KOPPERS

Koppers Inc.
Carbon Materials and Chemicals
7540 NW Saint Helens Road
Portland, OR 97210-3663
Tel 503 286 3681
Fax 503 285 2831
www.koppers.com

December 2, 2004

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of November 2004.

For the month, we had two regular discharges of our 220,000-gallon storage tanks, totaling 440,000 gallons for the month. The first "slug" discharge of the 220,000 gallons was pumped on November 5th and the second over the 27th & 28thd. There were no excursions during the month.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: turnertj@koppers.com

Sincerely,

T. J. Turner
General Foreman

CC: M. Pronold, City of Portland, Environmental Services
T. Self, KII
B. Bauman, KII

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME: Koppers Industries, Inc.

ADDRESS: 7540 NW Saint Helens Road
Portland, OR. 97210-3663

FACILITY LOCATION: Northwest Terminal
Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: OR-000077-9

(17-19) DISCHARGE NUMBER: 001

47430

101642

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

☐ Check here if No Discharge

NOTE: Read instructions before completing this form

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	11	01	TO	04	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW — SEE COVER LETTER	SAMPLE MEASUREMENT			GPD					0	N/A	CALC.
	PERMIT REQUIREMENT										
TEMPERATURE	SAMPLE MEASUREMENT				11.1	9.5	7.9	°C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
PH	SAMPLE MEASUREMENT				6.8	6.9	7.0	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				<2.0	<2.0	<2.0	mg/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0.0	10.0	15.0				
PHENOLS	SAMPLE MEASUREMENT				<0.05	<0.05	<0.05	mg/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0.0	0.5	0.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

R. D. Collins

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

T. S. Turner

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 503, NUMBER 286-3681

DATE: YEAR 04, MO 12, DAY 02

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

CC: M. Pronold, City of Portland; T. Self, KII; B. Bauman, KII

EPA Form 3320-1 (10-96)

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

Koppers014025

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Nov-04

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Number of days during the month of actual discharge	Average "slug" discharge per day
220,000	2	0	0	440000		#DIV/0!

SAMPLE TEST RESULTS

	1	2	3	4	5	6	7	8	9	10	11	12	# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	10.1	11.1	10.4	8.2	7.9								5	n/a	n/a	n/a	11.1	9.5	7.9	C
PH	7.0	6.9	6.8	6.9	6.9								5	6.0		9.0	6.8	6.9	7.0	SU
Oil & Grease	0.0	0.0											2	0	10	15	0.0	0.0	0.0	mg/L
Phenols	0.00												1	0.0	0.5	0.7	0.00	0.00	0.00	mg/L

QUARTERLY PAH SAMPLING

Date sample taken:

Test Results: **ug/L**
(Must be less than 1000 ug/L)

Koppers014026

CERTIFICATE OF ANALYSIS

CLIENT: Koppers Industries, Inc.
ATTN: T.J. Turner
7540 NW St. Helens Road
Portland OR, 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

PROJECT NAME: Stormwater Tanks

SUBMITTED: 11/23/04 11:40

REPORT DATE: 11/26/04 09:13 REPORT NUMBER: 4112302 PAGE: 1 OF 1

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4112302-01	Stormwater Tank	11/23/2004	0945	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4112302-01	**SAMPLE ID: Stormwater Tank**						
General Bench Analysis							
O & G, TOTAL (HEM)	EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2.0	AKH	11/24/2004 15:05

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Authorized for Release By:

Richard D. Reid - Laboratory Director

ORIGINAL

CERTIFICATE OF ANALYSIS

CLIENT: Koppers Industries, Inc.
ATTN: Amos Kamerer
7540 NW St. Helens Road
Portland OR, 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

PROJECT NAME: Stormwater Tanks

SUBMITTED: 11/04/04 10:50

REPORT DATE: 11/08/04 09:10 REPORT NUMBER: 4110405 PAGE: 1 OF 1

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4110405-01	Stormwater Tanks	11/04/2004	0900	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4110405-01	**SAMPLE ID: Stormwater Tanks**						
General Bench Analysis							
O & G, TOTAL (HEM)	EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2.0	PA	11/05/2004 12:49
PHENOLS, TOTAL	EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	mg/L	0.050	AKH	11/05/2004 12:45

ORIGINAL

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Authorized for Release By:

Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 East 2nd Street, Suite A, Benicia, CA 94510 Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Inc
Attention: T. O'Connor
Address: 7540 NW St Helens
Phone: (503) 286-3681
FAX: (503) 285-2531
Sampler: T. O'Connor ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Due Date: Asap

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed
	Storm Water Tanks		11-23-04	0945	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11-23-04		
Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	11/23/04 1116

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014029

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD
AND
NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Inc
Attention: T J Turner
Address: 7540 NW ST Helens
Phone: 5032863681
Fax: 5032852831
Sampler: T J Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:
Testing Priority: ☐ Normal ☑ Rush
Due Date: ASAP
Notification Method(s): ☐ Telephone ☐ Email ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Total Phenols	Oil & Grease
	5 Term Water Tanks		11-4-04	0900	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
T J Turner	11-4-04		
Relinquished By:	Date/Time	Received By:	Date/Time
			11/5/04 1350

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO# _____
Laboratory Project Number: _____ Cash/check # _____
Due Date: _____ Amount Paid: $ _____

Koppers014030

11-4-04
Storm water Tanks

PH 7.0
Temp 10.1 °C.

Storm Water Tanks
11-5-04

Temp 11.1 °C.

PH 6.9

Stormwater Tanks
11-28-04
PH 6.9
Temp 7.9°C

STORMWATER TANKS
11-27-04

Temp 8.2°C.

pH - 6.9

11-23-04
Stormwater Tanks

PH 6.8
Temp 10.4°C.

KOPPERS

Koppers Inc.
Carbon Materials and Chemicals
7540 NW Saint Helens Road
Portland, OR 97210-3663
Tel 503 286 3681
Fax 503 285 2831
www.koppers.com

January 5, 2005

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of December 2004.

For the month, we had two regular discharges of our 220,000-gallon storage tanks, totaling 440,000 gallons for the month. The first "slug" discharge of the 220,000 gallons was pumped on December 9th and the second on the 22nd. There were no excursions during the month.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: turnertj@koppers.com

Sincerely,

T. J. Turner
General Foreman

CC: M. Pronold, City of Portland, Environmental Services
T. Self, KII
B. Bauman, KII

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR. 97210-3663
FACILITY LOCATION Northwest Terminal
Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-16) OR-000077-9 PERMIT NUMBER
(17-19) 001 DISCHARGE NUMBER
47430
101642
☐ Check here if No Discharge

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	04	12	01	TO	04	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read Instructions before completing this form

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW SEE COVER LETTER	SAMPLE MEASUREMENT			GPD					0	N/A	CALC.
	PERMIT REQUIREMENT										
TEMPERATURE	SAMPLE MEASUREMENT				8.8	9.0	9.1	°C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
PH	SAMPLE MEASUREMENT				7.0	6.9	6.8	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				<2.0	<2.0	<2.0	mg/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0.0	10.0	15.0				
PHENOLS	SAMPLE MEASUREMENT				0.056	0.056	0.056	mg/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0.0	0.5	0.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R. D. Collins	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)	T. J. Turner	503	286-3681	05	01	05
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

CC: M. Pronold, City of Portland; T. Self, KII; B. Bauman, KII

Koppers014037

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Dec-04

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Number of days during the month of actual discharge	Average "slug" discharge per day
220,000	2	0	0	440000	2	220000

SAMPLE TEST RESULTS

	1	2	3	4	5	6	7	8	9	10	11	12	# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	9.0	9.1	8.8	8.9									4	n/a	n/a	n/a	8.8	9.0	9.1	C
PH	6.9	7.0	6.8	6.9									4	6.0		9.0	7.0	6.9	6.8	SU
Oil & Grease	0.0	0.0											2	0	10	15	0.0	0.0	0.0	mg/L
Phenols	0.056												1	0.0	0.5	0.7	0.056	0.056	0.056	mg/L

QUARTERLY PAH SAMPLING

Date sample taken:

Test Results: ug/L
(Must be less than 1000 ug/L)

Koppers014038

CERTIFICATE OF ANALYSIS

CLIENT: Koppers Industries, Inc.
ATTN: Amos Kamerer
7540 NW St. Helens Road
Portland OR, 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

PROJECT NAME: Stormwater Tanks

SUBMITTED: 12/08/04 09:20

REPORT DATE: 12/16/04 14:35 REPORT NUMBER: 4120805 PAGE: 1 OF 1

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4120805-01	Stormwater Tanks	12/08/2004	0900	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4120805-01	**SAMPLE ID: Stormwater Tanks**						
General Bench Analysis							
O & G, TOTAL (HEM)	EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2.0	PA	12/09/2004 08:22
PHENOLS, TOTAL	EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.056	mg/L	0.050	AKH	12/09/2004 09:55

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Authorized for Release By:

Richard D. Reid - Laboratory Director

ORIGINAL

CERTIFICATE OF ANALYSIS

CLIENT: Koppers Industries, Inc.
ATTN: T.J. Turner
7540 NW St. Helens Road
Portland OR, 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

PROJECT NAME: Stormwater Tanks

SUBMITTED: 12/21/04 10:40

REPORT DATE: 12/22/04 15:10 REPORT NUMBER: 4122104 PAGE: 1 OF 1

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX
4122104-01	Stormwater Tank	12/21/2004	0930	Water

SAMPLE/ ANALYSIS	METHOD	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	TECH	DATE/TIME
4122104-01	**SAMPLE ID: Stormwater Tank**						
General Bench Analysis							
O & G, TOTAL (HEM)	EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2.0	DR	12/21/2004 17:02

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Authorized for Release By:

Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC 7133 N. Lombard, Portland, OR 97203 Phone:(503) 286-9464 Fax:(503) 286-5355 E-mail:lab@ColumbiaInspection.com

ORIGINAL

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD
AND
NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Inc.
Attention: TJ Turner
Address: 7340 NW St Helens Rd
Phone: 503 286 3681
Fax: 503 285 2831
Sampler: [signature] ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Due Date: ASAP

Notification Method(s): ☐ Telephone ☐ Email ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analysis To Be Performed: Oil Extract
	Storm Water Tanks		12-21-04	0930	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12-21-04		
Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	12/21/04 1540

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO# _____
Laboratory Project Number: _____ Cash/check # _____
Due Date: _____ Amount Paid: $ _____

Koppers014041

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD
AND
NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 4592 E 2nd Street, Ste 'A', Benicia, CA 94510 — Ph: (707) 748-7587 Fax: (707) 748-7764
☐ 797 Channel Street, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Inc.
Attention: T J Turner
Address: 7540 NW St Helens Rd
Phone: 503 286 3681
Fax: 503 285 2831
Sampler: [signature] ☑ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Due Date: [illegible]

Notification Method(s): ☐ Telephone ☐ Email ☐ Mail

Analysis To Be Performed

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Total Phenols	Oil Grease
	Storm Water Tanks		12-8-04	0900	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12-8-04 0920		
Relinquished By:	Date/Time	Received By: [signature]	Date/Time 12-8-04 0920

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO# _____
Laboratory Project Number: _____ Cash/check # _____
Due Date: _____ Amount Paid: $ _____

Koppers014042

Storm Water Tanks
12-21-04

PH 6.8

Temp 8.8° C.

12-22-04
Storm Water Tanks
Temp 8.9 °C.
PH 6.9

12-8-04

Storm Water Tanks

pH - 6.9

Temp 9.0 °C,

12-9-04
Stormwater Tanks

PH 7.0

Temp 9.1°C.

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
	002

47430
101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	02	01	TO	01	02	28

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW	SAMPLE MEASUREMENT		7.857	GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				7.7	7.9	8.1	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.6	6.7	6.8	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				5.4	5.4	5.4	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.1	.1	.1	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503 286-3681	01	03	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop-City of Portland, T.I. Self-KII, M. Cilley-KII

Koppers014047

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: February-01

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	1		0	220000	28	7857

SAMPLE TEST RESULTS

										# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	7.7	8.1	8							3	**n/a**	**n/a**	**n/a**	7.7	7.9	8.1	**C**
PH	6.6	6.6	6.8							3	**6.0**		**9.0**	6.6	6.7	6.8	**SU**
Oil & Grease	5.4									1	**0**	**10**	**15**	5.4	5.4	5.4	**mg/L**
Phenols	0.1									1	**0.0**	**0.5**	**0.7**	0.1	0.1	0.1	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken: N/A

Test Results: **ug/L**
(Must be less than 1000 ug/L)

Koppers014048

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/19/2001

PROJECT NAME: STORMWATER TANKS- MONTHLY

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10297-001		02/19/2001	1000	Water	Stormwater Yanks
10297-001		02/19/2001	1000	Water	Stormwater Yanks

REPORT DATE: 02/20/2001 REPORT NUMBER: 10297 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Yanks		SAMPLE ID:				
10297-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	5.35	mg/L	2	Gale S. 02/20/2001
Stormwater Yanks		SAMPLE ID:				
10297-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.10	PPM	0.05	Dick R. 02/20/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

2-20-01

PH 6.64

Temp 7.7°C.

