions to the Medical Examiner* for guidance.

- [x] Meets standards in 49 CFR 391.41; qualifies for 2 year certificate
- [ ] Does not meet standards
- [ ] Meets standards, but periodic evaluation required.

Due to _____ driver qualified only for:

- [ ] 3 months
- [ ] 6 months
- [ ] 1 year
- [ ] Other _____
- [ ] Temporarily disqualified due to (condition or medication): _____

Return to medical examiner's office for follow up on _____

- [ ] Wearing corrective lenses
- [ ] Wearing hearing aid
- [ ] Accompanied by a _____ waiver/exemption. Driver must present exemption at time of certification.
- [ ] Skill Performance Evaluation (SPE) Certificate
- [ ] Driving within an exempt intracity zone. (See 49 CFR 391.62)
- [ ] Qualified by operation of 49 CFR 391.64

Medical Examiner's Signature: Wei-Ming Tuan, MD
Medical Examiner's Name (print): Wei-Ming Tuan, MD
Address: 10909 I-10 East Frwy Houston, TX 77029
Telephone Number: (713)973-7943

If meets standards, complete a *Medical Examiner's* Certificate according to 49 CFR 391.43(h). (Driver must carry certificate when operating a commercial vehicle.)

MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined Sittig, Charles B. in accordance with the Federal Motor Carrier Safety Regulations (49 CFR 391.41-391.49) and with knowledge of the driving duties, I find this person is qualified; and, if applicable, only when:

- [ ] wearing corrective lenses
- [ ] wearing hearing aid
- [ ] accompanied by a _____ waiver/exemption
- [ ] driving within an exempt intracity zone (49 CFR 391.62)
- [ ] accompanied by a Skill Performance Evaluation Certificate (SPE)
- [ ] Qualified by operation of 49 CFR 391.64

The information I have provided regarding this physical examination is true and complete. A complete examination form with any attachment embodies my findings completely and correctly, and is on file in my office.

SIGNATURE OF MEDICAL EXAMINER	TELEPHONE	DATE
Wei-Ming Tuan, MD	(713)973-7943	02/11/2006
MEDICAL EXAMINER'S NAME (PRINT): Wei-Ming Tuan	[x] MD [ ] DO [ ] Physician Assistant	[ ] Chiropractor [ ] Advance Practice Nurse
MEDICAL EXAMINER'S LICENSE OR CERTIFICATE NO.: J2386 (b) (6) [redacted]	ISSUING STATE: TX	
SIGNATURE OF DRIVER	DRIVER'S LICENSE NO.: (b) (6) [redacted]	STATE: TX.
ADDRESS OF DRIVER: 3402 Preston Rd PASADENA, TX 77505		
MEDICAL CERTIFICATE EXPIRATION DATE: 2-11-2008		

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Revision Date: 02/10/2004

CONCENTRA Medical Centers

MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined Charles B. Sitting in accordance with FMCSR 49 CFR 391.41-391.49 and with knowledge of the driving duties, I find this person is qualified; and, if applicable, only when:

- ☐ Wearing Corrective Lenses
- ☐ Wearing Hearing Aid
- ☐ Accompanied by a _____ waiver/exemption
- ☐ Driving within an exempt intracity zone (49 CFR 391.62)
- ☐ Accompanied by a Skill Performance Evaluation Certificate
- ☐ Qualified by operation of 49 CFR 391.64

The information I have provided regarding this physical examination is true and complete. A complete exam form with any attachment embodies my findings completely and correctly, and is on file in my office.

