SOLID BY-PRODUCT MANAGEMENT PLAN

CORN, LP
Goldfield, Iowa

Last revision date: February 2, 2012

Prepared and submitted by
CORN, LP
1303 Highway 3 East
PO Box 280
Goldfield, Iowa 50542
(515) 825-3933

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1 Description of Solid By-Product Sources

CORN, LP is a coal-fired ethanol plant located in Goldfield, Iowa. The facility uses a bubbling fluidized bed combustor (BFB) to burn coal. The BFB combusts low sulfur coal from Powder River Basin at a maximum rate of approximately 220 MM BTU / hr. The primary purpose of the unit is to produce steam for the production of ethanol. It also acts as a thermal oxidizer, reducing emissions from the dryers and distillation equipment.

The BFB runs continuously, 24 hours per day, 7 days per week. The unit may be shut down occasionally to complete maintenance. During the startup phase, propane is used to heat the combustor to the temperature at which it can burn coal. Emissions are controlled by injecting anhydrous ammonia into the vapor space to control NO_x, and by feeding limestone in with the coal to control SO_2.

Fly ash is produced as a by-product of the facility's coal combustion and is produced solely from the BFB. The facility's maximum expected fly ash production rate is 7900 tons per year.

2 Procedures for Periodic Testing

On an annual basis, the fly ash is tested to ensure the chemical and physical properties have not changed significantly, and to ensure the fly ash is safe for beneficial use. Analyses listed in Table 1 will be performed.

Parameter	Method
Total Metals by SW 846 Series Methods	
Antimony	SW 6010B or SW 7041
Arsenic	SW 7060A
Barium	SW 6010B
Beryllium	SW 6010B or SW 7091
Boron	SW 6010B
Cadmium	SW 6010B
Chromium	SW 6010B
Copper	SW 6010B
Lead	SW 6010B
Manganese	SW 6010B
Mercury	SW 7471A
Molybdenum	SW 6010B
Nickel	SW 6010B
Selenium	SW 6010B
Silver	SW 6010B
Thallium	SW 7841
Vanadium	SW 6010B
Zinc	SW 6010B
TCLP Metals	
Arsenic	SW 6010B
Barium	SW 6010B
Cadmium	SW 6010B
Chromium	SW 6010B
Lead	SW 6010B
Mercury	SW 7470A
Selenium	SW 6010B
Silver	SW 6010B
SPLP Metals	
Antimony	SW 7041
Arsenic	SW 7060A
Barium	SW 6010B
Beryllium	SW 6010B
Cadmium	SW 6010B
Chromium	SW 6010B
Copper	SW 6010B
Lead	SW 6010B
Mercury	SW 7470A
Selenium	SW 6010B
Thallium	SW 7841
% Solids	SM 2540 G
pH	SW 9045 D

Table 1 Fly ash analyses

3 Description of Storage Procedures

CORN, LP stores fly ash on site in a silo that is thirty-six feet high and twelve feet in diameter. At maximum capacity, the silo holds approximately 75 tons of fly ash. The silo is located on top of the fly ash loadout building and has a baghouse to control emissions. Fly ash is stored in the silo until it is loaded into trucks to be shipped off site. The silo is the only fly ash storage area on CORN, LP property.

CORN, LP has a Storm Water Pollution Prevention Plan. A Notice of Intent (NOI) for coverage under the IDNR NPDES Storm Water General Permit No. 1 was submitted in December 2005. Because of the nature of the facility's storage, run-off water is not expected to contain fly ash.

CORN, LP strives to minimize uncontrolled dispersion of fly ash. Both the storage silo and loadout building are enclosed, and fly ash hauled out by truck must be covered with a tarp.

Fly ash is regularly transported from the facility. Storage time on CORN, LP property never exceeds one month, and typical storage time is 2-3 days. Fly ash transported from CORN, LP is either hauled to an end user for immediate beneficial use or is stockpiled by an intermediate contractor for future beneficial use or disposal. Fly ash shall not be stored in the stockpile for more than 6 months.

Lund Construction is currently the only entity authorized to stockpile fly ash produced by CORN, LP. Details about Lund Construction's storage location, including a copy of the NPDES notice of general permit coverage under General Permit No. 1 are on file at CORN, LP.

4 Recordkeeping and Reporting

CORN, LP requires that all entities engaging in the beneficial use of the facility's fly ash comply with the requirements of 567 IAC Chapter 108. Beneficial uses are limited to the universally approved uses listed in this subrule and beneficial use determinations specifically approved by the Iowa Department of Natural Resources. Reasonable efforts will be made to ensure that entities receiving fly ash from CORN, LP beneficially use the material in accordance with this subrule.

A record of fly ash loads going out of the facility and the intended destination and use of each load is kept on site. This information is recorded as the trucks are shipped. When the intended use of the flyash has not been determined at the time of shipment, the contractor hauling the flyash records how the flyash was used. In all cases, flyash is beneficially used in accordance with the requirements of 567 IAC Chapter 108. A copy of the fly ash loadout form can be found in the appendix of this document. Inspections are conducted on an as-needed basis to ensure fly ash is being stored and used properly, in accordance with all applicable regulations.

Fly ash transported to the storage area maintained by Lund Construction is also recorded in the log at CORN, LP. Lund Construction keeps records on the beneficial use of the fly ash stored at their facility. These records are available to CORN, LP upon request.

Any changes made to the solid by-product management plan will be submitted to the Iowa DNR's central office and to Field Office 2 in a timely fashion. If and when CORN, LP's fly ash is being used as a fill material, the facility will submit information about each beneficial use project, including the location of each project and the tons of fly ash utilized for the project. This information will be submitted within 60 days of the end of each calendar year. At present, no CORN, LP flyash has been utilized as fill material.

Records pertaining to the solid by-product management plan will be retained by CORN, LP for five years.

APPENDIX

CORN, LP Fly Ash Loadout Form

CORN, LP Fly Ash Loadout Record

Date	Time	Amount	Ticket Number	Hauled by	Destination	Intended Use Notify management immediately if intended use is not on this list.
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined
						☐ Soil stabilization in cattle yards ☐ Asphalt or concrete product manufacturing ☐ Soil stabilization for construction purposes ☐ To be determined

CORN, LP Report request.
Andy Miller to: Glenn Cherry 11/28/12 10:34 AM

History: This message has been replied to.

2 attachments

CVG0453 FINAL UDS_UDS Level 1 Compact Report 07-31-2012 0813.pdf

CUK0050,CUK1497 FINAL UDS_UDS Level 1 Compact Report 01-04-2012 0915.pdf

Here are the documents requested.
----- Message from Jennifer Etheredge <jetheredge@cornlp.com> on Wed, 28 Nov 2012 09:15:58 -0600 -----

To: Andy Miller <amiller@cornlp.com>
Subject FW: TestAmerica Cedar Falls - Report for project: Beneficial Use/Flyash - Final : Report:CVG0453

This is the most recent flyash test report (prior to the landfill fire). Only total metals results for arsenic, barium and beryllium are included on this one.

From: Linda Cmelik [linda.cmelik@testamericainc.com]
Sent: Tuesday, July 31, 2012 8:30 AM
To: Jennifer Etheredge
Subject: TestAmerica Cedar Falls - Report for project: Beneficial Use/Flyash - Final Report:CVG0453

Project: Beneficial Use
Project Number: Flyash
Work Order: CVG0453
Date: 07/31/2012 08:22 am

The analytical testing for your samples received on 07/10/2012 is now complete. The report is attached as a PDF document.

Thank you for choosing TestAmerica Cedar Falls as your environmental laboratory. Our mission is to provide exceptional laboratory services and consistently reliable data to decision makers in the environmental market. We appreciate the opportunity to provide you with this service.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at:
https://secure.testamericainc.com/snaponline/surveylogin.asp?k=121632876991

If you have any questions or concerns, please feel free to contact me at the phone number or email address given below.

Sincerely,

Linda Cmelik
TestAmerica Cedar Falls
800-750-2401
Email: linda.cmelik@testamericainc.com

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----- Message from Jennifer Etheredge <jetheredge@cornlp.com> on Wed, 28 Nov 2012 09:18:28 -0600 -----

To: Andy Miller <amiller@cornlp.com>
Subject FW: TestAmerica Cedar Falls - Report for project: Beneficial Use/Flyash - Final
: Report:CUK0050

This is the most recent complete flyash test report (prior to the fire) including total metals, TCLP and SPLP results.

From: Shirley Thompson [shirley.thompson@testamericainc.com]
Sent: Wednesday, January 04, 2012 9:30 AM
To: Jennifer Etheredge
Subject: TestAmerica Cedar Falls - Report for project: Beneficial Use/Flyash - Final Report:CUK0050

Project: Beneficial Use
Project Number: Flyash
Work Order: CUK0050
Date: 01/04/2012 09:20 am

The analytical testing for your samples received on 11/01/2011 is now complete. The report is attached as a PDF document.

Thank you for choosing TestAmerica Cedar Falls as your environmental laboratory. Our mission is to provide exceptional laboratory services and consistently reliable data to decision makers in the environmental market. We appreciate the opportunity to provide you with this service.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at:
https://secure.testamericainc.com/snaponline/surveylogin.asp?k=121632876991

If you have any questions or concerns, please feel free to contact me at the phone number or email address given below.