Storm Water Tanks

2-21-01
Storm Wtr Tanks
8.1°C. Temp
6.6 PH

Storm Water
Tanks

Temp 8.0°C.

PH 6.8 PH

2-22-01

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 2-19-01 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind. Inc
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Portland, OR 97210
Phone: 503 286 3681
FAX: 503 285 7831
Sampler: TJ Turner ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Analyses To Be Performed

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Total Phenols
	Storm Water Tks		2-19-01	1000	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
TJ Turner	2-19-01	[signature]	2/19/01 1040
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014053

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
	001

47430
101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	01	01	TO	01	01	31

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	14,194		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				7.3	7.7	8.1	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.5	6.5	6.5	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.6	3.1	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503	286-3681	01	02	06
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

First quarter PAH results are attached.

M.A. Cilley-KII,
cc: J. Holtrop-City of Portland, T.I. Self-KII,

Koppers014054

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH January YEAR 2001

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL of TANKS	Days of Emergency Pumping /day	#DAYS IN MONTH	TOTAL All	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	11	11	11	11	11	11					
GALS.PUMPED	90,000	✓	✓	✓	40,000	✓			31	440,000	14,194

SAMPLE CONCENTRATION LEVELS

			LIMITS min	LIMITS AVG.	LIMITS max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	7.3	8.1				7.3	7.7	8.1	°F
PH	6.5	6.5	6.0		9.0	6.5	6.5	6.5	SU
OIL & GREASES	ND	3.1	0	10	15	N.D.	1.6	3.1	MG/L
PHENOLS	ND		0	.5	.7	N.D.	N.D.	N.D.	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _________ RESULTS 116.4 ug/L
(MUST BE LESS THAN 1000)

Koppers014055

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3691
FAX: (503) 285-2891

DATE SUBMITTED: 01/29/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10176-001		01/29/2001	1130	Water	Stormwater Tanks

REPORT DATE: 01/30/2001 REPORT NUMBER: 10176 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tanks		SAMPLE ID:				
10176-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.1	mg/L	2	Dick R. 01/30/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 01/11/20

PROJECT NAME: STORM WATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10068-001		01/11/2001	0800	Water	STORM WATER GRAB SAMPLE

REPORT DATE: 01/17/2001 **REPORT NUMBER: 10068** **PAGE: 1 OF 1**

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST
STORM WATER GRAB SAMPLE						
10068-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Dick R 01/12/2001
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	mg/L	0.05	Jeremy B 01/12/2001
	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	18	ug/L	0.05	Robert M 01/12/2001
		ACENAPHTHYLENE	6.0	ug/L	0.05	
		ANTHRACENE	4.4	ug/L	0.05	
		BENZO(A)ANTHRACENE	5.8	ug/L	0.05	
		BENZO(A)PYRENE	5.6	ug/L	0.2	
		BENZO(B)FLUORANTHENE	6.5	ug/L	0.2	
		BENZO(GHI)PERYLENE	6.1	ug/L	0.5	
		BENZO(K)FLUORANTHENE	5.3	ug/L	0.2	
		CHRYSENE	5.6	ug/L	0.05	
		DIBENZO(AH)ANTHRACENE	4.4	ug/L	0.3	
		FLUORANTHENE	9.6	ug/L	0.05	
		FLUORENE	13	ug/L	0.05	
		INDENO(1,2,3-CD)PYRENE	5.6	ug/L	0.4	
		NAPHTHALENE	ND	ug/L	0.05	
		PHENANTHRENE	12	ug/L	0.05	
		PYRENE	8.5	ug/L	0.05	
		SURROGATE	103	% RECOVERY 50%-150%		

REVIEWED BY: _____
Martin Little - Quality Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd.
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: TJ Turner ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____
Testing Priority / Notification Method(s)
☐ Normal ☐ Telephone
☑ Rush ☐ FAX
Due Date ASAP ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: O.I. Grease
	Storm Water-TKS	WW	1-29-01	1130	X

Relinquished By:	Date/Time	Received By:	Date/Time
T Turner	1-29-01 1400	Robert Reed	1/29/01 1400
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014058

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 1-11-01 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Portland, OR 97210
Phone: 503, 286 3681
FAX: 503, 2852831
Sampler: Dave Burt ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Total Phenols	Oil-Grease	BTEX
	Storm Water Tks		1-11-01	0800	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1-11-01	[signature]	1/11/01 0948
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014059

1-30-01

6.54 PH

8.14°C. Temps.

STORM WATER TANKS

1-12-01

pH 6.54

Temp 7.3°C.

Steam-Water Tks

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER	003 DISCHARGE NUMBER	47430 / 101642

Form Approved.
OMB No. 2040-0004

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	03	01	TO	01	03	31

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW	SAMPLE MEASUREMENT		21,290	GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				10.7	11.6	13.4	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.3	6.6	6.8	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				3.1	3.6	4.3	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				<.05	<.05	<.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D. Collins, VP (TYPED OR PRINTED)	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	A.S. Kamerer, Plt. Mgr. (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)	503 (AREA CODE) 286-3681 (NUMBER)	01 (YEAR)	04 (MO)	03 (DAY)

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop-City of Portland; T.I. Self-KII; M.A. Cilley-KII

Koppers014062

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Mar-01

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	3	0	0	660000	31	21290

SAMPLE TEST RESULTS

											# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	12.1	13.4	11.2	11	12.2	10.7	10.9				7	**n/a**	**n/a**	**n/a**	10.7	11.6	13.4	**C**
PH	6.8	6.5	6.7	6.8	6.5	6.3	6.4				7	**6.0**		**9.0**	6.3	6.6	6.8	**SU**
Oil & Grease	3.5	3.1	4.3								3	**0**	**10**	**15**	3.1	3.6	4.3	**mg/L**
Phenols	0										1	**0.0**	**0.5**	**0.7**	0.0	0.0	0.0	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken:

Test Results: **ug/L**
(Must be less than 1000 ug/L)

Koppers014063

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/14/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10429-001		03/14/2001	1030	Water	Stormwater Tanks
10429-001		03/14/2001	1030	Water	Stormwater Tanks

REPORT DATE: 03/15/2001 REPORT NUMBER: 10429

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tanks		SAMPLE ID:				
10429-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.5	mg/L	2	Gale S. 03/15/2001
Stormwater Tanks		SAMPLE ID:				
10429-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Jeremy B. 03/15/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS

PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/19/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10464-001		03/19/2001	0900	Water	Stormwater Tanks

REPORT DATE: 03/20/2001 REPORT NUMBER: 10464 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tanks		SAMPLE ID:				
10464-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.1	mg/L	2	Gale S. 03/20/2001

** Draft Report **

Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/27/2001

PROJECT NAME: STORMWATER

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10510-001	STORMWATER	03/27/2001	1130	Water	STORMWATER TANKS

REPORT DATE: 03/28/2001 REPORT NUMBER: 10510 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
STORMWATER TANKS		SAMPLE ID: STORMWATER				
10510-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	4.3	mg/L	2	Gale S. 03/28/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 3-27-01 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind. Inc.
Attention: Amos Kamoker
Address: 7540 N. St. Helens Rd. Portland, OR 97210
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: T.J. Turner ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Analyses To Be Performed

Oil - Grease

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	
	Storm Water Tanks		3-27-01	1130	X

Relinquished By:	Date/Time	Received By:	Date/Time
T. Turner	3-27-01	Matt Dickens	3-27-01 1538
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014067

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamered

Address: 7540 NW St Helens Rd
Portland OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: T Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Analyses To Be Performed

Oil - Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	STORM WTR TANKS		3-19-01	0900	X

Relinquished By:	Received By:	Date/Time
Signature: T Turner	Signature: Robert Ward	3/19/01 0955
Printed Name: T Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014068

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamperer
Address: 7540 NW St Helens Rd
Phone: (503) 286-3682
FAX: (503) 285-2831
Sampler: T.O. Tanner ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Due Date: ASAP

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil-Grease	TPH-Diesel
	Storm Water Tanks		[illegible]			
			3-14-01	1030	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
T.O. Tanner	3-14-01 1030	Kathy Ward	3/14/01 1030
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

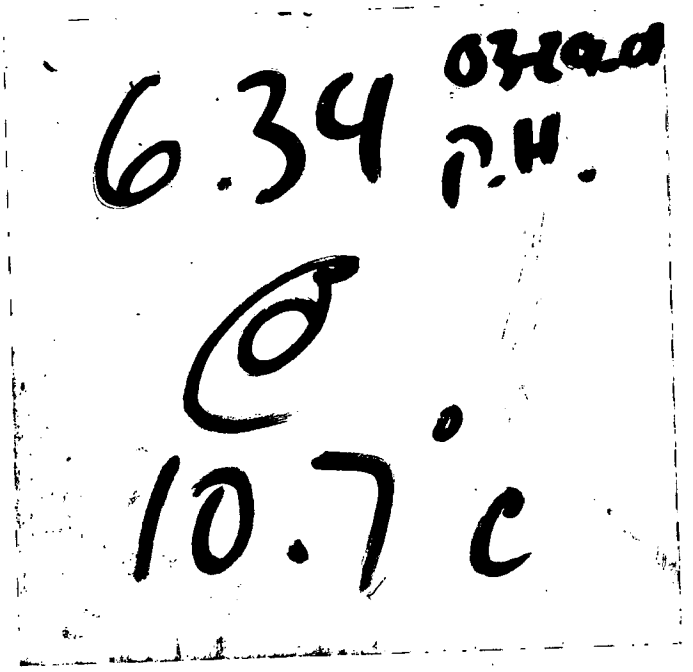
Koppers014069

3/27/01

Storm Water Tanks

Temp 12.3 °C.

PH 6.47



Koppers014071

3-30-01
Storm Water Tanks
PH 6.40
Temp 10.9°C

3-19-01

Storm water tanks

11.2°C Temp

6.69 PH

3/20/01
Storm Water Tanks

11.0 °C Temp
6.8 pH

03-22-01 PH
6.22
@
10.2°C

3-15-01

Stormwater Tanks

12.1 °C Temp

6.8 pH

Storm Water Tanks

pH 6.54

Temp 13.4°C

3-16-01

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

May 1, 2001

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97202

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of April 2001.

The second quarter PAH sample data is attached.

There were no excursions for the month.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal

LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
	004

47430
101642

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	04	01	TO	01	04	30

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	14.667		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
Temp	SAMPLE MEASUREMENT				10.9	12.3	14.4		0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.3	6.5	6.6		0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				4.7	5.0	5.3		0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
Phenols	SAMPLE MEASUREMENT				.14	.14	.14		0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R. D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503 286-3681	01	05	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Second quarter results are attached.

cc: J. Holtrop, City of Portland; T.I. Self-KII, M. Cilley-

Koppers014079

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Apr-01

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	2	0	0	440000	30	14,667

SAMPLE TEST RESULTS

											# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	11.9	10.9	12.1	14.4							4	**n/a**	**n/a**	**n/a**	10.9	12.3	14.4	**C**
PH	6.3	6.5	6.6	6.6							4	**6.0**		**9.0**	6.3	6.5	6.6	**SU**
Oil & Grease	4.7	5.3									2	**0**	**10**	**15**	4.7	5.0	5.3	**mg/L**
Phenols	0.14										1	**0.0**	**0.5**	**0.7**	0.14	0.14	0.14	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken: 4/10

Test Results: 74.39 **ug/L**
(Must be less than 1000 ug/L)

Koppers014080

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 04/10/2001

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10591-001		04/10/2001	1500	Water	STORM WATER TANK
10591-001		04/10/2001	1500	Water	STORM WATER TANK
10591-001		04/10/2001	1500	Water	STORM WATER TANK

REPORT DATE: 04/12/2001 REPORT NUMBER: 10591

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
STORM WATER TANK						
10591-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	4.7	mg/L	2	Gale S. 04/11/2001
STORM WATER TANK						
10591-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	9.80	ug/L	0.25	Robert M. 04/12/2001
		ACENAPHTHYLENE	0.87	ug/L	0.25	
		ANTHRACENE	7.41	ug/L	0.25	
		BENZO(A)ANTHRACENE	3.69	ug/L	0.25	
		BENZO(A)PYRENE	8.02	ug/L	0.25	
		BENZO(B)FLUORANTHENE	3.85	ug/L	0.25	
		BENZO(GHI)PERYLENE	3.61	ug/L	0.25	
		BENZO(K)FLUORANTHENE	4.43	ug/L	0.25	
		CHRYSENE	3.16	ug/L	0.25	
		DIBENZO(AH)ANTHRACENE	2.30	ug/L	0.25	
		FLUORANTHENE	6.34	ug/L	0.25	
		FLUORENE	10.13	ug/L	0.25	
		INDENO(1,2,3-CD)PYRENE	3.18	ug/L	0.25	
		NAPHTHALENE	ND	ug/L	0.25	
		PHENANTHRENE	1.35	ug/L	0.25	
		PYRENE	6.25	ug/L	0.25	
		SURROGATE	95	% RECOVERY	50%-150%	
STORM WATER TANK						
10591-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.14	PPM	0.05	Dick R. 04/11/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2031

DATE SUBMITTED: 04/23/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10659-001		04/23/2001	1100	Water	STORMWATER

REPORT DATE: 04/24/2001 REPORT NUMBER: 10659 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
STORMWATER						
10659-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	5.3	mg/L	2	Gale S. 04/24/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamencek

Address: 7540 NW ST Helens Rd.
Portland OR 97210

Phone: (503) 286 3681

FAX: 503 285 2831

Sampler: T. J. Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Analyses To Be Performed

Oil + Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	Steam Water Tanks		4-23-01	1100	X

Relinquished By:	Received By:	Date/Time
Signature: T. J. Turner	Signature: Richard O'Neal	4/23/01 1305
Printed Name: T. J. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014083

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind. Inc.