SIGNATURE OF MEDICAL EXAMINER: Victor A. Diaz, M.D.	TELEPHONE NO.: 13973943	DATE: 2,9,08
MEDICAL EXAMINER'S NAME (print): TX J7468	☒ MD ☐ DO	
MEDICAL EXAMINER'S LICENSE OR CERTIFICATE NO. / ISSUING STATE: /	☐ Chiropractor ☐ Advanced Practice Nurse ☐ Physician's Assistant	
SIGNATURE OF DRIVER: Charles B. Sitting	DRIVER'S LICENSE NO.: (b) (6)	STATE: TX.
DRIVER'S ADDRESS (Street, City, State, Zip Code): (b) (6)	MED. CERT. EXPIRATION DATE: 2 / 7 / 10 / nz	

NOTE: Driver MUST carry a copy of this certificate when operating a commercial motor vehicle in accordance with 49 CFR 391.41 (a)

CMCDOTCARD

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Service Date: 02/09/2008
Patient Name: (b) (6) [redacted]
SSN:

Medical Examination Report
FOR COMMERCIAL DRIVER FITNESS DETERMINATION

6. LABORATORY AND OTHER TEST FINDINGS Numerical reading must be recorded.

Urinalysis is required. Protein, blood or sugar in the urine may be an indication for further testing to rule out any underlying medical problem.

Other Testing *(Describe and record)*

URINE SPECIMEN	SP. GR	PROTEIN	BLOOD	SUGAR
	1.013	0	0	0

7. PHYSICAL EXAMINATION Height 71 (in.) Weight 196 (lbs)

The presence of a certain condition may not necessarily disqualify a driver, particularly if the condition is controlled adequately, is not likely to worsen or is readily amenable to treatment. Even if a condition does not disqualify a driver, the medical examiner may consider deferring the driver temporarily. Also, the driver should be advised to take the necessary steps to correct the condition as soon as possible particularly if the condition, if neglected, could result in more serious illness that might affect driving.

Check YES if there are any abnormalities. Check NO if the body system is normal. Discuss any YES answers in detail in the space below, and indicate whether it would affect the driver's ability to operate a commercial motor vehicle safely. Enter applicable item number before each comment. If organic disease is present, note that it has been compensated for.

See *Instructions To The Medical Examiner* for guidance.

BODY SYSTEM	CHECK FOR:	YES *	NO
1. General Appearance	Marked overweight, tremor, signs of alcoholism, problem drinking, or drug abuse.		✓
2. Eyes	Pupillary equality, reaction to light, accommodation, ocular motility, ocular muscle imbalance, extraocular movement, nystagmus, exophthalmos. Ask about retinopathy, cataracts, aphakia, glaucoma, macular degeneration and refer to a specialist if appropriate.		✓
3. Ears	Scarring of tympanic membrane, occlusion of external canal, perforated eardrums.		✓
4. Mouth and Throat	Irremediable deformities likely to interfere with breathing or swallowing		✓
5. Heart	Murmurs, extra sounds, enlarged heart, pacemaker, implantable defibrillator.		✓
6. Lungs and chest, not including breast examination	Abnormal chest wall expansion, abnormal respiratory rate, abnormal breath sounds including wheezes or alveolar rales, impaired respiratory function, dyspnea, cyanosis. Abnormal findings on physical exam may require further testing such as pulmonary tests and/or xray of chest.		✓

BODY SYSTEM	CHECK FOR:	YES *	NO
7. Abdomen and Viscera	Enlarged liver, enlarged spleen, masses, bruits, hernia, significant abdominal wall muscle weakness.		✓
8. Vascular	Abnormal pulse and amplitude, carotid or arterial bruits, varicose veins.		✓
9. Genito-urinary	Hernias.		✓
10. Extremities - Limb impaired. Driver may be subject to SPE certificate if otherwise qualified.	Loss or impairment of leg, foot, toe, arm, hand, finger. Perceptible limp, deformities, atrophy, weakness, paralysis, clubbing, edema, hypotonia. Insufficient grasp and prehension in upper limb to maintain steering wheel grip. Insufficient mobility and strength in lower limb to operate pedals properly.		✓
11. Spine, other musculoskeletal	Previous surgery, deformities, limitation of motion, tenderness.		✓
12. Neurological	Impaired equilibrium, coordination or speech pattern; paresthesia, asymmetric deep tendon reflexes, sensory or positional abnormalities, abnormal patellar and Babinski's reflexes, ataxia.		✓

* COMMENTS: (explain all YES answers):

Note certification status here. See Instructions to the Medical Examiner for guidance.