Sincerely,

Shirley Thompson
TestAmerica Cedar Falls
800-750-2401
Email: shirley.thompson@testamericainc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: 800-750-2401

TestAmerica Job ID: CUK0050
Client Project/Site: Flyash
Client Project Description: Beneficial Use

For:
CORN LP
1303 Hwy 3 East
Goldfield, IA 50542

Attn: Jenny Etheredge

Authorized for release by:
1/4/2012 9:17:15 AM

Shirley Thompson
Project Manager
shirley.thompson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CUK0050

Job ID: CUK0050

Laboratory: TestAmerica Cedar Falls

Narrative

Case Narrative: Amended Report. Beryllium results reported to the MDL 11/23/2011. Additional Amendments 11/29/2011 - Arsenic results were questioned on report issued 11/23/2011. Sample was re-prepared and re-analyzed in duplicate on 11/28/2011 at lower dilutions. Re-analysis results are included in 11/29/2011 Amended report. Report amended 12/15/11 original Arsenic analyses results removed from reports - original results were believed to be an analytical anomaly. Arsenic results from 11/28/2011 were confirmed by a second laboratory using ICP/MS methodology. Additional Amendments 1/4/2012 all previous versions of the report contained a data entry error for total solids, previous versions listed 80.3% for total solids -- the actual result for total solid should have been 100.3%. Amended report issued 1/4/2012 reports the correct total solids values and adjusts the total metals values by the correct total solids value.

Sample Summary

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CUK0050

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
CUK0050-01	Flyash	Misc. Solid	10/31/11 09:30	11/01/11 08:55
CUK1497-01	Flyash	Misc. Solid	10/31/11 09:30	11/01/11 08:55
CUK1497-02	Flyash	Misc. Solid	10/31/11 09:30	11/01/11 08:55

Client Sample Results

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CUK0050

Client Sample ID: Flyash
Date Collected: 10/31/11 09:30
Date Received: 11/01/11 08:55

Lab Sample ID: CUK0050-01
Matrix: Misc. Solid
Percent Solids: 100.3

Method: SW 7470A - SPLP Metals - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		KMD	11/04/11 18:30	1.00

Method: SW 7470A - TCLP Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Mercury	<0.00200		0.00200		mg/L		KMD	11/04/11 17:46	1.00

Method: SW 7471A - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Mercury	**0.0295**		0.0172		mg/kg dry		KMD	11/04/11 11:05	1.00

Method: SW 7041 - SPLP Metals - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Antimony	<0.00600		0.00600		mg/L		KMD	11/09/11 12:12	1.00

Method: SW 7060A - SPLP Metals - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Arsenic	<0.00900	RL1	0.00900		mg/L		SNS	11/15/11 21:20	1.00

Method: SW 7131A - SPLP Metals - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Cadmium	<0.000500		0.000500		mg/L		CJT	11/21/11 09:32	1.00

Method: SW 7421 - SPLP Metals - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Lead	<0.00400		0.00400		mg/L		KMD	11/18/11 09:10	1.00

Method: SW 7841 - SPLP Metals - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Thallium	<0.00300	RL1	0.00300		mg/L		SNS	11/12/11 18:57	1.00

Method: SW 7841 - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Thallium	<1.00		1.00		mg/kg dry		CJT	11/19/11 14:33	1.00

Method: SW 6010B - SPLP Metals - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Barium	**13.4**		0.300		mg/L		CJT	11/05/11 06:51	3.00
Beryllium	<0.0300	IE	0.0300		mg/L		CJT	11/05/11 06:51	3.00
Chromium	<0.0600	IE	0.0600		mg/L		CJT	11/05/11 06:51	3.00
Copper	<0.300	IE	0.300		mg/L		CJT	11/05/11 06:51	3.00
Selenium	<0.450	IE	0.450		mg/L		CJT	11/05/11 06:51	3.00

Method: SW 6010B - TCLP Metals - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Arsenic	<0.900	IE	0.900		mg/L		CJT	11/04/11 14:10	3.00
Barium	**11.2**		0.300		mg/L		CJT	11/04/11 14:10	3.00
Cadmium	<0.0600	IE	0.0600		mg/L		CJT	11/04/11 14:10	3.00
Chromium	<0.0600	IE	0.0600		mg/L		CJT	11/04/11 14:10	3.00
Lead	<0.300	IE	0.300		mg/L		CJT	11/04/11 14:10	3.00
Selenium	<0.450	IE	0.450		mg/L		CJT	11/04/11 14:10	3.00
Silver	<0.0600	IE	0.0600		mg/L		CJT	11/04/11 14:10	3.00

Client Sample Results

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CUK0050

Client Sample ID: Flyash

Date Collected: 10/31/11 09:30
Date Received: 11/01/11 08:55

Lab Sample ID: CUK0050-01
Matrix: Misc. Solid
Percent Solids: 100.3

Method: SW 6010B - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Antimony	<14.9	IE	40.0	14.9	mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Barium	206		4.00		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Beryllium	3.92	IE J	4.00	0.720	mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Boron	429		40.0		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Cadmium	<8.00	IE	8.00		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Chromium	37.3		8.00		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Copper	120		8.00		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Lead	<40.0	IE	40.0		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Manganese	93.4		4.00		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Molybdenum	<20.0	IE	20.0		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Nickel	29.5		20.0		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Selenium	<60.0	IE	60.0		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Silver	<8.00	IE	8.00		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Vanadium	140		20.0		mg/kg dry	¤	CJT	11/09/11 14:28	8.00
Zinc	55.4		8.00		mg/kg dry	¤	CJT	11/09/11 14:28	8.00

Method: SW 9045D - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
pH	12.1	C10 H3	0.100		pH Units		JCM	11/12/11 11:27	1.00

Method: SW 1311 - TCLP Extraction by EPA 1311 - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
TCLP Extraction Temp. Minimum	23.4				°C		TCH	11/02/11 10:17	1.00
TCLP Extraction Temp. Maximum	24.6				°C		TCH	11/02/11 10:17	1.00

Method: SW 1312 - SPLP General Chemistry Parameters - SPLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
SPLP Extraction Temp. Minimum	21.4				°C		TCH	11/03/11 09:06	1.00
SPLP Extraction Temp. Maximum	22.8				°C		TCH	11/03/11 09:06	1.00

Client Sample ID: Flyash

Date Collected: 10/31/11 09:30
Date Received: 11/01/11 08:55

Lab Sample ID: CUK1497-01
Matrix: Misc. Solid
Percent Solids: 100.3

Method: SW 7060A - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Arsenic	11.6		10.0		mg/kg dry	¤	SNS	11/28/11 21:31	10.0

Client Sample ID: Flyash

Date Collected: 10/31/11 09:30
Date Received: 11/01/11 08:55

Lab Sample ID: CUK1497-02
Matrix: Misc. Solid
Percent Solids: 100.3

Method: SW 7060A - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Arsenic	12.6		12.5		mg/kg dry	¤	SNS	11/28/11 21:27	12.5

Certification and Definitions Summary

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CUK0050

Certifications

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Cedar Falls	AIHA - LAP	IHLAP		101044
TestAmerica Cedar Falls	Illinois	NELAC	5	200024
TestAmerica Cedar Falls	Iowa	State Program	7	7
TestAmerica Cedar Falls	Kansas	NELAC	7	E-10341
TestAmerica Cedar Falls	Minnesota	NELAC	5	019-999-319
TestAmerica Cedar Falls	North Dakota	State Program	8	R-186
TestAmerica Cedar Falls	Oregon	NELAC	10	IA100001
TestAmerica Cedar Falls	Wisconsin	State Program	5	999917270

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Qualifiers

Metals-GFAA

Qualifier	Qualifier Description
RL1	Reporting limit raised due to sample matrix effects.

Metals-ICP

Qualifier	Qualifier Description
IE	Elevated reporting limit due to interelement interference.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

WetChem

Qualifier	Qualifier Description
C10	This result outside of calibration range of instrument.
H3	Sample was received and analyzed past holding time.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)

Method Summary

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CUK0050

Method	Method Description	Protocol	Laboratory
SW 1311	TCLP Extraction by EPA 1311		TAL CF
SW 1312	SPLP General Chemistry Parameters		TAL CF
SW 7470A	TCLP Metals		TAL CF
SW 7470A	SPLP Metals		TAL CF
SW 7471A	Total Metals by SW 846 Series Methods		TAL CF
SW 7041	SPLP Metals		TAL CF
SW 7060A	SPLP Metals		TAL CF
SW 7060A	Total Metals by SW 846 Series Methods		TAL CF
SW 7131A	SPLP Metals		TAL CF
SW 7421	SPLP Metals		TAL CF
SW 7841	SPLP Metals		TAL CF
SW 7841	Total Metals by SW 846 Series Methods		TAL CF
SW 6010B	TCLP Metals		TAL CF
SW 6010B	SPLP Metals		TAL CF
SW 6010B	Total Metals by SW 846 Series Methods		TAL CF
SM 2540 G	General Chemistry Parameters		TAL CF
SW 9045D	General Chemistry Parameters		TAL CF

Protocol References:

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL 800-750-2401

Cedar Falls
704 Enterprise Drive

Cedar Falls, IA 50613
phone 319.277.2401 fax 319.277.2425

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Linda Cmelik	Site Contact: Jenny Etheredge	Date: 10/31/11	COC No:
CORN, LP	Tel/Fax: 515-825-3933 x303	Lab Contact: Jenny Etheredge	Carrier: UPS	1 of 1 COCs
1303 Highway 3 East, PO Box 280	Analysis Turnaround Time			Job No.
Goldfield, IA 50542	Calendar (C) or Work Days (W) _____			
(515) 825-3933 x303 Phone	TAT if different from Below _____			SDG No.
(515) 825-3905 FAX	☒ 2 weeks			
Project Name: Beneficial Use	☐ 1 week			
Site: CORN, LP	☐ 2 days			
P O # JE63925	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Beneficial Use	Sample Specific Notes:
Flyash	10/31/2011	9:30	Solid	Solid	1	N 1	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☒ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Perform all tests listed on Quote ID Beneficial Use, a copy of which is enclosed. The IDNR has requested the use of Methods 1311, 1312, 6010, 7060, 7091, 7471 and 7841. Detection limits must be below regulatory limits. Refer to the enclosed document from the IDNR for regulatory testing limits. Please contact Jenny Etheredge at jetheredge@cornlp.com or 515-825-3933 x303 with any questions.