Attention: Amos Kanever

Address: 7540 NW St Helens Rd
Portland, OR 97210

Phone: 503) 286-3681

FAX: 503) 285-2831

Sampler: T Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Total Phenols	P.A.H.
	STORM WATER TANKS		4-10-01	1500	X	X	X

Relinquished By:	Received By:	Date/Time
Signature: T Turner	Signature: Richard Hart	4/10/01 1515
Printed Name: T Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014084

Stormwater Tanks
4-23-01
PH - 6.62
Temp 12.1 °C.

Storm Water Tanks

4-26-01

Temp 14.4°C.

PH 6.60

4-10-01
Stormwater Tanks

6.27 PH

11.9 °C Temp

Storm Water Tanks
10.9 °C Temp
6.49 PH

4-12-01

94.39

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

June 4, 2001

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of May 2001.

There were no excursions for the month.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland, Environmental Services
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
	005

47430
101642

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	05	01	TO	01	05	31

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	14,194		GPD					0	N|A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				12.4	17.9	22.3	C.	0	1|7	GRAB
	PERMIT REQUIREMENT				N|A	N|A	N|A				
pH	SAMPLE MEASUREMENT				6.5	6.7	6.9	SU	0	1|7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL and GREASE	SAMPLE MEASUREMENT				2.3	2.8	3.3	MG|L	0	1|7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				<0.05	<0.05	<0.05	MG|L	0	1|30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Ramerer, Plt Mgr	503	286-3681	01	06	04
*TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop-City of Portland; T.I. Self-KII; M. Cilley-KII

Koppers014090

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: May-01

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	2	0	0	440000	31	14,194

SAMPLE TEST RESULTS

											# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	13.4	12.4	19.3	22.1	22.3						5	**n/a**	**n/a**	**n/a**	12.4	17.9	22.3	**C**
PH	6.8	6.5	6.7	6.9	6.6						5	**6.0**		**9.0**	6.5	6.7	6.9	**SU**
Oil & Grease	2.3	3.3									2	**0**	**10**	**15**	2.3	2.8	3.3	**mg/L**
Phenols	0										1	**0.0**	**0.5**	**0.7**	0.00	0.00	0.00	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken:

Test Results: **ug/L**
(Must be less than 1000 ug/L)

Koppers014091

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3581
FAX: (503) 285-2831

DATE SUBMITTED: 05/01/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10719-001		05/01/2001	0900	Water	Stormwater Tanks
10719-001		05/01/2001	0900	Water	Stormwater Tanks

REPORT DATE: 05/01/2001 REPORT NUMBER: 10719 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tanks						
10719-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.3	mg/L	2	Gale S. 05/01/2001
Stormwater Tanks						
10719-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K. 05/01/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Phone: (503) 2863681
FAX: (503) 2852831
Sampler: T J Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed: Oil-Grease

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	Storm Water Tanks	WW	5-29-01	10:30	X

Relinquished By:	Date/Time	Received By:	Date/Time
T J Turner	5-29-01	[signature]	5/29/01 1145
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014093

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.
Attention: Amos Kamprer
Address: 7540 NW St Helens Rd.
Phone: (503) 2863681
FAX: 503, 2852831
Sampler: TG Turner ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____
Testing Priority / Notification Method(s)
☐ Normal ☐ Telephone
☑ Rush ☐ FAX
Due Date Asap ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil & Grease	Analyses To Be Performed: Total Phenols
	Storm Water Tanks	WW	5-1-01	0900	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
TG Turner	5-1-01	[signature]	5/1/01 0930
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014094

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/29/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10850-001		05/29/2001	1030	Water	Stormwater Tanks

REPORT DATE: 05/30/2001 REPORT NUMBER: 10850 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tanks						
10850-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.3	mg/L	2	Dick R. 05/30/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

5-29-01
STORM Water Tanks
6.68 PH
19.3 °C. Temp.

5-30-01
Stormwater Tanks
pH 6.85
Temp 22.1 °C.

Storm Water Tanks

5-31-01

Temp 22.3 °C

P.H. 6.58

5/1/01

6.81 PH

13.4 °C Temp

Storm Water

Tanks

6.5 pH

Storm Water Tanks

@

12.4 °C

05-01-01

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

July 3, 2001

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of June 2001.

There were no excursions for the month.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland, Environmental Services
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

OR 0000 72-9	006	47430
PERMIT NUMBER	DISCHARGE NUMBER	101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	06	01	TO	01	06	30

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	7,333		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
Temp	SAMPLE MEASUREMENT				17.8	17.9	17.9	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.5	6.5	6.5	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				2.0	2.0	2.0	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	10	15				
Phenols	SAMPLE MEASUREMENT				<0.05	<0.05	<0.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				N/A	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503	286-3681	01	07	03
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop-City of Portland, T.I. Self-KII, M.A. Cilley-KII

Koppers014102

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Jun-01

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	1	0	0	220000	30	7,333

SAMPLE TEST RESULTS

										# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	17.9	17.8								2	**n/a**	**n/a**	**n/a**	17.8	17.9	17.9	**C**
PH	6.5	6.5								2	**6.0**		**9.0**	6.5	6.5	6.5	**SU**
Oil & Grease	2									1	**0**	**10**	**15**	2.0	2.0	2.0	**mg/L**
Phenols	0									1	**0.0**	**0.5**	**0.7**	0.00	0.00	0.00	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken:

Test Results: **ug/L**
(Must be less than 1000 ug/L)

Koppers014103

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 06/25/2001

PROJECT NAME: STORM WATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
10994-001		06/25/2001	0830	Water	STORM WATER
10994-001		06/25/2001	0830	Water	STORM WATER

REPORT DATE: 06/27/2001 REPORT NUMBER: 10994

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
STORM WATER						
10994-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.0	mg/L	2	Gale S. 06/27/2001
STORM WATER						
10994-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K. 06/26/2001

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd
Phone: 503 2863681
FAX: 503 2852831
Sampler: T J Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: Asap

Analyses To Be Performed

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Phenols Total	Oil - Grease
	Storm Water Tanks		6/25/01	0830	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
T J Turner	6·25·01	[signature]	6/25/01 1020
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014105

6-25-01
Stormwater Tanks
Temp 17.9°C
pH 6.50

Storm water tanks

Temp 17.8 °C

PH 6.45

6-27-01

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

August 21, 2001

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of July 2001.

There were no discharges during the month, thus there were no excursions.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland, Environmental Services
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210
FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

OR-000077-9	001	47430
PERMIT NUMBER	DISCHARGE NUMBER	101642

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	07	01	TO	01	07	31

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	0		GPD				∅	0	N/A	EST.
	PERMIT REQUIREMENT										
Temp	SAMPLE MEASUREMENT							C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/a	N/A	N/A				
pH	SAMPLE MEASUREMENT							SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT							MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	10	15				
Phenols	SAMPLE MEASUREMENT							MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				N/A	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503	286-3681	01	08	21
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Nothing to report There were no discharges during the month. cc: J. Holtrop-City of Portland; T.I. Self-KII; M.A. Cilley-KII

Koppers014109

KOPPERS INDUSTRIES

Amos S. Kamerer
Plant Manager

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Telephone: 503-286-3681
Fax: 503-285-2831

September 4, 2001

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of August 2001.

There were no discharges during the month, thus there were no excursions.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland, Environmental Services
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

OR-000077-9	001	47430
PERMIT NUMBER	DISCHARGE NUMBER	101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	08	01	TO	01	08	31

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Flow	SAMPLE MEASUREMENT	0		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
Temp	SAMPLE MEASUREMENT							C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT							SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT							MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	10	15				
Phenols	SAMPLE MEASUREMENT							MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				N/A	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503 AREA CODE	286-3681 NUMBER	01 YEAR	09 MO	04 DAY
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Nothing to report. There were no discharges during the month. cc: J. Holtrop-City of Portland; T.I. Self-KII; M.A. Cilley-KII

Koppers014111

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

October 2, 2001

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of September 2001.

The third quarter PAH results are also enclosed.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland, Environmental Services
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, INC.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

OR-000077-9	001	47430
PERMIT NUMBER	DISCHARGE NUMBER	101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	09	01	TO	01	09	30

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	7,333		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
Temp	SAMPLE MEASUREMENT				23.2	23.5	23.8	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.4	6.5	6.5	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				3.4	3.4	3.4	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	10	15				
Phenols	SAMPLE MEASUREMENT				<0.05	<0.05	<0.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				N/A	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503 | 286-3681	01	10	02
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE | NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Third quarter PAH results are attached. cc: J. Holtrop-City of Portland; T.I. Self-KII; M. Cilley-KII

Koppers014113

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Sep-01

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	1	0	0	220000	30	7,333

SAMPLE TEST RESULTS

										# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	23.2	23.8								2	**n/a**	**n/a**	**n/a**	23.2	23.5	23.8	**C**
PH	6.4	6.5								2	**6.0**		**9.0**	6.4	6.5	6.5	**SU**
Oil & Grease	3.4									1	**0**	**10**	**15**	3.4	3.4	3.4	**mg/L**
Phenols	0									1	**0.0**	**0.5**	**0.7**	0.00	0.00	0.00	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken: 9/4/01

Test Results: 2.61 **ug/L**
(Must be less than 1000 ug/L)

Koppers014114

CI CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 09/04/2001

PROJECT NAME: QUARTERLY STORMWATER TEST

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11341-001		09/04/2001	1000	Water	Stormwater Tanks

REPORT DATE: 09/06/2001 REPORT NUMBER: 11341 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST
Stormwater Tanks						
11341-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.4	mg/L	2	Gale S 09/04/2001
Stormwater Tanks						
11341-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K 09/05/2001
Stormwater Tanks						
11341-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	ND	ug/L	0.201	Robert M 09/05/2001
		ACENAPHTHYLENE	ND	ug/L	0.201	
		ANTHRACENE	ND	ug/L	0.201	
		BENZO(A)ANTHRACENE	0.19	ug/L	0.201	
		BENZO(A)PYRENE	0.21	ug/L	0.804	
		BENZO(B)FLUORANTHENE	0.51	ug/L	0.804	
		BENZO(GHI)PERYLENE	0.34	ug/L	2.01	
		BENZO(K)FLUORANTHENE	0.23	ug/L	0.804	
		CHRYSENE	0.21	ug/L	0.201	
		DIBENZO(AH)ANTHRACENE	ND	ug/L	1.206	
		FLUORANTHENE	0.29	ug/L	0.201	
		FLUORENE	ND	ug/L	0.201	
		INDENO(1,2,3-CD)PYRENE	0.33	ug/L	1.608	
		NAPHTHALENE	ND	ug/L	0.201	
		PHENANTHRENE	ND	ug/L	0.201	
		PYRENE	0.30	ug/L	0.201	
		SURROGATE	82	% RECOVERY 50%-150%		

REVIEWED BY: David Back - QS Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd.
Phone: (503) 2863681
FAX: 503 2852831
Sampler: T. J Gannon ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: PAH	01-Grease	Phenols
	Storm Water Tanks		9-4-01	1000	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
T. J Gannon	9-4-01	[signature]	9/4/01 1035
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014116

Storm Water Tanks

9-6-01

Temp 23.8°C

PH 6.5

Storm Water Tanks

9-4-01

PH 6.4

Temp 23.2°C.

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

November 1, 2001

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of October 2001.