- ☑ Meets standards in 49 CFR 391.41; qualifies for 2 year certificate
- ☐ Does not meet standards
- ☐ Meets standards, but periodic evaluation required.

Due to _____ driver qualified only for:

- ☐ 3 months ☐ 6 months ☐ 1 year
- ☐ Other _____
- ☐ Temporarily disqualified due to (condition or medication): _____

Return to medical examiner's office for follow up on _____

- ☐ Wearing corrective lenses
- ☐ Wearing hearing aid
- ☐ Accompanied by a _____ waiver/exemption. Driver must present exemption at time of certification.
- ☐ Skill Performance Evaluation (SPE) Certificate
- ☐ Driving within an exempt intracity zone. (See 49 CFR 391.62)
- ☐ Qualified by operation of 49 CFR 391.64

Medical Examiner's Signature Victor A. Diaz, M.D. TX J7468

Medical Examiner's Name (print)

Address 10909 East Frwy Houston, TX 77029

Telephone Number (713)973-7943

If meets standards, complete a Medical Examiner's Certificate according to 49 CFR 391.43(h). (Driver must carry certificate when operating a commercial vehicle.)

MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined Sittig, Charles B. in accordance with the Federal Motor Carrier Safety Regulations (49 CFR 391.41-391.49) and with knowledge of the driving duties, I find this person is qualified; and, if applicable, only when:

- ☐ wearing corrective lenses
- ☐ wearing hearing aid
- ☐ accompanied by a _____ waiver/exemption
- ☐ driving within an exempt intracity zone (49 CFR 391.62)
- ☐ accompanied by a Skill Performance Evaluation Certificate (SPE)
- ☐ Qualified by operation of 49 CFR 391.64

The information I have provided regarding this physical examination is true and complete. A complete examination form with any attachment embodies my findings completely and correctly, and is on file in my office.

SIGNATURE OF MEDICAL EXAMINER	TELEPHONE	DATE
Victor A. Diaz, M.D. TX J7468	(713)973-7943	02/09/2008
MEDICAL EXAMINER'S NAME (PRINT)	☐ MD ☐ DO ☐ Physician Assistant	☐ Chiropractor ☐ Advance Practice Nurse
MEDICAL EXAMINER'S LICENSE OR CERTIFICATE NO.	ISSUING STATE	
SIGNATURE (b) (6) [redacted]	DRIVER'S LICENSE (b) (6) [redacted]	STATE Tx.
ADDRESS OF DRIVER 3402 Preston Rd PASADENA, TX 77505		
MEDICAL CERTIFICATE EXPIRATION DATE Feb 7 08 Feb-7-10		

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Service Date: 02/09/2008
Patient Name: (b) (6)
SSN:

Medical Examination Report
FOR COMMERCIAL DRIVER FITNESS DETERMINATION

1. DRIVER'S INFORMATION — Driver completes this section

Driver's Name (Last, First, Middle)	Social Security No.	Birth Date	Age	Sex		Date of Exam
(b) (6)			46	[X] Male [ ] Female	[ ] New Certification [✓] Recertification [ ] Follow Up	02/09/2008

Address:	City, State, ZIP Code	Work Tel:	Driver's License No.	License Class	State of Issue
(b) (6)			(b) (6)	[✓] A [ ] B [ ] C [ ] D [ ] Other	TX.