Relinquished by:	Company: CORN, LP	Date/Time: 10/31/11 12:30	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company: TA-DF	Date/Time: 11/1/11 855

Attachment 11 Page 10 of 11

1/4/2012

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

704 ENTERPRISE DRIVE • CEDAR FALLS, IA 50613
800-750-2401 • 319-277-2425 FAX

Sample Receipt and Temperature Log Form

Client: Corn LP Project: _____

City: _____

Date: 11-1-11 Receiver's Initials: CH Time (Delivered): 8:55

Temperature Record:

Cooler ID# (If Applicable)
in box

_____ °C / ~~On Ice~~ Packs

Thermometer:

- [ ] IR - 111531565 'D'
- [ ] IR - 111531506 'E'
- [ ] IR - 61854108 'Front'
- [ ] 101681126

Courier:

- [x] UPS
- [ ] FedEx
- [ ] FedEx Ground
- [ ] US Postal Service
- [ ] Spee-Dee
- [ ] TA Courier
- [ ] TA Field Services
- [ ] Client
- [ ] Other _____

- [ ] Temp Blank
- [ ] Temperature out of compliance

Custody seals present?
- [ ] Yes

Custody seals intact?
- [ ] Yes
- [ ] No

- [ ] Non-Conformance report started

Exceptions Noted

- [x] Sample(s) not received in a cooler.
- [ ] Samples(s) received same day of sampling.
  - [ ] Evidence of a chilling process
- [ ] No Temp. Blank. Inside temperature of cooler recorded.
- [x] Temperature not taken:

_____

***Refer to SOP CF-SS-01 for Temperature Criteria**

F:\DeimerlyC\QA Folder\QA Forms & Log Book pgs\Cooler Receipt rev17.doc

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: 800-750-2401

TestAmerica Job ID: CVG0453
Client Project/Site: Flyash
Client Project Description: Beneficial Use

For:
CORN LP
1303 Hwy 3 East
Goldfield, IA 50542

Attn: Jenny Etheredge

Linda Cmelik

Authorized for release by:
7/31/2012 8:15:33 AM
Linda Cmelik
Project Manager
linda.cmelik@testamericainc.com

Designee for

Shirley Thompson
Project Manager
shirley.thompson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Case Narrative

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CVG0453

Job ID: CVG0453

Laboratory: TestAmerica Cedar Falls

Narrative

Case Narrative: Amended Report. This report was amended to report the Arsenic and Beryllium result that was analyzed at TestAmerica Savannah Laboratory per client request.

Sample Summary

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CVG0453

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
CVG0453-01	Flyash	Misc. Solid	07/05/12 12:10	07/10/12 13:30

Client Sample Results

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CVG0453

Client Sample ID: Flyash

Date Collected: 07/05/12 12:10
Date Received: 07/10/12 13:30

Lab Sample ID: CVG0453-01

Matrix: Misc. Solid
Percent Solids: 100.0

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Arsenic	11		0.50	0.20	mg/Kg	¤	BR	07/25/12 22:35	1
Beryllium	2.6		0.10	0.050	mg/Kg	¤	BR	07/25/12 22:35	1

Method: SW 6010B - Total Metals by SW 846 Series Methods

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyst	Analyzed	Dil Fac
Barium	829		4.50		mg/kg dry	¤	CJT	07/12/12 21:47	9.00

Certification and Definitions Summary

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CVG0453

Laboratory: TestAmerica Cedar Falls

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
AIHA - LAP	IHLAP		101044	11-01-12
Illinois	NELAC	5	200024	11-29-12
Iowa	State Program	7	7	12-01-13
Kansas	NELAC	7	E-10341	01-31-13
Minnesota	NELAC	5	019-999-319	12-31-12
North Dakota	State Program	8	R-186	09-30-12
Oregon	NELAC	10	IA100001	09-30-12
Wisconsin	State Program	5	999917270	08-31-12

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		0399-01	02-28-13
A2LA	ISO/IEC 17025		399.01	02-28-13
Alabama	State Program	4	41450	08-15-12
Alaska (UST)	State Program	10	UST-104	06-19-13
Arkansas DEQ	State Program	6	88-0692	02-01-12
California	NELAC	9	3217CA	07-31-13
Colorado	State Program	8	N/A	12-31-12
Connecticut	State Program	1	PH-0161	03-31-13
Florida	NELAC	4	E87052	06-30-13
GA Dept. of Agriculture	State Program	4	N/A	12-31-12
Georgia	State Program	4	N/A	06-30-13
Georgia	State Program	4	803	06-30-12
Guam	State Program	9	09-005r	04-17-12
Hawaii	State Program	9	N/A	06-30-12
Illinois	NELAC	5	200022	11-30-12
Indiana	State Program	5	N/A	06-30-12
Iowa	State Program	7	353	07-01-13
Kentucky	State Program	4	90084	12-31-12
Kentucky (UST)	State Program	4	18	02-28-13
Louisiana	NELAC	6	30690	06-30-13
Louisiana	NELAC	6	LA100015	12-31-12
Maine	State Program	1	GA00006	08-16-14
Maryland	State Program	3	250	12-31-12
Massachusetts	State Program	1	M-GA006	06-30-12
Michigan	State Program	5	9925	06-30-12
Mississippi	State Program	4	N/A	06-30-10
Montana	State Program	8	CERT0081	12-31-12
Nebraska	State Program	7	TestAmerica-Savannah	06-30-12
New Jersey	NELAC	2	GA769	06-30-12
New Mexico	State Program	6	N/A	06-30-13
New York	NELAC	2	10842	04-01-13
North Carolina DENR	State Program	4	269	12-31-13
North Carolina DHHS	State Program	4	13701	07-31-12
Oklahoma	State Program	6	9984	08-31-12
Pennsylvania	NELAC	3	68-00474	06-30-13
Puerto Rico	State Program	2	GA00006	01-01-13
Rhode Island	State Program	1	LAO00244	12-30-12
South Carolina	State Program	4	98001	06-30-12
Tennessee	State Program	4	TN02961	06-30-13
Texas	NELAC	6	T104704185-08-TX	11-30-12

Certification and Definitions Summary

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CVG0453

Laboratory: TestAmerica Savannah (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
USDA	Federal		SAV 3-04	04-07-14
Vermont	State Program	1	87052	11-16-12
Virginia	NELAC	3	460161	06-14-13
Washington	State Program	10	C1794	06-10-13
West Virginia	State Program	3	9950C	12-31-12
West Virginia DEP	State Program	3	94	06-30-12
Wisconsin	State Program	5	999819810	08-31-12
Wyoming	State Program	8	8TMS-Q	06-30-12

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)

Method Summary

Client: CORN LP
Project/Site: Flyash

TestAmerica Job ID: CVG0453

Method	Method Description	Protocol	Laboratory
6020	Metals (ICP/MS)	SW846	TAL SAV
SW 6010B	Total Metals by SW 846 Series Methods		TAL CF
Moisture	Percent Moisture	EPA	TAL SAV
SM 2540 G	General Chemistry Parameters		TAL CF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL 800-750-2401

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Cedar Falls
704 Enterprise Drive

Cedar Falls, IA 50613
phone 319.277.2401 fax 319.277.2425

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Shirley Thompson	Site Contact: Jenny Etheredge	Date: 07/06/2012	COC No:
CORN, LP	Tel/Fax: 515-825-3933 x303	Lab Contact: Jenny Etheredge	Carrier: USPS	1 of 1 COCs
1303 Highway 3 East, PO Box 280	Analysis Turnaround Time			Job No.
Goldfield, IA 50542	Calendar (C) or Work Days (W) _____			
(515) 825-3933 x303 Phone	TAT if different from Below _____			SDG No.
(515) 825-3905 FAX	☒ 2 weeks			
Project Name: Beneficial Use	☐ 1 week			
Site: CORN, LP	☐ 2 days			
P O # 77537	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Total Metal Only - Arsenic	Total Metal Only - Barium	Total Metal Only - Beryllium	Sample Specific Notes:
Flyash	7/5/2012	12::10 PM	Solid	Solid	1	1	1	1	Total Metals Testing Only.