The forth quarter PAH results are also enclosed.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland, Environmental Services
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040 0004

OR-000077-9	001	47430
PERMIT NUMBER	DISCHARGE NUMBER	101642

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	10	01	TO	01	10	31

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW	SAMPLE MEASUREMENT	14,194		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				12.1	14.1	16.4	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.0	6.4	6.8	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				<2.0	3.1	6.2	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	10	15				
Phenols	SAMPLE MEASUREMENT				<0.05	<0.05	<0.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				N/a	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503 AREA CODE 286-3681 NUMBER	01 YEAR 11 MO 01 DAY
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

PAH
The fourth quarter^results are attached.

cc: J. Holtrop-City of Portland; T.I. Self-KII; M.A. Cilley-KII

EPA Form 3320-1 (REV 3/99) Previous editions may be used.

THIS IS A 4 PART FORM PAGE 1 OF 1

Koppers014120

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Oct-01

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	2	0	0	440000	31	14,194

SAMPLE TEST RESULTS

											# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	16.4	14.3	14.6	12.9	12.1						5	**n/a**	**n/a**	**n/a**	12.1	14.1	16.4	**C**
PH	6.8	6	6.2	6.8	6.4						5	**6.0**		**9.0**	6.0	6.4	6.8	**SU**
Oil & Grease	6.2	0									2	**0**	**10**	**15**	~~6.2~~ 0.0	3.1	6.2 0.0	**mg/L**
Phenols	0										1	**0.0**	**0.5**	**0.7**	0.00	0.00	0.00	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken: 10/8

Test Results: 1.17 **ug/L**
(Must be less than 1000 ug/L)

Koppers014121

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 10/08/2001

PROJECT NAME: QUARTERLY STORMWATER TANK TEST

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11506-001		10/08/2001	0900	Water	Stormwater Tanks

REPORT DATE: 10/10/2001 REPORT NUMBER: 11506

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST
Stormwater Tanks						
11506-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	6.2	mg/L	2	Gale S 10/09/2001
Stormwater Tanks						
11506-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K 10/09/2001
Stormwater Tanks						
11506-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	ND	ug/L	0.2655	Robert M 10/10/2001
		ACENAPHTHYLENE	ND	ug/L	0.2655	
		ANTHRACENE	ND	ug/L	0.2655	
		BENZO(A)ANTHRACENE	ND	ug/L	0.2655	
		BENZO(A)PYRENE	ND	ug/L	0.2655	
		BENZO(B)FLUORANTHENE	0.35	ug/L	0.2655	
		BENZO(GHI)PERYLENE	0.27	ug/L	0.2655	
		BENZO(K)FLUORANTHENE	ND	ug/L	0.2655	
		CHRYSENE	ND	ug/L	0.2655	
		DIBENZO(AH)ANTHRACENE	ND	ug/L	0.2655	
		FLUORANTHENE	ND	ug/L	0.2655	
		FLUORENE	ND	ug/L	0.2655	
		INDENO(1,2,3-CD)PYRENE	0.27	ug/L	0.2655	
		NAPHTHALENE	0.28	ug/L	0.2655	
		PHENANTHRENE	ND	ug/L	0.2655	
		PYRENE	ND	ug/L	0.2655	
		SURROGATE	93	% RECOVERY	50%-150%	

REVIEWED BY: David Back - QS Manager

CERTIFICATE OF ANALYSIS

CLIENT: ROPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 10/23/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11575-001		10/23/2001	1300	Water	Stormwater Tank Grab

REPORT DATE: 10/24/2001 REPORT NUMBER: 11575 REV. 001 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
Stormwater Tank Grab						
11575-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gale S 10/24/2001

REVIEWED BY: David T Back

David Back - QS Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kemerer
Address: 7540 N St Helens Rd
Phone: (503) 286-9681
FAX: (503) 2852831
Sampler: T Turner ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____
Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil - Grease
	STORM WATER TANKS		10-25-01	1300 HR	X

Relinquished By:	Date/Time	Received By:	Date/Time
T Turner	10-25 01	Rich Allen	10/23/01 1345
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014124

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 Nw St Helens Rd
Phone: (503) 2863681
FAX: (503) 2852831
Sampler: T J Turner ☑ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Phenols	P.A.H.
	Storm Water Tanks		10-8-01	0900	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
T J Turner	10-8-01		
Relinquished By:	Date/Time	Received By:	Date/Time
		[signature]	10/8/01 10 05

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014125

10.23.01
Storm Water Tanks

6.84 PH

12.9 °C, Temp

6.37 ph

℃

12.1 °C

10-25-01

Storm Water Tanks

10-8-01

6.8 PH

Temp 16.4° C.

6.01 pH

@

14.3 °C

10Y0-01

10.12.01

14.1 °C Temp

6.24 RH

Stormwater Tanks

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

December 4, 2001

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of November 2001.

There were no excursions for the month.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland, Environmental Services
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, Oregon 97210-3663

FACILITY LOCATION NW Terminal
Multmomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved.
OMB No. 2040-0004

OR-000077-9	001	47430 / 101642
PERMIT NUMBER	DISCHARGE NUMBER	

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	11	01	TO	01	11	30

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
FLOW	SAMPLE MEASUREMENT	29,333		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				9.6	11.7	14.6	°C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/a				
PH	SAMPLE MEASUREMENT				6.3	6.9	8.6	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & grease	SAMPLE MEASUREMENT				<2.0	3.4	9.5	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				<2.0	10	15				
PHENOLS	SAMPLE MEASUREMENT				<0.05	<0.05	<0.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				<0.05	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R. D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is , to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. Mgr.	503-286-3681	01	12	04
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

CC: J. Holtrop, City of Portland; T. I. Self, KII: M. A. Cilley, KII

EPA Form 3320-1 (REV 3/99) Previous editions may be used.

THIS IS A 4 PART FORM - PAGE ... OF ...

Koppers014132

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Nov-01

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	4	0	0	880000	30	29,333

SAMPLE TEST RESULTS

											# of	LIMITS			ACTUAL			
											Samples	min.	avg.	max.	min.	avg.	max.	unit
Temperature	13.5	10.6	14.6	13.5	12.4	11.1	9.6	10	9.9		9	**n/a**	**n/a**	**n/a**	9.6	11.7	14.6	**C**
PH	6.5	6.7	8.6	8.4	6.5	6.4	6.3	6.3	6.3		9	**6.0**		**9.0**	6.3	6.9	8.6	**SU**
Oil & Grease	4.2		0		9.5		0				4	**0**	**10**	**15**	0.0	3.4	9.5	**mg/L**
Phenols	<0.05										1	**0.0**	**0.5**	**0.7**	0.00	0.00	0.00	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken:

Test Results: **ug/L**
(Must be less than 1000 ug/L)

Koppers014133

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/28/2001

PROJECT NAME: WEEKLY STORMWATER TANKS TEST

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11754-001		11/28/2001		Water	Stormwater Tanks

REPORT DATE: 11/28/2001 **REPORT NUMBER: 11754 REV. 001** **PAGE: 1 OF 1**

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
Stormwater Tanks						
11754-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gale S 11/28/2001

REVIEWED BY: David Back - QS Manager

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/20/2001

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11727-001		11/20/2001	0915	Water	STORMWATER TANKS

REPORT DATE: 11/21/2001 REPORT NUMBER: 11727 REV. 001 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
STORMWATER TANKS						
11727-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	9.5	mg/L	2	Gale S 11/20/2001

REVIEWED BY: David Back - QS Manager

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/15/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11703-001		11/15/2001	1300	Water	Stormwater Tanks

REPORT DATE: 11/16/2001 REPORT NUMBER: 11703 REV. 001 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
Stormwater Tanks						
11703-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gale S 11/16/2001

REVIEWED BY: David Back

David Back - QS Manager

COLUMBIA INSPECTION, INC.

7133 N. Lombard Street • Portland, OR 97203 •Telephone: (503) 286-9464 • Fax: (503) 285-7831

November 14, 2001 L011114A.KI

Mr. T.J. Turner
Koppers Industries
7540 NW St. Helens Road
Portland, OR 97210-3663

RE: Problems Related to Stormwater Report 11653 For Samples Collected 11/5/01

Dear T.J.:

As you are aware, a draft report providing unreviewed oil and grease data for a sample collected on November 5, 2001 was faxed to you as a preliminary report the following day. This was done so that you could begin the process of discharging from your storage tanks. During data review, it was discovered that the analyst, used to seeing and reporting low values for you, had reported a 6.3 mg/L oil & grease instead of the actual 63. This raised a concern that your sample had been treated like several other samples, resulting in erroneously high values. These high numbers were the result of the use of contaminated hexane being dispensed from a dispensing bottle of questionable quality.

We discovered that the contamination was by a polar hydrocarbon which could be removed according to the EPA 1664 method, leaving the nonpolar or petroleum hydrocarbon portion which is the species of concern to begin with. Your report has not only been corrected to include the total result of 63-mg/L but also contains the petroleum hydrocarbons value which indicates that your water was, indeed, safe to discharge.

I apologize for the problems we caused you and would be willing to work with you to resolve any conflicts which might develop with the City. We have instigated a corrective action designed to prevent this from happening again and would be more than happy to provide you with any documentation that will support your innocence in this process.

Thanks again for your understanding.

Sincerely,

Richard D. Reid
Laboratory Director

Koppers Industries
Mr. T. L. Turner
1820 VNV St. Helens Road
Portland, OR 97210-3883

RE: Proposed Related to Stormwater Report Data for Samples Collected [illegible]

Dear [illegible]

As you are aware, a risk report providing supervised by the Oregon state [illegible] samples collected on November 3, 2003 was texted to you as a preliminary report are following [illegible] This was done so that you could begin the process of discussing [illegible] with you. Enclosed also please find summary. If we did discover [illegible] exceedances [illegible] samples [illegible]. Enclosed [illegible] report is a draft only. Do not [illegible] and [illegible] and [illegible] and

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/05/2001

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11653-001		11/05/2001	1400	Water	STORMWATER TANKS

REPORT DATE: 11/13/2001 **REPORT NUMBER: 11653 REV. 004** **PAGE: 1 OF 1**

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
STORMWATER TANKS						
11653-001	O & G, NP (SGT-HEM) EPA 1664	NONPOLAR OIL & GREASE	4.2	mg/L	2	Gale S 11/07/2001
	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	63	mg/L	2	Gale S 11/06/2001
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K 11/06/2001

COMMENTS:
11/07/01 Calculation error on previous report. Oil & Grease result has been corrected.
11/13/01 Non-Polar O&G result included on report.

REVIEWED BY: _____
David Back - QS Manager

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/05/2001

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11653-001		11/05/2001	1400	Water	STORMWATER TANKS

REPORT DATE: 11/06/2001 REPORT NUMBER: 11653 REV. 001 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST DATE/TIME
STORMWATER TANKS						
11653-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	6.3	mg/L	2	Gale S. 11/06/2001
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K. 11/06/2001

COMMENTS:

** Draft Report **

Data in this report may not be complete. This report has not undergone final quality review.

COLUMBIA INSPECTION, INC.
7133 North Lombard Street, Portland, Oregon 97203
Phone: 503-286-9464 Fax 503-285-7831

Fax

To: Koppers Ind. Inc. From: D. Burk

Pages: 1 of 2

Fax: Date: 11/7/01

Re:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

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CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/05/2001

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11653-001		11/05/2001	1400	Water	STORMWATER TANKS

REPORT DATE: 11/06/2001 REPORT NUMBER: 11653 REV. 002 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
STORMWATER TANKS						
11653-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	6.3	mg/L	2	Gale S 11/06/2001
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K 11/06/2001

REVIEWED BY: David Back

David Back - QS Manager

COLUMBIA INSPECTION, INC. 7133 N. Lombard, Portland, OR 97203 Phone:(503) 286-9464 Fax:(503) 286-5355 E-mail:lab@Columbiainspection.com

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/05/2001

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11653-001		11/05/2001	1400	Water	STORMWATER TANKS

REPORT DATE: 11/13/2001 REPORT NUMBER: 11653 REV. 004 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
STORMWATER TANKS						
11653-001	O & G, NP (SGT-HEM) EPA 1664	NONPOLAR OIL & GREASE	4.2	mg/L	2	Gale S 11/07/2001
	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	63	mg/L	2	Gale S 11/06/2001
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K 11/06/2001

COMMENTS:
11/07/01 Calculation error on previous report. Oil & Grease result has been corrected.
11/13/01 Non-Polar O&G result included on report.

REVIEWED BY: David Back - QS Manager

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/05/2001

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11653-001		11/05/2001	1400	Water	STORMWATER TANKS

REPORT DATE: 11/07/2001 REPORT NUMBER: 11653 REV. 003 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
STORMWATER TANKS						
11653-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	63	mg/L	2	Gale S 11/06/2001
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K 11/06/2001

COMMENTS:
Calculation error on previous report. Oil & Grease result has been corrected.

REVIEWED BY: _____
David Back - QS Manager

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/05/2001

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11653-001		11/05/2001	1400	Water	STORMWATER TANKS

REPORT DATE: 11/07/2001 REPORT NUMBER: 11653 REV. 003 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
STORMWATER TANKS						
11653-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	63	mg/L	2	Gale S 11/06/2001
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K 11/06/2001

COMMENTS:
Calculation error on previous report. Oil & Grease result has been corrected.