2. HEALTH HISTORY — Driver completes this section, but medical examiner is encouraged to discuss with driver.

Yes	No	
✓		Any illness or injury in last 5 years?
	✓	Head/Brain injuries, disorders or illnesses
	✓	Seizures, epilepsy - If Yes, list medications:
	✓	Eye disorders or impaired vision (except corrective lenses)
✓		Ear disorders, loss of hearing or balance
	✓	Heart disease or heart attack; other cardiovascular condition If Yes, list medications:
	✓	Heart surgery (valve replacement/bypass, angioplasty, pacemaker)
	✓	High blood pressure - If Yes, list medications:
	✓	Muscular disease
	✓	Shortness of breath
	✓	Lung disease, emphysema, asthma, chronic bronchitis
	✓	Kidney disease, dialysis
	✓	Liver disease
	✓	Digestive problems
	✓	Diabetes or elevated blood sugar controlled by: [ ] diet [ ] pills [ ] insulin
	✓	Nervous or psychiatric disorders, e.g., severe depression If Yes, list medications:
	✓	Loss of, or altered consciousness
	✓	Surgery
	✓	Fainting, dizziness
	✓	Sleep disorders, pauses in breathing while asleep, daytime sleepiness, loud snoring
	✓	Stroke or paralysis
	✓	Missing or impaired hand, arm, foot, leg, finger, toe
	✓	Spinal injury or disease
	✓	Chronic low back pain
	✓	Regular, frequent alcohol use
	✓	Narcotic or habit forming drug use

For any YES answer, indicate onset date, diagnosis, treating physician's name and address, and any current limitation. List all medications (including over-the-counter medications) used regularly or recently.

OK

I certify that the above information is complete and true. I understand that inaccurate, false or missing information may invalidate the examination and my Medical Examiner's Certificate.
I authorize Concentra Heal(b) (6) ntities (collectively "Concentra") to provide all or any of my medical records to my employer and release Concentra, its employees, physicians, nurses, technic claims, or causes of action that may result from this authorization.

Driver's Signature — Date: 02/09/08

Medical Examiner's Comments on Health History (The medical examiner must review and discuss with the driver any "yes" answers and potential hazards of medications, including over-the-counter medications, while driving. This discussion must be documented below.)

Testing (Medical Examiner completes Section 3 through 7)

3. VISION

Standard: At least 20/40 acuity (Snellen) in each eye with or without correction. At least 70° peripheral in horizontal meridian measured in each eye. The use of corrective lenses should be noted on the Medical Examiner's Certificate.

INSTRUCTIONS: *When other than the Snellen chart is used, give test results in Snellen-comparable values. In recording distance vision, use 20 feet as normal. Report visual acuity as a ratio with 20 as numerator and the smallest type read at 20 feet as denominator. If the applicant wears corrective lenses, these should be worn while visual acuity is being tested. If the driver habitually wears contact lenses, or intends to do so while driving, sufficient evidence of good tolerance and adaptation to their use must be obvious. Monocular drivers are not qualified.*

Numerical readings must be provided.

ACUITY	UNCORRECTED	CORRECTED	HORIZONTAL FIELD OF VISION
Right Eye	20/ 15	20/	Right Eye °
Left Eye	20/ 15	20/	Left Eye 160°
Both Eyes	20/ 20	20/	°

Applicant can recognize and distinguish among traffic control signals and devices showing standard red, green, and amber colors? [X] Yes [ ] No

Applicant meets visual acuity requirement only when wearing: [ ] Corrective Lenses

Monocular Vision: [ ] Yes [X] No

Complete next line only if vision testing is done by an ophthalmologist or optometrist

Date of Examination	Name of Ophthalmologist or Optometrist (Print)	Tel No.	License No/State of Issue	Signature

4. HEARING

Standard: a) Must first perceive forced whispered voice >= 5 ft., with or without hearing aid, or b) average hearing loss in better ear <= 40 dB

[ ] Check if hearing aid used for tests [ ] Check if hearing aid required to meet standard.

INSTRUCTIONS: *To convert audiometric test results from ISO to ANSI. -14 dB from ISO for 500Hz, -10 dB for 1,000Hz, -8.5 dB for 2,000HZ. To average, add the readings for 3 frequencies tested and divide by 3.*

Numerical reading must be recorded.

	Right Ear	Left Ear
a) Record distance from individual at which forced whispered voice can first be heard.	5 \ Feet	5 \ Feet

b) If audiometer is used, record hearing loss in decibels. (acc. to ANSI Z24.5-1951)	Right Ear 500 Hz	1000 Hz	2000 Hz	Left Ear 500 Hz	1000 Hz	2000 Hz
	Average:			Average:		

5. BLOOD PRESSURE / PULSE RATE

Numerical readings must be recorded. Medical examiner should take at least 2 readings to confirm blood pressure.