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☒ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Total metals testing only, not TCLP or SPLP. Use EPA Methods 6010, 7041, and 7091. Detection limits must be below regulatory limits. Refer to the enclosed document from the IDNR for regulatory testing limits. Please contact Jenny Etheredge at jetheredge@cornlp.com or 515-825-3933 x303 with any questions.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	CORN, LP	7/6/12 16:28	[signature]	TA	7/10/12 13:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

704 ENTERPRISE DRIVE • CEDAR FALLS, IA 50613
800-750-2401 • 319-277-2425 FAX

Sample Receipt and Temperature Log Form

Client: Corn LP Project: _____

City: Goldfield

Date: 7/10/12 Receiver's Initials: _____ Time (Delivered): 13:30

Temperature Record:

Cooler ID# (If Applicable) _____

_____ °C / On Ice

Thermometer:

- [ ] IR - 111531565 'D'
- [ ] IR - 111531506 'E'
- [ ] IR - 61854108 'Front'
- [ ] 101681126

Courier:

- [ ] UPS
- [ ] FedEx
- [ ] FedEx Ground
- [x] US Postal Service
- [ ] Spee-Dee
- [ ] TA Courier
- [ ] TA Field Services
- [ ] Client
- [ ] Other _____

- [ ] Temp Blank
- [ ] Temperature out of compliance

Custody seals present?
- [ ] Yes

Custody seals intact?
- [ ] Yes
- [ ] No

- [ ] Non-Conformance report started

Exceptions Noted

- [ ] ~~Sample~~(s) not received in a cooler.
- [ ] Samples(s) received same day of sampling.
- [ ] Evidence of a chilling process
- [ ] No Temp. Blank. Inside temperature of cooler recorded.
- [ ] ~~Temp~~erature not taken: Solid

*Refer to SOP CF-SS-01 for Temperature Criteria

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Cedar Falls
704 Enterprise Drive
Cedar Falls, IA 50613
Tel: 800-750-2401

TestAmerica Job ID: CVH1394
Client Project/Site: [none]
Client Project Description: Analytical Testing

For:
CORN LP
1303 Hwy 3 East
Goldfield, IA 50542

Attn: Jenny Etheredge

Linda Cmelik

Authorized for release by:
8/23/2012 3:39:59 PM
Linda Cmelik
Project Manager
linda.cmelik@testamericainc.com

Designee for

Shirley Thompson
Project Manager
shirley.thompson@testamericainc.com

LINKS

Review your project results through
TotalAccess

Have a Question?
Ask The Expert

Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: CORN LP
Project/Site: [none]

TestAmerica Job ID: CVH1394

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
CVH1394-01	Combustor Tram	Misc. Solid	08/21/12 14:45	08/22/12 09:00

Client Sample Results

Client: CORN LP
Project/Site: [none]

TestAmerica Job ID: CVH1394

Client Sample ID: Combustor Tram
Date Collected: 08/21/12 14:45
Date Received: 08/22/12 09:00

Lab Sample ID: CVH1394-01
Matrix: Misc. Solid

Method: SW 1030 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate - Preliminary Test	Pass		2.20		mm/sec		08/23/12 12:14	08/23/12 12:17	1.00

Lab Chronicle

Client: CORN LP
Project/Site: [none]

TestAmerica Job ID: CVH1394

Client Sample ID: Combustor Tram
Date Collected: 08/21/12 14:45
Date Received: 08/22/12 09:00

Lab Sample ID: CVH1394-01
Matrix: Misc. Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	NO PREP - WET CHEM			12H1098_P	08/23/12 12:14	JCF	TAL CF
Total	Analysis	SW 1030		1.00	12H1098	08/23/12 12:17	JCF	TAL CF

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL 800-750-2401

Definitions/Glossary

Client: CORN LP
Project/Site: [none]

TestAmerica Job ID: CVH1394

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: CORN LP
Project/Site: [none]

TestAmerica Job ID: CVH1394

Laboratory: TestAmerica Cedar Falls

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
AIHA - LAP	IHLAP		101044	11-01-12
Illinois	NELAC	5	200024	11-29-12
Iowa	State Program	7	7	12-01-13
Kansas	NELAC	7	E-10341	01-31-13
Minnesota	NELAC	5	019-999-319	12-31-12
North Dakota	State Program	8	R-186	09-30-12
Oregon	NELAC	10	IA100001	09-30-12
Wisconsin	State Program	5	999917270	08-31-12

Method Summary

Client: CORN LP
Project/Site: [none]

TestAmerica Job ID: CVH1394

Method	Method Description	Protocol	Laboratory
SW 1030	General Chemistry Parameters		TAL CF

Protocol References:

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL 800-750-2401

Cedar Falls
704 Enterprise Drive

Cedar Falls, IA 50613
phone 319.277.2401 fax 319.277.2425

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Linda Cmelik	Site Contact: Jennifer Etheredge	Date: 08/21/2012	COC No:
CORN, LP	Tel/Fax: 515-825-3161	Lab Contact: Jennifer Etheredge	Carrier: UPS	1 of 1 COCs
1303 Highway 3 East, PO Box 280	Analysis Turnaround Time			Job No.
Goldfield, IA 50542	Calendar (C) or Work Days (W)			
(515) 825-3161 Phone	TAT if different from Below			
FAX	☐ 2 weeks			SDG No.
Project Name:	☐ 1 week			
Site: CORN, LP	☐ 2 days			
PO# 79616	☒ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Method 1030 Spontaneous Burn Rate Te	Sample Specific Notes:
Combustor Tram	8/21/2012	14:45	Solid	Solid	1 N	1	See special instructions below.

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☒ *Skin Irritant* *Poison B* ☐ *Unknown* ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Special Instructions/QC Requirements & Comments: Perform a Method 1030 Spontaneous Burn Rate Test on this sample. Contact Jennifer Etheredge (515-825-3933 x303) or Andy Miller (515) 825-3933 x301 with any questions.

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	CORN, LP	8/21/12 1500	[signature]	TA	8/22/12 9:10
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

704 ENTERPRISE DRIVE • CEDAR FALLS, IA 50613
800-750-2401 • 319-277-2425 FAX

1 2 3 4 5 6 7 8 9

Sample Receipt and Temperature Log Form

Client: Corn LP Project: _____

City: Gold field

Date: 8/21/12 Receiver's Initials: C Time (Delivered): 9:00

Temperature Record:

Cooler ID# (If Applicable)

_____

_____ **°C / On Ice**

Thermometer:

- [ ] IR - 111531565 'D'
- [ ] IR - 111531506 'E'
- [ ] IR - 61854108 'Front'
- [ ] 101681126

Courier:

- [x] UPS
- [ ] FedEx
- [ ] FedEx Ground
- [ ] US Postal Service
- [ ] Spee-Dee
- [ ] TA Courier
- [ ] TA Field Services
- [ ] Client
- [ ] Other _____

- [ ] Temp Blank
- [ ] Temperature out of compliance

Custody seals present?
- [ ] Yes

Custody seals intact?
- [ ] Yes
- [ ] No

- [ ] Non-Conformance report started

Exceptions Noted

- [x] Sample(s) not received in a cooler.
- [ ] Samples(s) received same day of sampling.
  - [ ] Evidence of a chilling process
- [ ] No Temp. Blank. Inside temperature of cooler recorded.
- [x] Temperature not taken: Solid

***Refer to SOP CF-SS-01 for Temperature Criteria**

F:\DeimerlyC\QA Folder\QA Forms & Log Book pgs\Cooler Receipt rev17.doc

Jebro Incorporated
Bill Of Lading

Reference Number **527012178**

~~132820~~

Date 03/19/2012
Truck 527
Route Fort Dodge

MOTOR CARRIER BILL OF LADING
Received, subject to tariffs and/or contract in effect on date of issurance hereof.

Cust. P.O. NO.
EPA I.D. NO IAD020201604
US DOT NO. 245090
US DOT HAZMAT REG. NO. 052708 550 075Q
EMERGENCY TELEPHONE NO. 1-800-424-9300
Consigned to or sold to:
Jebro Incorporated, 1-800-231-8555

Customer: EPA ID: n/a
Corn, LP
1303 Hwy 3 East
Goldfield, IA 50542

Product	Shipping Description		Gallons or Units	Price	Amount
Used Oil	Used Oil	270	Gal	$0.00	$0.00

Amount Due: $0.00

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation. According to the applicable regulations of the department of transportation.

GENERATOR'S REPRESENTATION

The generator hereby warrants that the material released to the carrier is represented free of hazardous waste under RCRA. Misrepresentation of this material is the generator's legal and financial responsibility to correct the damages.

"This shipment shall be governed by (A) the contract between shipper and carrier, or (B) the terms of the applicable bill of lading form described in the National Motor Freight Classification No. A(. MF-1. C.-9, supplements thereto or reissues thereof, if carrier is a common carrier in a state where the bills of lading have been legally prescribed, this shipment shall be governed by the terms of the applicable bill of lading."

"Carrier certifies that the cargo tank supplied for this shipment is a proper container for this commodity as described by the shipper."

SHIPPER:

CARRIER: Mike Stoyes

Jebro Incorporated, 2303 Bridgeport Drive, Sioux City, IA 51111, (712) 277-8859

Jebro Incorporated
Bill Of Lading

Reference Number 539004323
123286

Date 05/03/2011
Truck 539
Route Fort Dodge

MOTOR CARRIER BILL OF LADING
Received, subject to tariffs and/or contract in effect on date of issurance hereof.

Cust. P.O. NO.
EPA I.D. NO IAD020201604
US DOT NO. 245090
US DOT HAZMAT REG. NO. 052708 550 075Q
EMERGENCY TELEPHONE NO. 1-800-424-9300
Consigned to or sold to:
Jebro Incorporated, 1-800-231-8555

EPA ID: n/a
Customer: Com, LP
1303 Hwy 3 East
Goldfield, IA 50542

Product	Shipping Description		Gallons or Units	Price	Amount
Used Oil	Used Oil	400	Gal	$0.00	$0.00

Amount Due: $0.00

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation. According to the applicable regulations of the department of transportation.

GENERATOR'S REPRESENTATION

The generator hereby warrants that the material released to the carrier is represented free of hazardous waste under RCRA. Misrepresentation of this material is the generator's legal and financial responsibility to correct the damages.