REVIEWED BY: David Back - QS Manager

7133 North Lombard Street, Portland, Oregon 97203
Phone: 503-286-9464 Fax: 503-285-7831

[redacted]

Fax

To: Koppers **From:** D. Bek

Pages: 1 of 2

Fax: **Date:** 11/7/01

Re:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

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☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Phone: (503) 286 3681
FAX: 503 285 2831
Sampler: T J Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Tot Phenols	Oil-Grease
	Storm Water Tanks		11-5-01	1400	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
T J Turner	11-5-01	Walt Dickerson	11-5-01 15:19
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

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CI Form 100 (COC) Rev B7/7/99

Koppers014147

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Phone: (503 2863681
FAX: (503) 2852831
Sampler: T J Turner ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Due Date ASAP

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil-Grease
	STORM WATER Tanks		11-15-01	1300	X

Relinquished By:	Date/Time	Received By:	Date/Time
T J Turner	1330 11-15-01		11/15/01 1355
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Phone: (503) 2863681
FAX: (503) 2852831
Sampler: T J Turner ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: Asap

Analyses To Be Performed: Oil - Grease

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	
	Storm Water Tanks		11-20-01	0915	X

Relinquished By:	Date/Time	Received By:	Date/Time
T J Turner	11-20-01		11/20/01 1008
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

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CI Form 100 (COC) Rev B7/7/99

Koppers014149

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind. Inc.

Attention: Amos Kamperer

Address: 7540 NW ST Helens rd. Portland, Or 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: J C Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority	Notification Method(s)
☐ Standard	☐ Telephone
☑ Rush	☐ FAX
Due Date ASAP	☐ Mail

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil - Grease
	Storm Water Tanks		11-28-01		X

Relinquished By:	Received By:	Date/Time
Signature: J C Turner	Signature:	11-28-01 0840
Printed Name: J C Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014150

STORM WATER
TANKS

6.26 PH
9.6 °C. Temp
11-28-01

STORM WATER TANKS

Temp 10.0°C

PH 6.28

11-29-01

Storm Water Tanks
9.9°C. Temp
6-26 PH
11-30-01

STORM Water Tanks

6.48 PH

12.4°C Temp

11-20-01

6.38 PH

11.1 °C. Temp

11-21-01

STORM Water Tanks

11-15-01

14.1°C Temp

8.6 PH

Stormwater Tanks

Storm water
Tanks
13.5° C. Temp
8.43 PH
11/16/01

11-5-01

Storm Water Tanks

6.52 PH

13.5 °C. Temp.

H-E-01
Stormwater Tanks
6.67 pH
10.6 °C Temp.

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

January 3, 2002

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Elliot J. Zais
Sr. Environmental Engineer

Reference: NPDES Permit No. 101642
Discharge Monitoring Report

Dear Mr. Zais,

Attached please find subject report for the month of December 2001.

There were no excursions for the month.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland, Environmental Services
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, Oregon 97210-3663

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

OR-000077-9	001	47430
PERMIT NUMBER	DISCHARGE NUMBER	101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	01	12	01	TO	01	12	31

Form Approved.
OMB No. 2040-0004

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	21,290		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMPERATURE	SAMPLE MEASUREMENT				7.9	9.1	10.8	°C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
PH	SAMPLE MEASUREMENT				6.1	6.6	6.8	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				2.3	5.1	7.5	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				<2.0	10	15				
PHENOLS	SAMPLE MEASUREMENT				<0.05	<0.05	<0.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				<0.05	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R. D. Collins	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	James S. Kamerer	503-286-3681	02	01	03
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

CC: J. Holtrop, City of Portland, T. Self - KII, M. Cilley _ KII

Koppers014161

MONTHLY NPDES - DMR - WORK SHEET

Month & Year: Dec-02

MONTHLY FLOW DATA

Gallons per pumping(all 6 tanks)	# of pump.	# of Days/Emer. Pump.	Emer. Gals.	Total Gals.	Days/Month	Gals./Day Discharged
220,000	3		0	660000	31	21,290

SAMPLE TEST RESULTS

											# of Samples	LIMITS min.	LIMITS avg.	LIMITS max.	ACTUAL min.	ACTUAL avg.	ACTUAL max.	unit
Temperature	9.7	8.8	9.5	9.6	8.9	7.9	9.1	10.8	7.9	8.7	10	**n/a**	**n/a**	**n/a**	7.9	9.1	10.8	**C**
PH	6.8	6.7	6.7	6.7	6.1	6.4	6.5	6.7	6.4	6.5	10	**6.0**		**9.0**	6.1	6.6	6.8	**SU**
Oil & Grease	5.6	2.3	7.5								3	**0**	**10**	**15**	2.3	5.1	7.5	**mg/L**
Phenols	0										1	**0.0**	**0.5**	**0.7**	0.00	0.00	0.00	**mg/L**

QUARTERLY PAH SAMPLING

Date sample taken:

Test Results: **ug/L**
(Must be less than 1000 ug/L)

Koppers014162

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/03/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11783-001		12/03/2001	0800	Water	Stormwater Tanks

REPORT DATE: 12/03/2001 REPORT NUMBER: 11783 REV. 001 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
Stormwater Tanks						
11783-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	5.6	mg/L	2	Gale S 12/03/2001
Stormwater Tanks						
11783-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K 12/03/2001

REVIEWED BY: David J Back
David Back - QS Manager

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/11/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11848-001		12/11/2001	0900	Water	Stormwater Tank Grab

REPORT DATE: 12/13/2001 REPORT NUMBER: 11848 REV. 002 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
Stormwater Tank Grab						
11848-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.3	mg/L	2	Dick R 12/12/2001

REVIEWED BY: David Back

David Back - QS Manager

CERTIFICATE OF ANALYSIS

COPY

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/18/2001

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
11902-001		12/18/2001	0800	Water	Stormwater Tanks

REPORT DATE: 12/19/2001 REPORT NUMBER: 11902 REV. 003 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST DATE/TIME
Stormwater Tanks						
11902-001	O & G, TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	7.5	mg/L	2	Gale S 12/19/2001

REVIEWED BY: David Back

David Back - QS Manager

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☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kanner-ER
Address: 7540 No ST Helens Rd
Phone: (503) 2863681
FAX: (503) 2852831
Sampler: PO Tanner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed

Oil - Grease X

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time
	STORM WATER TANKS		12-18-01	0800

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12-18-01	[signature]	12/18/01 1130
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

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Koppers014166

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AND
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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd.
Phone: (503) 2863681
FAX: (503) 2852831
Sampler: T Turner ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☐ ~~Rush~~
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed: Oil & Grease

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	
	Storm Water Tanks		12-11-01	0900	X

Relinquished By:	Date/Time	Received By:	Date/Time
T Turner	12/11/01	Richard Obert	12/11/01 1245
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

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Koppers014167

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind. Inc.
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Phone: (503) 286-3681
FAX: (503) 2852831
Sampler: T.J. Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Total Phenols	Oil & Grease													
	STORM Water Tanks		12-3-01	0900	X	X													

Relinquished By:	Date/Time	Received By:	Date/Time
T.J. Turner	12-3-01	[signature]	12/3/01 0900
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: PO #
Laboratory Project Number: ☐ Cash/Check #
Due Date: Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014168

12-20-01
Storm water Tanks

Temp. 8.7 °C.

PH 6.52

Temp 10.8 °C

PH 6.70

12-18-01

Storm Water Tanks

Temp 7.9 °C.

pH 6.43

Storm Water Tanks

12-19-01

12-14-01

Storm Water Tanks

6.54 pH

9.1 °C Temp

12-11-01

Storm Water Tanks

PH 6.1

Temp 8.9°C

12-13-01

Temp 7.9 °C.

6.38 PH

Storm water

Tanks

pH 6.67
Temp 9.6 °C.
Storm WTR Tanks
12-2-01

12-3-01

Storm Water Tanks

PH 6.82

Temp. 9.7 °C.

12-4-01

Stormwater Tanks

Temp 8.8°C.

6.7 PH

12/5/01
Storm water Tanks
PH 6.7
Temp 9.5 °C.

Koppers014178

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month JANUARY Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	/					
2	/	/	/			
3	/					
4	/			/	/	
5				/	/	
6				/	/	
7	/			/	/	
8	/					
9	/					
10	/	/				
11	/					
12				/	/	
13				/	/	
14	/			/	/	
15	/					
16	/					
17	/					
18	/					
19	/					
20	/					
21	/					
22	/					
23	/					
24	/	/		/		
25	/		/	/		
26	/					
27	/		/	/		
28	/					
29	/					
30	/					
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month February Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓	✓	✓			
2				✓	✓	
3	✓					
4	✓					
5	✓					
6	✓					
7	✓	✓				
8	✓			✓	✓	
9						
10	✓				✓	
11	✓			✓	✓	
12	✓					
13	✓					
14	✓					
15	✓	✓				
16	✓			✓		
17					✓	
18	✓					
19	✓					
20	✓					
21	✓	✓				
22	✓					
23				✓	✓	
24						
25	✓					
26	✓					
27	✓					
28	✓					
29	✓	✓	✓			
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month March Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓	✓	✓	✓	✓	
2	✓			✓	✓	
3	✓					
4	✓					
5	✓					
6						
7	✓					
8	✓	✓				
9	✓	✓				
10	✓	✓				
11	✓					
12	✓					
13	✓	✓				
14				✓	✓	
15	✓					
16	✓					
17				✓	✓	
18	✓					
19	✓					
20	✓					
21	✓	✓				
22				✓	✓	
23	✓					
24	✓					
25	✓					
26	✓					
27	✓		✓			
28	✓	✓				
29	✓			✓	✓	
30	✓			✓	✓	
31	✓					

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month April Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13		✓	✓			
14				✓	✓	
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓	✓		✓	✓	
27	✓					
28	✓					
29	✓					
30	✓					
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month May Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
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26						
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28						
29						
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month June Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓	✓	✓			
13	✓					
14	✓					
15				✓	✓	
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓					
29	✓					
30	✓					
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month July Year 2008

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5						
6						
7						
8						
9						
10	✓					
11	✓					
12						
13						
14						
15						
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month August Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓					
29	✓					
30	✓					
31	✓					

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month September Year 2010

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	/					
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/					
11	/					
12	/	/	/			
13	/					
14				/	/	
15				/	/	
16	/					
17	/					
18	/					
19	/					
20	/					
21	/					
22	/					
23	/					
24	/					
25	/					
26	/					
27	/					
28	/					
29	/					
30	/					
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month October Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓	✓	✓	✓	✓	
11						
12	✓					
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓					
29	✓	✓				
30		✓		✓	✓	
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month November Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	/					
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/					
11	/					
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18	/					
19	/					
20	/					
21	/					
22	/					
23	/					
24	/					
25	/					
26	/					
27	/	/	/			
28	/			/	/	
29				/	/	
30				/		
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month December Year 2000

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1						
2						
3						
4						
5						
6						
7						
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9						
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Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month January Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓	✓	✓			
11	✓					
12				✓	✓	
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓	✓				
29	✓			✓	✓	
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month February Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	/					
7	/					
8	✓					
9	✓					
10	/					
11	/					
12	/					
13	/					
14	/					
15	/					
16	/					
17	/					
18	/	✓	✓			
19	/			✓	✓	
20				/	/	
21				/	/	
22	/			/		
23	/					
24	/					
25	/					
26	/					
27	/					
28	/					
29						
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month March Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
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30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month April Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	/					
2	/					
3	/					
4	/					
5	/					
6	/					
7	/					
8	/					
9	/					
10	/	/	/			
11						
12				/	/	
13	/					
14	/					
15	/					
16	/					
17	/					
18	/					
19	/					
20	/					
21	/					
22	/		/			
23	/	/				
24	/					
25	/			/	/	
26	/					
27	/					
28	/					
29	/					
30	/					
31	/					

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month May Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓	✓	✓			
2	✓			✓	✓	
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓	✓		✓	✓	
29	✓	✓				
30				✓	✓	
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month June Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓	✓	✓			
26	✓					
27	✓			✓	✓	
28	✓					
29	✓					
30	✓					
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month July Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓					
29	✓					
30	✓					
31	✓					

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month August Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓					
29	✓					
30	✓					
31	✓					

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month September Year 2021

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓	✓	✓			
4	✓	✓	✓			
5	✓			✓	✓	
6						
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓	✓				
16	✓	✓				
17	✓	✓				
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓					
29	✓					
30	✓					
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month October Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓	✓	✓			
9	✓				✓	
10				✓	✓	
11	✓			✓	✓	
12						
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓	✓				
24	✓					
25				✓	✓	
26						
27						
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29						
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month November Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓	✓	✓			
6				✓	✓	
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓	✓				
16				✓	✓	
17	✓					
18	✓					
19	✓					
20	✓	✓				
21				✓	✓	
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓	✓				
29				✓	✓	
30				✓	✓	
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month December Year 2001