Blood Pressure	Systolic	Diastolic
	124	82

Driver qualified if <= 140/90.

Pulse Rate :	[X] Regular [ ] Irregular
Record Pulse Rate:	72
Is post exercise required?	[ ] Yes [X] No
Pulse Rate after 2 min. exercise	bpm
Exercise Type	

Reading	Category	Expiration Date	Recertification
140-159/90-99	Stage 1	1 year	1 year if <= 140/90 One-time certificate for 3 months if 141-159/91-99
160-179/100-109	Stage 2	One-time certificate for 3 months	1 year from date of exam if <= 140/90
>= 180/110	Stage 3	Disqualified 6 months from date of exam if <= 140/90	6 months if <= 140/90

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CONCENTRA Medical Centers

MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined Charles B. Sitting in accordance with FMCSR 49 CFR 391.41-391.49 and with knowledge of the driving duties, I find this person is qualified; and, if applicable, only when:

- ☐ Wearing Corrective Lenses
- ☐ Wearing Hearing Aid
- ☐ Accompanied by a _____ waiver/exemption
- ☐ Driving within an exempt intracity zone (49 CFR 391.62)
- ☐ Accompanied by a Skill Performance Evaluation Certificate
- ☐ Qualified by operation of 49 CFR 391.64

The information I have provided regarding this physical examination is true and complete. A complete exam form with any attachment embodies my findings completely and correctly, and is on file in my office.

SIGNATURE OF MEDICAL EXAMINER: Victor A. Diaz, M.D.	TELEPHONE NO.: 7139737943	DATE: 2,9,08
MEDICAL EXAMINER'S NAME (print): TX J7468	☒ MD ☐ DO	
MEDICAL EXAMINER'S LICENSE OR CERTIFICATE NO. / ISSUING STATE	☐ Chiropractor ☐ Advanced Practice Nurse ☐ Physician's Assistant	
SIGNATURE OF DRIVER: Charles B. Sitting	DR (b) (6)	STATE: TX.
DRIVER'S ADDRESS (Street, City, State, ZipCode): (b) (6)	MED. CERT. EXPIRATION DATE: 2 / 7 / 10 / nz	

NOTE: Driver MUST carry a copy of this certificate when operating a commercial motor vehicle in accordance with 49 CFR 391.41 (a)

©MCDOTCARD

EPAHO089000546

DEPARTMENT OF HEALTH AND HUMAN SERVICES • NATIONAL INSTITUTES OF HEALTH

Calculate Your Body Mass Index

National Heart Lung and Blood Institute • Obesity Education Initiative

Healthy Weight Home | Menu Planner | Portion Distortion | WeCan!

Body mass index (BMI) is a measure of body fat based on height and weight that applies to both **adult** men and women.

- Enter your weight and height using Standard or Metric measures.
- Click on "Compute BMI" and your BMI will appear in the heart of the figure.

Español

STANDARD | METRIC

Your Height: 5 (feet) 11 (inches)

Your Weight: 196 (pounds)

Compute BMI

Your BMI: 27.3

BMI Categories:

- Underweight = <18.5
- Normal weight = 18.5-24.9
- Overweight = 25-29.9
- Obesity = BMI of 30 or greater

The BMI Tables

Aim for a Healthy Weight:

- **Assessing Your Risk**
- **Limitations of the BMI**
- **Controlling Your Weight**
- **Recipes**

Note: If this does not work with your browser or for a text alternative to this page, go to our CGI based BMI Calculator

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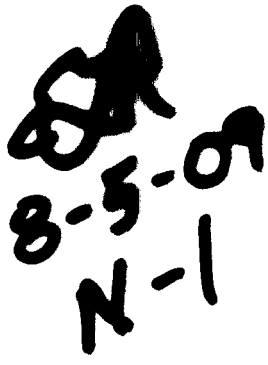
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