"This shipment shall be governed by (A) the contract between shipper and carrier, or (B) the terms of the applicable bill of lading form described in the National Motor Freight Classification No. A(. MF-1. C.-9, supplements thereto or raissues thereof, if carrier is a common carrier in a state where the bills of lading have been legally prescribed, this shipment shall be governed by the terms of the applicable bill of lading."

"Carrier certifies that the cargo tank supplied for this shipment is a proper container for this commodity as described by the shipper."

SHIPPER:

CARRIER:

Jebro Incorporated, 2303 Bridgeport Drive, Sioux City, IA 51111, (712) 277-8859

1133431-15119

HAZMAT BILL OF LADING/MANIFEST

1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	1	(800)326-1221	1133431-15119

5. Offeror's Name and Mailing Address
CORN LP / JENNIFER ETHEREDGE
1303 HIGHWAY 3 EAST
GOLDFIELD, IA 50542
(515)825-3933
Offeror's Phone:

Offeror's Site Address (if different than mailing address)
CORN LP / JENNIFER ETHEREDGE
1303 HIGHWAY 3 EAST
GOLDFIELD, IA 50542
GEN: 103985 SURVEY: 100089

6. Transporter 1 Company Name
HERITAGE TRANSPORT, LLC
U.S. EPA ID Number: IND058484114

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

8. Designated Facility Name and Site Address
HERITAGE-WTI, INC.
1250 SAINT GEORGE STREET
EAST LIVERPOOL, OH 43920
Facility's Phone: (330)385-7336
U.S. EPA ID Number: OHD980613541

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.
X	1. UN3264,CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.,8, PGII,(SULFURIC ACID, CHROMIUM, SILVER SULFATE),ERG#154, (1x20qDF)	1	DF	85	P
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.600_W2_0518252 (1)11063328

+91574 [1331464]

14. 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.

Offeror's Printed/Typed Name: Jennifer R Etheredge | Signature: [signature] | Month 12 | Day 8 | Year 09

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James LaMere | Signature: [signature] | Month 12 | Day 8 | Year 09

Transporter 2 Printed/Typed Name: | Signature: | Month | Day | Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: Bill Autry | Signature: [signature] | Month 12 | Day 9 | Year 10

OFFEROR

TRANSPORTER

DESIGNATED FACILITY

Attachment B Page 1 of 3

DESIGNATED FACILITY TO OFFEROR

OK 1285664-15119

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of 1	3. Emergency Response Phone (800)326-1221	4. Tracking Number 1285664-15119

5. Offeror's Name and Mailing Address
CORN CP / JENNIFER ETHEREDGE
1303 HIGHWAY 3 EAST
GOLDFIELD, IA 50542
(515)825-3933
Offeror's Phone:

Offeror's Site Address (if different than mailing address)
CORN CP / JENNIFER ETHEREDGE
1303 HIGHWAY 3E
GOLDFIELD, IA 50542
GEN: 103985 SURVEY: 108665

6. Transporter 1 Company Name: HERITAGE TRANSPORT, LLC — U.S. EPA ID Number: IND058484114

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

8. Designated Facility Name and Site Address
HERITAGE-WTI, INC.
1250 SAINT GEORGE STREET
EAST LIVERPOOL, OH 43920
(330)385-7336
Facility's Phone:
U.S. EPA ID Number: OHD980613541

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.
X	1. UN1992,FLAMMABLE LIQUIDS, TOXIC, N.O.S.,3(6.1),PGII, (ETHANOL,METHANOL,SULFUR DIOXIDE),ERG#131,(1x20gDF)	1	DF	85	P
X	2. UN3264,CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S.,8, PGII,(SULFURIC ACID, CHROMIUM, SILVER SULFATE),ERG#154, (1x5gDF)	1	DF	28	P
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.600_WS_Q575406 2.600_W2_Q518252 (1)11464496 (2)11464439

T962264

ERI:HERITAGE [1438776]

14. **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.

Offeror's Printed/Typed Name: Jennifer Etheredge — Signature: Jen Etheredge — Month 11 Day 3 Year 10

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dennis K Wallace — Signature: Dennis K Wallace — Month 11 Day 3 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name: JOE BURKE — Signature: Joe Burke — Month 11 Day 24 Year 10

OFFEROR — TRANSPORTER — DESIGNATED FACILITY

DESIGNATED FACILITY TO OFFEROR

Attachment 15 Page 2 of 3

HERITAGE-WTI, Inc.

1250 St. George Street
East Liverpool, Ohio 43920-3400
Phone: 330-385-7337
Fax: 330-385-7813
Web Site: www.heritage-wti.com

ISO 9001 HERITAGE-WTI ISO 14001

August 11, 2009

Corn LP
1303 Highway 3E
Goldfield, IA 50542

RE:	Generator ID Number:	Exempt
	Waste Profile:	103985-2
	Waste Name:	LABPACK

Dear Jennifer Etheredge

HES-WTI is providing you this written notice in accordance with 40 CFR 264.12(b) and OAC 3745-54-12(B). Under these regulations, the owner and operator of a treatment, storage, and disposal facility (TSDF) that receives hazardous waste from an off-site generator must inform the generator, in writing, that they have the appropriate permits and will accept the waste that the generator is shipping.

Heritage coordinated the approval of wastestream 103985-2 into our facility. HES-WTI has the appropriate permits and will accept wastestream 103985-2.

This waste will be treated on-site at HES-WTI's East Liverpool, Ohio facility.

Sincerely,

Zambia Logero

Zambia Logero
Waste Approval Manager
Heritage

Recyled Paper

Parts washer cleaning fluid
CORN, L.P.

MSDS
ORDER NO: RELEASE NO: MSDS NO:

B A R N E S D I S T R I B U T I O N

Synonyms: 26273
**** MATERIAL SAFETY DATA SHEET ****
SMARTWASHER OZZYMAT FL-3 FLUID ACTIVATION MAT

SEC 1 - PRODUCT AND COMPANY INFO SEC 9 - PHYS, CHEM PROPERTIESSEC 2 - COMPOSITION INFORMATION SEC 10 - STABILITY, REACTIVITYSEC 3 - HAZARDS IDENTIFICATION SEC 11 - TOXICOLOGY INFORMATIONSEC 4 - FIRST AID MEASURES SEC 12 - ECOLOGICAL INFORMATIONSEC 5 - FIRE FIGHTING MEASURES SEC 13 - OTHER INFORMATIONSEC 6 - ACCIDENTAL RELEASE MEASURES SEC 14 - TRANSPORT INFORMATIONSEC 7 - HANDLING AND STORAGE SEC 15 - REGULATORY INFORMATIONSEC 8 - EXPOSURE, PERS. PROTECTION SEC 16 - ADDITIONAL INFORMATION

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****
MSDS Name: SMARTWASHER OZZYMAT FL-3 FLUID ACTIVATION MAT
Product CAS: (none)
Product Code:
Synonyms: 26273; SMARTWASHER OZZYMAT FL-3 FLUID ACTIVATION MAT
Company Identification:
Name: CHEMFREE CORPORATION
Address: 8 MECA WAY
Address:
City: NORCROSS State: GA Zip: 30093
For information, call: HEALTH ISSUES AND TECHNICAL INFORMATION (8AM-5PM ET): 1-216-416-7200 X 5860
Emergency Number: ROCKY MOUNTAIN POISON CONTROL CENTER (24 HOURS EVERYDAY): 1-303-623-5716
Emergency Agency: CHEMTREC (24 HOURS EVERYDAY):
Number: 1-800-424-9300
MSDS Creation Date: 7/28/2004
Supersedes Date:
Return to top

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Chemical Name	CAS	MIN	MAX
Miscellaneous:			
HAZARDOUS INGREDIENTS			
%			
NON HAZARDOUS HYDROCARBON DEGRADER MIXED BACTERIAL CULTURES IN A VEGATABLE BASE.	100		

Lbs of VOC per Gallon Coating (minus water): 0
Coating Density (lbs/gal): 0
Solvent Density (lbs/gal): 0
Percent Solvent (volume): 0
Percent Solids (volume): 0
Percent Water (volume): 0
Return to top

**** SECTION 3 - HAZARDS IDENTIFICATION ****
NFPA: Health: Fire: Reactivity: Other:
HMIS: Health: 0 Fire: 0 Reactivity: 0 Special Protection:
Miscellaneous:

POTENTIAL HEALTH EFFECTS
Target Organs:

Eye:
IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED; IF ADVERSE EFFECTS OCCUR, RINSE EYES WITH LARGE AMOUNTS OF WATER NTIL NO EVIDENCE OF
CHEMICAL REMAINS. SEEK MEDICAL ATTENTION IF NECESSARY.
Skin:
RINSE AFFECTED AREA WITH LARGE AMOUNTS OF WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS. SEEK MEDICAL ATTENTION IF NECESSART.
Ingestion:
TREAT SYMPTOMATICALLY AND SEEK MEDICAL ATTENTION IF NECESSARY. DO NOT INGEST.
Inhalation:
REMOVE TO FRESH AIR AND OBSERVE. SEEK MEDICAL ATTENTION IF NECESSARY.
Miscellaneous:

Return to top

**** SECTION 4 - FIRST AID MEASURES ****
Eye:
IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED; IF ADVERSE EFFECTS OCCUR, RINSE EYES WITH LARGE AMOUNTS OF WATER UNTIL NO EVIDENCE OF
CHEMICAL REMAINS. SEEK MEDICAL ATTENTION IF NECESSARY.
Skin:
IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED; IF ADVERSE EFFECTS OCCUR, RINSE AFFECTED AREA WITH LARGE AMOUNTS OF WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS. SEEK MEDICAL ATTENTION IF NECESSARY.
Ingestion:
IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED; IF ADVERSE EFFECTS OCCUR, TREAT SYMPTOMATICALLY AND SEEK MEDICAL ATTENTION IF NECESSARY.
Inhalation:
IT IS UNLIKELY THAT EMERGENCY TREATMENT WILL BE REQUIRED; IF ADVERSE EFFECTS OCCUR, REMOVE TO FRESH AIR AND OBSERVE. SEEK MEDICAL ATTENTION IF
NECESSARY.
Notes to Physician:
Return to top