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓				✓	
3		✓	✓	✓	✓	
4				✓	✓	
5				✓	✓	
6				✓	✓	
7	✓					
8	✓					
9	✓					
10	✓	✓				
11	✓	✓				
12	✓			✓	✓	
13				✓	✓	
14	✓			✓	✓	
15	✓					
16	✓					
17	✓	✓				
18	✓	✓				
19				✓	✓	
20	✓			✓	✓	
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓					
29	✓					
30	✓					
31	✓					

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

101642	001
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*

3077-J
47430

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	01	01	TO	00	01	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX. *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	21,290		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				4.3	8.9	11.3	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.2	7.0	7.6	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	.9	2.8	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
Phenols	SAMPLE MEASUREMENT				.16	.16	.16	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	James S. Kamerer, Plt. MGR	503 286-3681	00	02	02
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

First Quarter 2000 PAH results are attached

cc: J. Holtrop - City of Portland, T.I. Self - KII

Koppers014203

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH JANUARY YEAR 2000

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # of TANKS	Days of Emergency Pumping / Day	#DAYS IN MONTH	TOTAL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	111	111	111	111	111	111					
GALS.PUMPED	135,000	✓	✓	✓	60,000	✓			31	660,000	21,290

SAMPLE CONCENTRATION LEVELS

								LIMITS min.	LIMITS AVG.	LIMITS max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	10.6	9.3	4.3	11.3	9.7	7.6	9.4				4.3	8.9	11.3	°F
PH	6.8	7.1	6.8	6.2	7.1	7.6	7.6	6.0		9.0	6.2	7.0	7.6	SU
OIL & GREASES	NO	NO	2.8					0	10	15	N.D.	.9	2.8	MG/L
PHENOLS	.16							0	.5	.7	.16	.16	.16	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 1 \ 3 \ 00 RESULTS 356.09 (MUST BE LESS THAN 1000)

Koppers014204

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 01/03/19

PROJECT NAME: WASTE WATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
000006-001		01/03/2000	1000	Water	WASTE WATER GRAB SAMPLE

REPORT DATE: 01/05/2000 REPORT NUMBER: 000006 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE		SAMPLE ID:				
000006-001	O & G TOTAL (HEM)	TOTAL OIL AND GREASE	ND	mg/L	2	Gordon L.
	PHENOLS, TOTAL	TOTAL RECOVERABLE PHENOLICS	0.16	mg/L	0.05	Dick R.
	PNAH 2	ACENAPHTHENE	7.7	ug/L	0.05	Jacob F.
	EPA 625 (SIM)	ACENAPHTHYLENE	1.3	ug/L	0.05	
		ANTHRACENE	5.2	ug/L	0.05	
		BENZO(A)ANTHRACENE	24	ug/L	0.05	
		BENZO(A)PYRENE	42	ug/L	0.2	
		BENZO(B)FLUORANTHENE	30	ug/L	0.2	
		BENZO(GHI)PERYLENE	34	ug/L	0.5	
		BENZO(K)FLUORANTHENE	29	ug/L	0.2	
		CHRYSENE	29	ug/L	0.05	
		DIBENZO(AH)ANTHRACENE	5.6	ug/L	0.3	
		FLUORANTHENE	46	ug/L	0.05	
		FLUORENE	5.5	ug/L	0.05	
		INDENO(1,2,3-CD)PYRENE	38	ug/L	0.4	
		NAPHTHALENE	0.79	ug/L	0.05	
		PHENANTHRENE	16	ug/L	0.05	
		PYRENE	42	ug/L	0.05	
		SURROGATE	77%	% RECOVERY 50%-150%		

REVIEWED BY: _____
Martin Little - Quality Manager

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 01/11/20

PROJECT NAME: W W TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0059-001		01/11/2000	0900	Water	WASTE WATER GRAB SAMPLE

REPORT DATE: 01/11/2000 REPORT NUMBER: 000059 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE		SAMPLE ID:				
0059-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gordon L.

REVIEWED BY: _____
Martin Little - Quality Manager

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 01/25/20

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0153-001-01		01/24/2000	1400	Water	WWTks

REPORT DATE: 01/25/2000 REPORT NUMBER: 0153 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks		SAMPLE ID:				
0153-001-01	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.8	mg/L	2	Gordon L.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

- ☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
- ☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
- ☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821
- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd - Portland OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2871

Sampler: Dave Kar T ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: 4 SAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil & Grease
	WWTKS		1-24-00	1400	

Relinquished By:	Received By:	Date/Time
Signature:	Signature: [signature]	1400
Printed Name:	Printed Name: TJ Turner	1-24-00
Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	1/25/00
Printed Name: TJ Turner	Printed Name:	0820

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014208

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

- ☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
- ☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
- ☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821
- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW ST Helens Rd
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: Dave Bart ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Analyses To Be Performed: Oil - Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time
	WW Tks		1-11-00	0900

Relinquished By:	Received By:	Date/Time
Signature:	Signature: [signature]	1-11-00
Printed Name:	Printed Name: TJ Turner	0900
Relinquished By: Signature: [signature]	Received By: Signature: [signature]	Date/Time 1/11/00
Printed Name: TJ Turner	Printed Name:	0900

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014209

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑	7133 N. Lombard, Portland, OR 97203	Ph: (503) 286-9464 Fax: (503) 285-7831
☐	4901 E. 20th Street, Fife, WA 98424	Ph: (253) 922-8781 Fax: (253) 922-8957
☐	613 Escobar Street, Martinez, CA 94553	Ph: (510) 229-0360 Fax: (510) 229-2821
☐	790 Basin Street, Unit #2, San Pedro, CA 90731	Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Kamman Ind Inc

Attention: Amos Kammen

Address: 7540 NW St Helens Rd

Portland

Phone: (503) 286 3681

FAX: 503 285 2831

Sampler: TJ Tuttle Dave Burt ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority / Notification Method(s)

☐ Standard ☐ Telephone

☑ Rush ☐ FAX

Due Date 1-9-11 ☐ Mail

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Bonds	Oil & Grease	8141
	WW Tks		1-3-11	1000	X	X	X

Relinquished By: Signature: TJ Tuttle Printed Name: TJ Tuttle	Received By: Signature: Dave Burt Printed Name: DAVE BURT	Date/Time
Relinquished By: Signature: Printed Name:	Received By: Signature: Printed Name:	Date/Time 1/3/11 1430

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014210

7.62 ph
@
7.6 °C
1-25-00

7.59 pH
@

9.4 °C
1-28-00

6.20 pH

@

11.3 °C

01-13-99

7.08 pH

@

9.7 °C

9-14-00

6.82 PM.

@

10.6 °C

01-05-00

WWTKS

7-11 PM.

@

9.3 °C

01-07-00

1-12-00
WWTRS

4.3 °C.

6.84 PH

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

101642	002	3077-J / 47430
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*	

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	02	01	TO	00	02	29
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT		37,931	GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				8.5	10.1	11.9	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				7.2	7.4	7.6	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	3.7	7.1	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Brian S. Kamerer, Plt. Mgr.	503 286-3681	00	03	03
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop-City of Portland, T.I. Self-KII

Koppers014218

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH Feb. YEAR 00

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Continuous Pumping	#DAYS IN MONTH	TOTAL ALL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS	/ Day			
# OF PUMPINGS	~~++++~~	~~++++~~	~~++++~~	~~++++~~	~~++++~~	~~++++~~					
GALS.PUMPED	225,000	✓	✓	✓	100,000	✓	1,100,000		29	1,100,000	37,931

SAMPLE CONCENTRATION LEVELS

														LIMITS			MIN.	AVG.	MAX.	UNIT
														Min.	Avg.	Max				
TEMPERATURES	10.4	8.5	11.9	8.5	10.9	9.1											8.5	10.1	11.9	°F
PH	7.5	7.6	7.2	7.3	7.6	7.2								6.0		9.0	7.2	7.4	7.6	SU
OIL & GREASES	2.8	4.7	7.1	ND										0	10	15	ND	3.7	7.1	MG/L
PHENOLS	ND													0	.5	.7	ND	ND	ND	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _____ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014219

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/01/20

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0192-001		02/01/2000	0900	Water	WW TKS

REPORT DATE: 02/03/2000 REPORT NUMBER: 0192

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS		SAMPLE ID:				
0192-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.8	mg/L	2	Gordon L.
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	mg/L	0.05	Abby K.

REVIEWED BY: Martin Little
Martin Little - Quality Manager

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/08/20

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0242-001-01		02/08/2000	0900	Water	WW TKS

REPORT DATE: 02/09/2000 REPORT NUMBER: 0242 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS		SAMPLE ID:				
0242-001-01	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	4.7	mg/L	2	Gordon L.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/15/20

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0296-001-01		02/15/2000	1030	Water	WW TKS

REPORT DATE: 02/17/2000 REPORT NUMBER: 0296 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS		SAMPLE ID:				
0296-001-01	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	7.1	mg/L	2	Gordon L.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/22/20

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0338-001		02/22/2000	0800	Water	WW TKS

REPORT DATE: 02/23/2000 REPORT NUMBER: 0338

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS						
0338-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gordon L.

REVIEWED BY: _____
Martin Little - Quality Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind. Inc.
Attention: Amos Kamerer
Address: 7540 Nw St Helens Rd.
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: _____ ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: Asap

Analyses To Be Performed: Grease

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Grease
	WW TKs		2-22-00	0800	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	2-22-00	[signature]	2/22/00 0855
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014224

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD
AND
NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind. Inc
Attention: Amos Kamerer
Address: 7540 N. St Helens
Phone: (503) 2863681
FAX: (503) 2852831
Sampler: _____ ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed: Oil-Grease

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	
	WW TKS		2-15-00	1030	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	2-15-00	[signature]	2/15/00 12 45
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014225

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: Dave Brant ☑ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Due Date: ASAP

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil & Grease
	WW TKS		2-8-00	0900	X

Relinquished By:	Date/Time	Received By:	Date/Time
Dave Brant	2-08-00 1200		0900 2-8-00
Relinquished By:	Date/Time	Received By:	Date/Time
			2/8/00 1210

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014226

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Cameron
Address: 7540 NW ST Helens Rd
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: Dave Earl ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Due Date ASAP

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil-Grease	Analyses To Be Performed: BTEX/MTBE
	W.W. TKs -		2-1-00	0900	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
	2-1-00 10:11		0900 2-1-00
Relinquished By:	Date/Time	Received By:	Date/Time
			2/1/00 1022

FOR LABORATORY USE ONLY

Inspection Job Number: PO #
Laboratory Project Number: ☐ Cash/Check #
Due Date: Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014227

7.15 pH

@

9.1 °C

2-24-00

7.56 ph

@

10.9 °C

02-22-2000

7.27 PH

C°

9.5 C°

02-17-00

7.58 PH

@

8.5° C.

2-11-00

7.24 ph.

@

11.9 °C

02-09-00

7.53 ph

WW TK5

10.4 °C

2.2.00

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens, Road
Portland Oregon 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
	003

47430
101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM / TO	00	03	01		00	03	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read Instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING			*(4 Card Only)* QUANTITY OR CONCENTRATION				NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
		AVERAGE *(46-53)*	MAXIMUM *(54-61)*	UNITS	MINIMUM *(38-45)*	AVERAGE *(46-53)*	MAXIMUM *(54-61)*	UNITS			
FLOW	SAMPLE MEASUREMENT	42,742		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				9.0	10.0	10.7	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.8	7.0	7.2	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	2.9	4.9	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. MGR	503	286-3681	00	04	05
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop - City of Portland, T.I. Self - KII

Koppers014234

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH March YEAR 2000

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL OF TANKS	Days of Emergency Pumping / Day	#DAYS IN MONTH	TOTAL M11	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	5	✓	✓	✓	✓	✓					
GALS.PUMPED	225,000	✓	✓	✓	100,000	✓			31	1,325,000	42,742

SAMPLE CONCENTRATION LEVELS

								LIMITS Min.	LIMITS Avg.	LIMITS Max	NN.	AVG.	MAX.	UNIT
TEMPERATURES	9.0	9.0	10.6	9.9	10.6	10.7	10.2				9.0	10.0	10.7	°F
PH	7.0	6.8	7.0	7.2	7.1	7.1	6.9	6.0		9.0	6.8	7.0	7.2	SU
OIL & GREASES	4.5	N.D.	4.9	2.1				0	10	15	N.D.	2.9	4.9	MG/L
PHENOLS	ND							0	.5	.7	N.D.	N.D.	N.D.	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _____ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014235

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/29/20

PROJECT NAME:

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0385-001-01		02/29/2000	1100	Water	W W TKS

REPORT DATE: 03/01/2000 REPORT NUMBER: 0385 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
W W TKS		SAMPLE ID:				
0385-001-01	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	4.5	mg/L	2	Dick R.
W W TKS		SAMPLE ID:				
0385-001-01	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Dick R.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/13/20

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0479-001		03/13/2000	1100	Water	WW TKS

REPORT DATE: 03/16/2000 REPORT NUMBER: 0479 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS						
0479-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gordon L.