**** SECTION 5 - FIRE FIGHTING MEASURES ****

Unusual Fire and Explosion Hazards:
NONE
Special Fire Fighting Procedures:
NONE
Extinguishing Media:
NONE
Flash Point:
NONE
Flammable Limits:
Lower Limit:
(%): LEL N.A.
Upper Limit:
(%): UEL N.A.
AutoIgnition Temperature:
N/A
General Information:
METHOD USED: OPEN CUP
Return to top

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****
Disposal:
DISPOSE OF IN ACCORDANACE WITH LOCAL AND FEDERA LREGULATIONS.
Spills/Leaks:
IF RELEASED OR SPILLED, SWEEP UP/COLLECT.
Return to top

**** SECTION 7 - HANDLING and STORAGE ****
Handling:
KEEP CONTAINER CLOSED WHEN NOT IN USE. FOLLOW LABEL INSTRUCTIONS.
Storage:
NO SPECIAL PRECAUSTIONS ARE REQUIRED. THIS PRODUCT IS NOT HAZARDOUS FOR STORAGE AND TRANSPORT ACCORDING TO THE U.S. DEPARTMENT OF TRANSPORATATION REGULATIONS.
Return to top

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****
Engineering Controls:
LOCAL EXHAUST: NOT REQUIRED.
MECHANICAL: NOT REQUIRED.
Eyes:
IT IS RECOMMENDED THAT SAFETY GLASSES BE WORN WHEN HANDLING INDUSTRIAL-USE PRODUCTS.
Skin:
IT IS RECOMMENDED THAT RUBBER GLOVES BE WORN WHEN HANDLING INDUSTRIAL-USE PRODUCTS.
Clothing:
OTHER PROTECTIVE EQUIPMENT: ALWAYS USE GOOD HOUSEKEEPING PROCEDURES WHEN USING ANY CHEMICAL PRODUCT.
Respirators:

NOT REQUIRED.
Return to top

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****
Appearance/Odor:
SOLID FILTER WITH GRANULAR POWDER; BUFF TO BRONW COLOR IN THE MIDDLE.
pH: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Evaporation Rate: N/A
Viscosity: N/A
Boiling Point: N/A
Freezing/Melting Point: N/A
Decomposition Temperature: N/A
Solubility: N/A
Specific Gravity: .5
Molecular Formula: N/A
Molecular Weight: N/A
Miscellaneous:
PERCENT VOLATILE BY VOLUME: N.D.
MAX. % VOC BY WEIGHT: N.A.
Return to top

**** SECTION 10 - STABILITY AND REACTIVITY ****
Chemical Stability:
STABLE.
Conditions to Avoid:
AVOID EXPOSURE TO MOISTURE. DO NOT WET UNTIL READY TO USE,

Incompatibilities with Other Materials:
WATER SHOULD BE AVOIDED UNTIL MAT IS INSTALLED.
Hazardous Decomposition Products:
N.A.
Hazardous Polymerization:
WILL NOT OCCUR.
Return to top

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****
Toxicological Information:
48 HOURS LC50 VALUE IN MG/L
Return to top

**** SECTION 12 - ECOLOGICAL INFORMATION ****
Ecological Information:
NO DATA

Return to top

**** SECTION 13 - OTHER PRECAUTIONS ****
Other Precautions:
KEEP THIS AND ALL CHEMICALS OUT OF THE REACH OF SMALL CHILDREN.

HANDLER INFORMATION REPORT

October 30, 2012

Procedures for Inspectors/Investigators/etc. performing Site Visits

Present the Facility representative with a copy of their:

- Handler Information Report (attached)
- Copy of the current Notification Form (attached)
- Copy of the current Notification Booklet (attached)

Our instructions to them are printed on their Handler Information Report - and should be self explanatory. If the facility wants to revise their Handler Information Report, they can do so and mail it back to EPA - or have the inspector deliver it.

If during the course of the site visit, the inspector/investigator becomes aware of any changes which should be made to the information printed on this form, please make the corrections and return the form to: Beth Koesterer, AWMD/WEMM.

EPA RCRA ID Number: IAR000517458 - ADMINISTRATIVE ID NUMBER - DO NOT RELEASE

Name of Company/Site: CORN LP - ADMINISTRATIVE ID# - DO NOT RELEASE
Location of Site: 1303 HWY 3 E
GOLDFIELD, IA 50542
WRIGHT County

Land Type:

NAICS: 325193 ETHANOL, NON PATABLE, MANUFACTURING

Mailing Address: PO BOX 280
GOLDFIELD, IA 50542

Site Contact: ANDY MILLER
Job Title: PLANT MANAGER
Phone Number: 515-825-3933
E-mail:
Address:

Current Owner of Site:
Address:

Phone Number:
Owner Type:
Date Became Owner:

Current Operator of Site:
Address:

Operator Type:
Date Became Operator:

TYPE(S) OF REGULATED ACTIVITY: CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

Hazardous Wastes Handled: D002 D001

Date of Site Visit: NOVEMBER 7-8, 2012

Name of Inspector (Please print): GLENN CHERRY

(Check one): ☐ EPA R7 ENSV ☐ EPA R7 Contractor ☒ NOWCC/SEE Investigator

Signature of Inspector: Glenn Cherry

Attachment 17 Page 1 of 1

DIGITAL IMAGE CHAIN OF CUSTODY FOR "ARCHIVAL" ORIGINAL IMAGES

IMAGE RECORD

PHOTOGRAPHER **Civil Investigator Glenn Cherry**	INCIDENT NUMBER/Facility EPA identification number IAR000517458
DATE PHOTOS TAKEN November 7-8, 2012	IMAGE NUMBERS FOR THIS INCIDENT 3821 thru 3839
LOCATION(S) PHOTOS TAKEN 1303 East Highway 3 Goldfield, IA 50542	THESE IMAGES HAVE NOT BEEN CHANGED, ALTERED OR MANIPULATED IN ANY WAY
COMMENTS	SIGNATURE OF PHOTOGRAPHER Glenn Cherry 11-26-12

ACCESS RECORD

Name	Organization/Division	Phone Number	

FACILITY PHOTOGRAPH LOG

1. Photographer Civil Investigator Glenn Cherry
2. Facility Name **Corn, LP**
3. Facility EPA Identification Number **IAR000517458 (Administrative Number)**
4. Type of Camera Used Canon PowerShot G6, Serial Number 9121104676
5. Digital recording media Flash Card
6. All photos were copied by Glenn Cherry
7. All digital photos were copied To CD-R
8. Original Copy is stored in **CD ROM**
9. **Log**

Date	Time (Camera recorded time)	Photo Filename	Modifications made to digital image (if any)	Description of Image
11/7/12	1023	3821	None	Picture of the site identification photo cover sheet, and the initial inspection photo for Corn, LP
11/7/112	1032	3822	None	CBI - Fume hood in the laboratory. The two bottles on the left are both marked as hazardous waste. One is D001 ignitable, and the other is D002 corrosive.
11/7/12	1051	3823	None	CBI - Moveable hopper at the northwest corner of the combustor. The hopper catches combustor tram (crushed limestone that has been heated to approximately 1500 degrees F. The combustor tram falls onto a shaker screen which vibrates the larger material to the hopper
11/7/12	1053	3824	None	CBI - Large pile of combustor tram which will be kept at Corn, LP until it is authorized to be landfilled in a sanitary landfill.
11/7/12	1054	3825	None	CBI - Closeup of combustor tram. The largest tram (near the top of the photo) is approximately the size of a tennis ball.
11/7/12	1056	3826	None	CBI - 20-yard dumpster containing tram. The dumpster is furnished by Trash Man, and previously had been picked up routinely and transported to the Wright County Waste Transfer Station.
11/7/12	1056	3827	None	CBI - Second view of the 20-yard dumpster showing the relationship to the dry distiller and screen building on the left
11/7/12	1058	3828	None	CBI - The smaller building in the center, at the end of the conveyor, is the combustor.
11/7/12	1058	3829	None	CBI - Boiler in the center, combustor on the right, fly ash bag house on the left.