REVIEWED BY: Martin Little - Quality Manager

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/20/20

PROJECT NAME: WW TKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0532-001-01		03/20/2000	0830	Water	WASTE WATER GRAB SAMPLE

REPORT DATE: 03/21/2000 REPORT NUMBER: 0532 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE		SAMPLE ID:				
0532-001-01	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	4.9	mg/L	2	Gordon L.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/28/20

PROJECT NAME: WW TKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0599-001-01		03/28/2000	1500	Water	WW TKS

REPORT DATE: 03/29/2000 REPORT NUMBER: 0599 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS		SAMPLE ID:				
0599-001-01	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.1	mg/L	2	Gordon L.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 3-28-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Hamaker
Address: 7540 N.W. St Helens Rd
Portland, Or 97210
Phone: ( ) 286 3681
FAX: ( ) 2852831
Sampler: _____ ☐ Submitted

Project Name: _____
Project Number: _____

Testing Priority: ☐ Normal ☑ Rush
Due Date ASAP

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil & Grease
	WWTKS		3-28-00	1500	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1510 3-28-00	[signature]	3/28/00 1510
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

FOR LABORATORY USE ONLY

Inspection Sample Number: _____
Laboratory Project Number: _____
Due Date: _____
Sample Disposition: ☐ Normal ☐ Special _____

Method of payment
PO # _____
☐ Credit
☐ Cash/Check # _____
Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014240

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 3-20-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc.
Attention: Amos Kameker
Address: 7540 Nw St Helens Rd.
Portland, OR 97210
Phone: (503) 286 3681
FAX: (503) 2852831
Sampler: _____ ☐ Submitted

Project Name: _____
Project Number: _____

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Analyses To Be Performed: Oil-Grease

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WWTks		3-20-00	0830	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3-20-00	[signature]	3/20/00 1130
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

FOR LABORATORY USE ONLY
Inspection Sample Number: _____
Laboratory Project Number: _____
Due Date: _____
Sample Disposition: ☐ Normal ☐ Special _____

Method of payment
PO # _____
☐ Credit
☐ Cash/Check # _____
Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014241

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: _____ ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed: Oil-Grease

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WWTKS		3-13-00	1100	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	3-13-00	[signature]	3/13/00 1055
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014242

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kumerer
Address: 7540 NW St Helens Rd.
Phone: (503) 286 3682
FAX: (503) 2852831
Sampler: _____ ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil & Grease	Analyses To Be Performed: Total Phenols
	WW TK3		2-29-00	1100	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	2-29-00	[signature]	2/29/00 1150
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014243

6.91 pH.

@

10.2 °C

3-30-00

7.05 ph

@

10.7°C

3.22.00

Koppers014245

7.02 pH

@

10.6 °C

3-14-00 TANK

7.16 Ph

@

9.9 °C

3-14-00 Ground.

7.10 pH

@ Tank

10.6 °C

3-17-00

6.79 pH

@

9.0°C

03-02-00

7.04 ph

CO

9.0 °C

03-02-00

Standing Water

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
	004

47430
101642

Form Approved.
OMB No. 2040-0004-
Approval expires 05-31-98

MONITORING PERIOD

	YEAR *(20-21)*	MO *(22-23)*	DAY *(24-25)*		YEAR *(26-27)*	MO *(28-29)*	DAY *(30-31)*
FROM	00	04	01	TO	00	04	30

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		(3 Card Only) QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
Flow	SAMPLE MEASUREMENT	14,667		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
Temp	SAMPLE MEASUREMENT				13.5	14.6	15.7	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				7.2	7.6	8.0	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				N.D.	1.7	3.4	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
Phenols	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt Mgr.	503 286-3681	00	05	02
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Second quarter PAH results are attached.

cc: J. Holtrop-City of Portland, T.I. Self-KII

Koppers014251

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 04/13/20

PROJECT NAME: WW TKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
0723-001		04/13/2000	1000	Water	WASTE WATER GRAB SAMPLE

REPORT DATE: 04/17/2000 REPORT NUMBER: 0723 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE						
0723-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.4	mg/L	2	Gordon L.
	PNAH 1 EPA 625	ACENAPHTHENE	4.0	ug/L	0.05	Jacob F.
		ACENAPHTHYLENE	1.7	ug/L	0.05	
		ANTHRACENE	1.4	ug/L	0.05	
		BENZO(A)ANTHRACENE	5.7	ug/L	0.05	
		BENZO(A)PYRENE	7.9	ug/L	0.2	
		BENZO(B)FLUORANTHENE	7.2	ug/L	0.2	
		BENZO(GHI)PERYLENE	5.8	ug/L	0.5	
		BENZO(K)FLUORANTHENE	6.4	ug/L	0.2	
		CHRYSENE	7.0	ug/L	0.05	
		DIBENZO(AH)ANTHRACENE	2.3	ug/L	0.3	
		FLUORANTHENE	9.7	ug/L	0.05	
		FLUORENE	2.3	ug/L	0.05	
		INDENO(1,2,3-CD)PYRENE	5.2	ug/L	0.4	
		NAPHTHALENE	13	ug/L	0.05	
		PHENANTHRENE	3.9	ug/L	0.05	
		PYRENE	8.4	ug/L	0.05	
		SURROGATE	106%	%RECOVERY	50%-150%	
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	mg/L	0.05	Abby K.

REVIEWED BY: Martin C. Little
Martin Little - Quality Manager

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 04/26/2000

PROJECT NAME: STORM WATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
00807-001		04/26/2000	1100	Water	STORM WATER TANK GRAB WATER SAMPLE

REPORT DATE: 04/26/2000 REPORT NUMBER: 00807 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
STORM WATER TANK GRAB WATER SAMPLE						
00807-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gordon L.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH April YEAR 2000

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # of TANKS	Days of Emergency Pumping / Day	#DAYS IN MONTH	TOTAL GAL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	11	11	11	11	11	11					
GALS.PUMPED	90,010	✓	✓	✓	90,100	✓			30	440,000	14,667

SAMPLE CONCENTRATION LEVELS

											LIMITS						
											min	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	15.7	13.5												13.5	14.6	15.7	°F
PH	7.2	8.0									6.0		9.0	7.2	7.6	8.0	SU
OIL & GREASES	3.4	NO									0	10	15	N.D.	1.7	3.4	MG/L
PHENOLS	NO										0	.5	.7	N.D.	N.D.	N.D.	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 4/13/00 RESULTS 91.9

(MUST BE LESS THAN 1000)

Koppers014254

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd.
Phone: (503) 2863681
FAX: (503) 2852831
Sampler: TJ Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Due Date ASAP

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Analyses To Be Performed: Oil - Grease

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	
	S.W. TKS		4-26-00	1100	X
	Storm Water Tanks				

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4-26-00	[signature]	4/26/00 1220
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: PO #
Laboratory Project Number: ☐ Cash/Check #
Due Date: Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014255

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 4-13-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kumerer
Address: 7540 NW St Helens Rd.
Portland, Or 97210
Phone: 503 286 3681
FAX: 503 285 2831
Sampler: [signature] ☐ Submitted

Project Name:
Project Number:

Testing Priority
☐ Normal
☑ Rush
Due Date ASAP

Notification Method(s)
☐ Telephone
☐ FAX
☐ Mail

Analyses To Be Performed

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Total Phenols	Oil Grease	P.A.H.
	WWTKC		4-13-00	1000	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4-13-00 10:30		
Relinquished By:	Date/Time	Received By: Gordon Gaudenbach Columbia Inspection, Inc.	Date/Time 11:45 4/13/00

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014256

7.21 pH

@

15.7 °C

04-14-00

8.0 Ph.

@ 04-17-00

13.5 °C

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Northwest Region Portland Office
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5263
FAX (503) 229-6957
TTY (503) 229-5471

JUL 06 2000

Amos S. Kamerer
Plant Manager
Koppers Industries, Inc.
7540 NW St. Helens Road
Portland OR 97210

Re: WQ-Multnomah County
Koppers Industries, Inc.
Facility No. 47430
WQ-NWR-2000-75
NOTICE OF NONCOMPLIANCE

A review of your facility discharge monitoring report for May 2000 for your NPDES individual permit shows the following permit limit exceedance:

Violation: Monthly average phenols concentration of 0.54 mg/L. Your permit limit is 0.5 mg/L.

The above violation is a Class II violation of your permit. Oregon Administrative Rule 340-12-041(2)(c) provides that a permittee shall not receive more than three NONs for Class II violations of the same permit within a thirty-six (36) month period without being issued a more formal enforcement action called a Notice of Permit Violation (NPV). The Department may, however, issue a NPV prior to the third NON. The Department requests your cooperation in ensuring that this violation does not recur.

Corrective Action Required:

Your June 5th letter stated that you took only one phenol sample in May and that since it was below the permit daily maximum limit of 0.7 mg/L, you believed you were in compliance. There is no required corrective action, but the Department recommends additional sampling if a single sample is higher than the average. If you collect only one sample during a given month, it must be below the monthly average limit to be in compliance.

This Notice of Noncompliance suggests you use pollution prevention activities. Using pollution prevention can save you money through lower costs for resources or raw materials, energy and water, waste disposal or waste management, pollution control

DEQ-DC1

equipment, occupational injuries, and DEQ permit costs, emission fees, and hazardous waste generation fees. Pollution prevention can also lead to improved worker health and safety, and increased efficiency or productivity through diverting investments in waste management into the manufacturing process.

What is pollution prevention? Preventing environmental degradation at the source. Pollution prevention can be achieved by:

- protection of natural resources by conservation and improved management practices;
- increased efficiency in the use of raw materials, energy, water, or other resources; or
- source reduction and other practices that reduce or eliminate the creation of pollutants.

The brochure, Industry and the Environment, Pollution Prevention Opportunities, is enclosed for additional information.

Please contact Kevin Masterson, DEQ Northwest Region, 503/229-5615, if you have pollution prevention questions.

Please contact Elliot Zais, DEQ Northwest Region, 503/229-5292, if you have questions about this Notice of Noncompliance.

Sincerely,

Robert P. Baumgartner
Manager, Water Quality Source Control
Northwest Region

cc: WQ Division, DEQ
Enforcement Section, DEQ

cc: J. Dietz
T. Self
M. Crilley

F.Y.I.

Amos 7/10/00

RECEIVED

JUL - 7 2000

KOPPERS INDS, INC.
PORTLAND OR

DEQ-DC1

KOPPERS INDUSTRIES

Amos S. Kamerer
Plant Manager

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Telephone: 503-286-3681
Fax: 503-285-2831

June 5, 2000

Oregon department of Environmental Quality
Northwest Region
2020 SW fourth Avenue, Suite 400
Portland, Oregon 97201-4987

Attention: Elliot Zais

To confirm our telephone conversation of last Friday, June 02, 2000 attached please find the Discharge Monitoring Report for May 2000.

As discussed, this report reflects that we had an excellence during the month of May, of our Phenols permit limit. The permit limit is .5 MG/L monthly average, and .7 MG/L maximum daily limit. The test result on our first sample for the month was .54 MG/L, and because it was below the .7 MG/L maximum limit, it was thought to be OK.

We now understand that we should have re-sampled and re-tested for verification or possible correction, prior to the discharge of the storm water.

Needless to say I regret the error, and I will do all that I can to avoid having this type of error happening again.

If you have any questions, please contact me at 286-3681, or via e-mail at: amos_kamerer@koppers.com

Sincerely,

Amos S. Kamerer

CC: J. Holtrop, City of Portland
J. Dietz, KII
T. Self, KII
M. Cilley, KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
	005

47430
101642

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	05	01	TO	00	05	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	21,290		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				13.8	15.5	18.2	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.8	7.4	7.8	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	2.5	5.1	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.54	.54	.54	MG/L	1	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. MGR	503	286-3681	00	06	05
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop - City of Portland, T.I. self - KII

Koppers014262

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH May YEAR 2000

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping	#DAYS IN MONTH	TOTAL MIL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS	/ day			
# OF PUMPINGS	111	✓	✓	✓	✓	✓					
GALS.PUMPED	135,000	✓	✓	✓	60,000	✓		660,000	31		21,290

SAMPLE CONCENTRATION LEVELS

										LIMITS						
										min.	AVG.	max.	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	14.6	13.8	18.2										13.8	15.5	18.2	°F
PH	7.7	7.8	6.8							6.0		9.0	6.8	7.4	7.8	SU
OIL & GREASES	2.3	5.1	N.D.							0	10	15	N.D.	2.5	5.1	MG/L
PHENOLS	.54									0	.5	.7	.54	.54	.54	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _____ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014263

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/04/20

PROJECT NAME: MONTHLY DISCHARGE REPORT

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
00871-001		05/04/2000	0800	Water	STORM WATER TANK GRAB SAMPLE

REPORT DATE: 05/05/2000 REPORT NUMBER: 00871 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST
STORM WATER TANK GRAB SAMPLE						
00871-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.54	PPM	0.05	Dick R.
	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.3	mg/L	2	Gordon L.