Date	Time (Camera recorded time)	Photo Filename	Modifications made to digital image (if any)	Description of Image
11/7/12	1058	3830	None	CBI -The two silos on the left are for coal. The silo on the fight is for storage of fly ash, and the building under it is the fly ash loadout building.
11/7/12	1104	3831	None	CBI - Aqueous parts washer located in the maintenance shop.
11/7/12	1107	3832	None	CBI - 250 gallon used oil storage tote, holding approximately 220 gallons at the time of my CEI, located in the maintenance shop.
11/8/12	0955	3833	None	CBI - Hazardous waste stored in the flammable locker.
11/8/12	0956	3834	None	CBI - Hazardous waste stored in the flammable locker.
11/8/12	0956	3835	None	CBI - Fire resistant storage locker for flammable materials.
11/8/12	1000	3836	None	CBI - Hand-drawn diagram of the combustor operation. This diagram was on the wall in Mr. Miller's office.
11/8/12	1000	3837	None	Second view of the combustor diagram in Mr. Miller's office
11/8/12	1056	3838	None	Corn, LP sign near the entrance to the plant.
11/8/12	1432	3839	None	Site identification photo cover sheet, and the final inspection photo for Corn, LP

CORN LLP

IAR000517458 (ADMINISTRATIVE NUMBER)

1303 Highway 3 East

Goldfield, IA 50542

Wright County

November 7-8, 2012

Civil Investigator Glenn Cherry

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

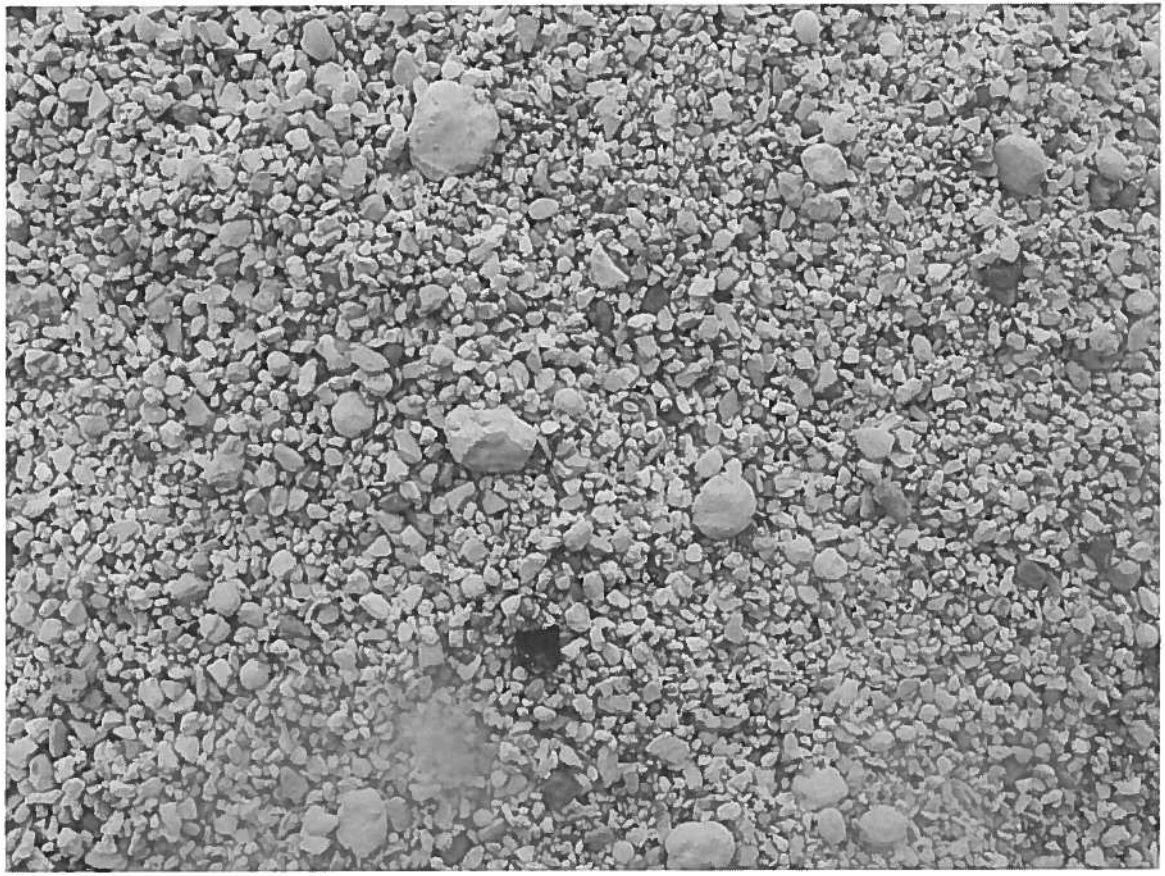
Fume hood in the laboratory. The two bottles on the left are both marked as hazardous waste. One is D001 ignitable, and the other is D002 corrosive.

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Moveable hopper at the northwest corner of the combustor. The hopper catches combustor tram (crushed limestone that has been heated to approximately 1500 degrees F. The combustor tram falls onto a shaker screen which vibrates the larger material to the hopper.

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Large pile of combustor tram which will be kept at Corn, LP until it is authorized to be landfilled in a sanitary landfill.



Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Closeup of combustor tram. The largest tram (near the top of the photo) is approximately the size of a tennis ball.

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

20-yard dumpster containing tram. The dumpster is furnished by Trash Man, and previously had been picked up routinely and transported to the Wright County Waste Transfer Station.

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Second view of the 20-yard dumpster showing the relationship to the dry distiller and screen building on the left

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

The smaller building in the center, at the end of the conveyor, is the combustor.

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

The two silos on the left are for coal. The silo on the fight is for storage of fly ash, and the building under it is the fly ash loadout building.

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

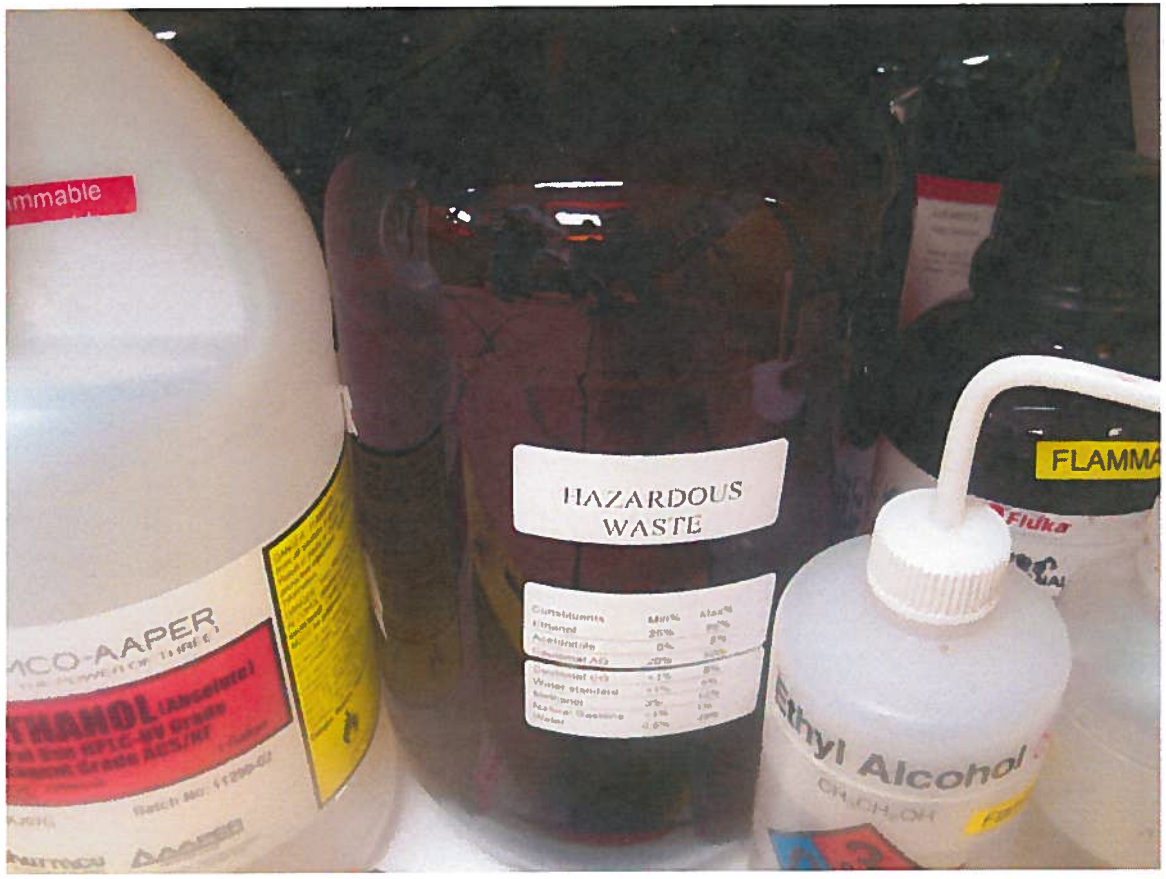
Aqueous parts washer located in the maintenance shop.

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

250 gallon used oil storage tote, holding approximately 220 gallons at the time of my CEI, located in the maintenance shop.

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Hazardous waste stored in the flammable locker.

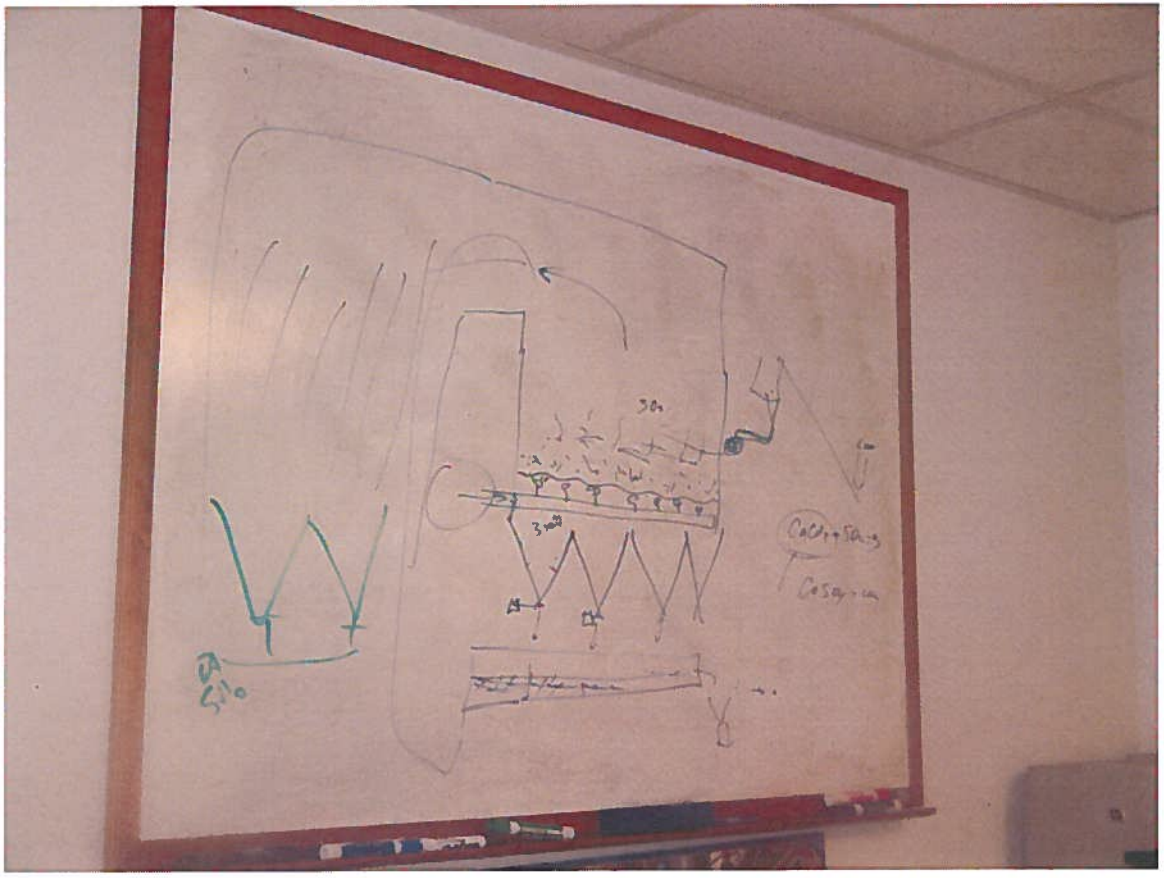


Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Hazardous waste stored in the flammable locker.

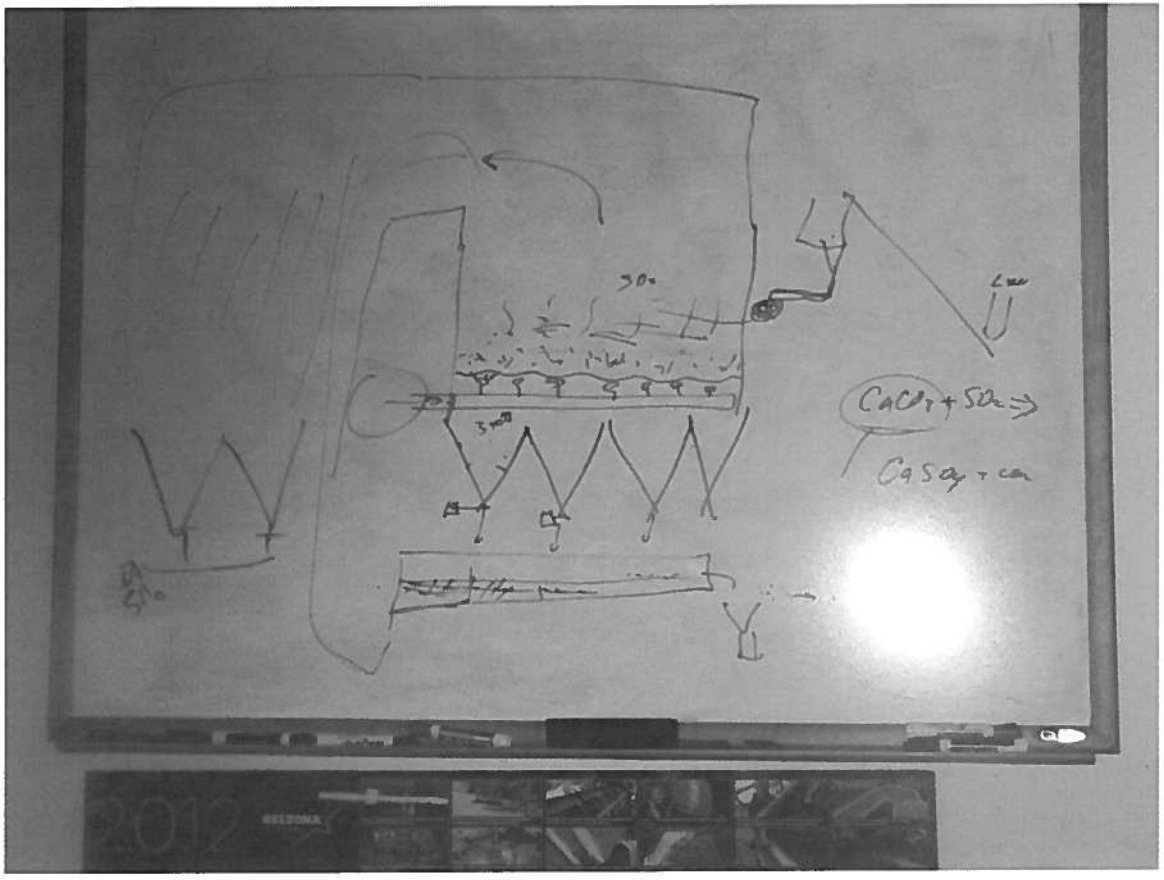
Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Fire resistant storage locker for flammable materials.



Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Hand-drawn diagram of the combustor operation. This diagram was on the wall in Mr. Miller's office.



Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Second view of the combustor diagram in Mr. Miller's office

Corn, LP Administrative Number IAR000517458 1303 East Highway 3, Goldfield, IA 50542 November 7-8, 2012 Civil Investigator Glenn Cherry

Corn, LP sign near the entrance to the plant.

CORN LLP

IAR000517458 (ADMINISTRATIVE NUMBER)

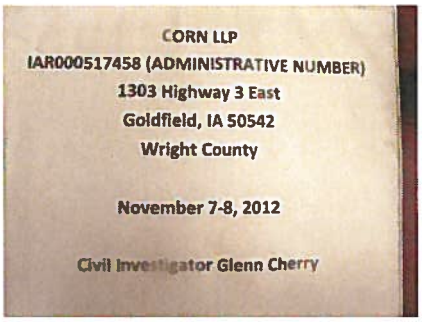
1303 Highway 3 East

Goldfield, IA 50542

Wright County

November 7-8, 2012

Civil Investigator Glenn Cherry



File name:	IMG_3821.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:23:35
Exposure Time:	1/60
F Number:	3.2
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3822.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:32:56
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_3823.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:51:20
Exposure Time:	1/250
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3824.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:53:40
Exposure Time:	1/400
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3825.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:54:38
Exposure Time:	1/400
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3826.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:56:22
Exposure Time:	1/400
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3827.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:56:47
Exposure Time:	1/250
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3828.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:58:49
Exposure Time:	1/320
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3829.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 10:58:56
Exposure Time:	1/320
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3830.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 11:01:55
Exposure Time:	1/800
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

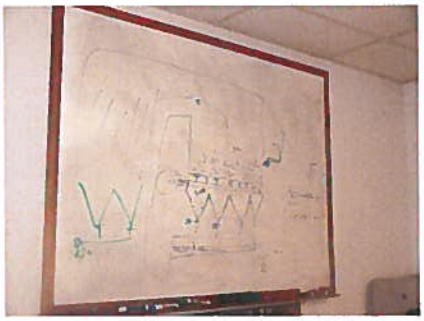
File name:	IMG_3831.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 11:04:19
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_3832.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:07 11:07:16
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

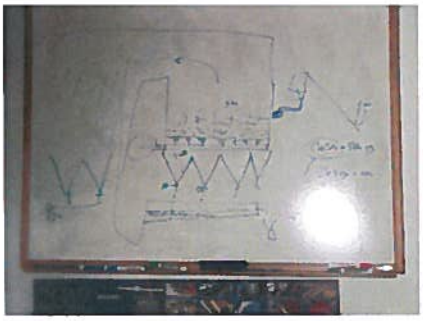
File name:	IMG_3833.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:08 09:55:58
Exposure Time:	1/10
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3834.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:08 09:56:05
Exposure Time:	1/10
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off

File name:	IMG_3835.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:08 09:56:46
Exposure Time:	1/60
F Number:	2.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

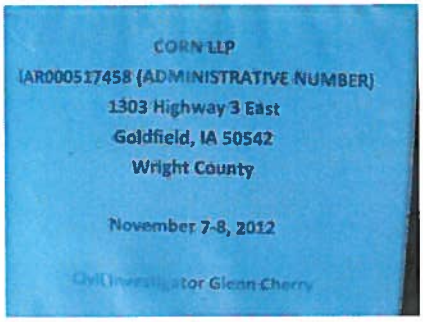


File name:	IMG_3836.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:08 10:00:04
Exposure Time:	1/60
F Number:	2.2
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On



File name:	IMG_3837.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:08 10:00:48
Exposure Time:	1/60
F Number:	2.2
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	On

File name:	IMG_3838.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:08 10:56:05
Exposure Time:	1/640
F Number:	4.0
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off



File name:	IMG_3839.JPG
Image Size (pixels):	3072x2304
Device Name:	Canon PowerShot G6
Shooting Date/Time:	2012:11:08 14:32:01
Exposure Time:	1/100
F Number:	3.2
Exposure Compensation:	0
Focal Length (35mm Film):	-
Flash:	Off