REVIEWED BY: _____
Martin Little - Quality Manager

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/10/2000

PROJECT NAME: STORM WATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
00927-001		05/10/2000	1200	Water	STORM WATER GRAB SAMPLE

REPORT DATE: 05/11/2000 REPORT NUMBER: 00927 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
STORM WATER GRAB SAMPLE		SAMPLE ID:				
00927-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	5.1	mg/L	2	Gordon L.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/24/2000

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
01031-001		05/24/2000	1100	Water	Stormwater Tks

REPORT DATE: 05/25/2000 REPORT NUMBER: 01031 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tks		SAMPLE ID:				
01031-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Dick R.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Ann Kamerer
Address: 7540 NW ST Helens rd.
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: Dave Burt ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed
	Storm Water TKs	WW	5-24-00	1100	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5-24-00	[signature]	5/24/00 1405
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: PO #
Laboratory Project Number: ☐ Cash/Check #
Due Date: Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014267

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Anas Kanaan
Address: 7540 NW St Helens Rd
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: Dave Burkett ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Normal ☑ Rush
Due Date: ASAP

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil - Grease
	Storm Water TKS		5-10-00	1200	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/10/00	[signature]	5/10/00 1205
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014268

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 5-4-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc.
Attention: Aros Kamerer
Address: 7540 NW ST Helens Rd.
Portland, Or.
Phone: 503 286 3681
FAX: 503 285 2831
Sampler: Dave Burt ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☒ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Analyses To Be Performed

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Total Phenols
	Storm Water TKS		5-4-00	0800	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time 5/4/00 0855

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014269

5-25-00

6.8 pH

18.2° C.

Storm Water

TKS

7.76 PH

@

13.8 °C

05-11-00

7.68 PH

@

14.6 °C

05-08-00

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
	006

47430
101642

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD

	YEAR *(20-21)*	MO *(22-23)*	DAY *(24-25)*		YEAR *(26-27)*	MO *(28-29)*	DAY *(30-31)*
FROM	00	06	01	TO	00	06	30

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	7,333		GPD					0	n/a	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				17.0	17.0	17.0	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.5	6.5	6.5	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				2.5	2.5	2.5	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr	503 286-3681	00	07	10
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop - City of Portland, T.I. Self -KII Pittsburgh, M.A. Cilley - KII

Koppers014273

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH June YEAR 00

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping	#DAYS IN MONTH	TOTAL All	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	of TANKS	/Day			
# OF PUMPINGS	1	1	1	1	1	1					
GALS.PUMPED	45,000	✓	✓	✓	20,000	✓			30	220,000	7,333

SAMPLE CONCENTRATION LEVELS

		LIMITS MIN.	LIMITS AVG.	LIMITS MAX	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	17.0				17.0	17.0	17.0	°F
PH	6.5	6.0		9.0	6.5	6.5	6.5	SU
OIL & GREASES	2.5	0	10	15	2.5	2.5	2.5	MG/L
PHENOLS	NO	0	.5	.7	ND	ND	ND	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _____ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014274

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 06/13/2000

PROJECT NAME: MONTHLY STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
01164-001		06/13/2000	1200	Water	Stormwater Tanks
01164-001		06/13/2000	1200	Water	Stormwater Tanks

REPORT DATE: 06/14/2000 REPORT NUMBER: 01164 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tanks		SAMPLE ID:				
01164-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.5	mg/L	2	Dick R.
Stormwater Tanks		SAMPLE ID:				
01164-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Jeremy B.

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 6-13-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd
Portland, OR 97210
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: [signature] ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Analyses To Be Performed

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Total Phenols
	Storm Water Tks		6-13-00	1200	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	6/13/00 1300	[signature]	6/13/00 1355
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014276

6.46 pH

@

17.0 °C

0645-00

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
	007

47430
101642

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	07	01	TO	00	07	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer Plt. Mgr	503	286-3681	00	08	07
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
Nothing to report, there were no discharges made during the month

cc: J. Holtrop - City of Portland, T.I. Self -KII, M.A. Cilley - KII

Koppers014278

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
	008

47430
101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	08	01	TO	00	08	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503 286-3681	00	09	08
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Nothing to report, there were no discharges made during the month.

cc: J. Holtrop-City of Portland, T.I. Self-KII, M.A. Cilley-KII

Koppers014279

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*
(2-16) *(17-19)*

PERMIT NUMBER	DISCHARGE NUMBER
	009

47430
101642

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	09	01	TO	00	09	30
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX. *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	7,333		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				20.2	20.9	21.5	C	0	1/7	GRAB.
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.9	6.9	6.9	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				3.1	3.1	3.1	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.18	.18	.18	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	James S. Kamerer, Plt. MGR	503	286-3681	00	10	04
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Third Quarter PAH results are attached. cc: J. Holtrop - City of Portland, T.I. Self - KII, M.A. Cilley - KII

Koppers014280

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH Sept. YEAR 2000

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS
# OF PUMPINGS	1	1	1	1	1	1	
GALS.PUMPED							

Days of Emergency Pumping / Day

#DAYS IN MONTH 30

TOTAL FLOW 220,000

G.P.D. DISCHARGE 7,333

SAMPLE CONCENTRATION LEVELS

			LIMITS					
			min.	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	21.5	20.2				20.2	20.9	21.5	°F
PH	6.9	6.9	6.0		9.0	6.9	6.9	6.9	SU
OIL & GREASES	3.1		0	10	15	3.1	3.1	3.1	MG/L
PHENOLS	.18		0	.5	.7	.18	.18	.18	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 9\12\00

RESULTS 66.75

(MUST BE LESS THAN 1000)

Koppers014281

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 09/12/20

PROJECT NAME: STORM WATER ANALYSIS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
01772-001		09/12/2000	1000	Water	STORM WATER TANK GRAB WATER SAMPLE

REPORT DATE: 09/14/2000 **REPORT NUMBER: 01772** **PAGE: 1 OF 1**

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST
STORM WATER TANK GRAB WATER SAMPLE		SAMPLE ID:				
01772-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.1	mg/L	2	Gordon L 09/12/2000
STORM WATER TANK GRAB WATER SAMPLE		SAMPLE ID:				
01772-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.18	mg/L	0.05	Jeremy B 09/14/2000
STORM WATER TANK GRAB WATER SAMPLE		SAMPLE ID:				
01772-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	20	ug/L	0.05	Jacob F 09/14/2000
		ACENAPHTHYLENE	5.1	ug/L	0.05	
		ANTHRACENE	2.8	ug/L	0.05	
		BENZO(A)ANTHRACENE	2.0	ug/L	0.05	
		BENZO(A)PYRENE	1.7	ug/L	0.2	
		BENZO(B)FLUORANTHENE	1.8	ug/L	0.2	
		BENZO(GHI)PERYLENE	1.2	ug/L	0.5	
		BENZO(K)FLUORANTHENE	1.6	ug/L	0.2	
		CHRYSENE	2.8	ug/L	0.05	
		DIBENZO(AH)ANTHRACENE	0.74	ug/L	0.3	
		FLUORANTHENE	8.2	ug/L	0.05	
		FLUORENE	8.1	ug/L	0.05	
		INDENO(1,2,3-CD)PYRENE	1.0	ug/L	0.4	
		NAPHTHALENE	1.8	ug/L	0.05	
		PHENANTHRENE	0.91	ug/L	0.05	
		PYRENE	7.0	ug/L	0.05	
		SURROGATE	85%	% RECOVERY	50%-150%	

RECEIVED

SEP 18 2000

KOPPERS INDS, INC.
PORTLAND OR

REVIEWED BY: Martin Little

Martin Little - Quality Manager

9-15-00

6.9 pH

20.2°C. Temp

Storm Water TKs

6.88 pH

@

21.5 °C.

09-14-00

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW St. Helens Rd.
Phone: (503) 286 3681
FAX: (503) 2852831
Sampler: Dave Brant ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☑ Telephone ☐ FAX ☑ Mail
Due Date: ASAP

Analyses To Be Performed

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Total Phenols	P.A.H.	Oil-Grease
	STORM WATER TANKS		9-12-00	1000	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9-12-00 10:30 AM	[signature]	9/12/00 1003
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014285

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*

NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Rd.
Portland, Or 97210

FACILITY LOCATION NW Terminal
Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
	010

47430
101642

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	10	01	TO	00	10	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	14,194		GPD					0	n/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				13.9	15.5	17.1	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.3	6.5	6.7	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.4	2.7	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.06	.06	.06	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. MGR	503	286-3681	00	11	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Fourth Quater PAH results are attached

cc: J. Holtrop - City of Portland, T.I. Self - KII, M.A. Cilley - KII

Koppers014286

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH October YEAR 2001

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# OF TANKS
# OF PUMPINGS	11	11	11	11	11	11	
GALS.PUMPED	90,000	〃	〃	〃	40,000	40,000	

Days of Emergency Pumping / Day

#DAYS IN MONTH 31

TOTAL FILL 440,000

G.P.D. DISCHARGE 14,194

SAMPLE CONCENTRATION LEVELS

			LIMITS						
			min	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	17.1	13.9				13.9	15.5	17.1	°F
PH	6.7	6.3	6.0		9.0	6.3	6.5	6.7	SU
OIL & GREASES	NO	2.7	0	10	15	N.D.	1.4	2.7	MG/L
PHENOLS	.06		0	.5	.7	.06	.06	.06	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 10\11\00

RESULTS 32.5 (MUST BE LESS THAN 1000)

Koppers014287

CI CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 10/10/20

PROJECT NAME: STORM WATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
01943-001		10/10/2000	1000	Water	STORM WATER TANK WATER GRAB SAMPLE

REPORT DATE: 10/12/2000 REPORT NUMBER: 01943

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST
STORM WATER TANK WATER GRAB SAMPLE						
01943-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gordon L 10/12/2000
STORM WATER TANK WATER GRAB SAMPLE						
01943-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.06	mg/L	0.05	Jeremy B 10/11/2000
STORM WATER TANK WATER GRAB SAMPLE						
01943-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	0.60	ug/L	0.05	Dave M 10/11/2000
		ACENAPHTHYLENE	0.14	ug/L	0.05	
		ANTHRACENE	0.66	ug/L	0.05	
		BENZO(A)ANTHRACENE	2.1	ug/L	0.05	
		BENZO(A)PYRENE	2.8	ug/L	0.2	
		BENZO(B)FLUORANTHENE	3.4	ug/L	0.2	
		BENZO(GHI)PERYLENE	2.9	ug/L	0.5	
		BENZO(K)FLUORANTHENE	3.4	ug/L	0.2	
		CHRYSENE	3.3	ug/L	0.05	
		DIBENZO(AH)ANTHRACENE	1.5	ug/L	0.3	
		FLUORANTHENE	4.1	ug/L	0.05	
		FLUORENE	ND	ug/L	0.5	
		INDENO(1,2,3-CD)PYRENE	2.7	ug/L	0.4	
		NAPHTHALENE	ND	ug/L	0.5	
		PHENANTHRENE	1.4	ug/L	0.05	
		PYRENE	3.5	ug/L	0.05	
		SURROGATE	102	% RECOVERY	50%-150%	

REVIEWED BY: Martin Little - Quality Manager

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 10/30/20

PROJECT NAME: STORM WATER ANALYSIS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
02050-001		10/30/2000	1200	Water	STORM WATER TANK GRAB SAMPLE

REPORT DATE: 10/31/2000 REPORT NUMBER: 02050 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULTS	UNITS	DETECTION LIMIT	ANALYST
STORM WATER TANK GRAB SAMPLE						
02050-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.7	mg/L	2	Gordon L 10/30/2000

REVIEWED BY: _____
Martin Little - Quality Manager

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 10-30-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind. Inc.
Attention: Amos Kameker
Address: 7540 NW ST Helens Rd.
Portland Or 97210
Phone: (503) 2863682
FAX: (503 2852831
Sampler: TJ Turner ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☒ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Analyses To Be Performed: Oil & Grease

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	
	STORM WATER TKS		10/30/00	1200	X

Relinquished By:	Date/Time	Received By:	Date/Time
	1200 10-30-00		10/30/00 1240
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014290

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 10-10-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Portland OR 97210
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: Dave Burt ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☒ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: Asap

Analyses To Be Performed

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Phenols	Oil-Grease	P.A.H.
	Storm Water Tks		10/10/00	1000	X	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	10-10-00	[signature]	10/10/00 1410
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

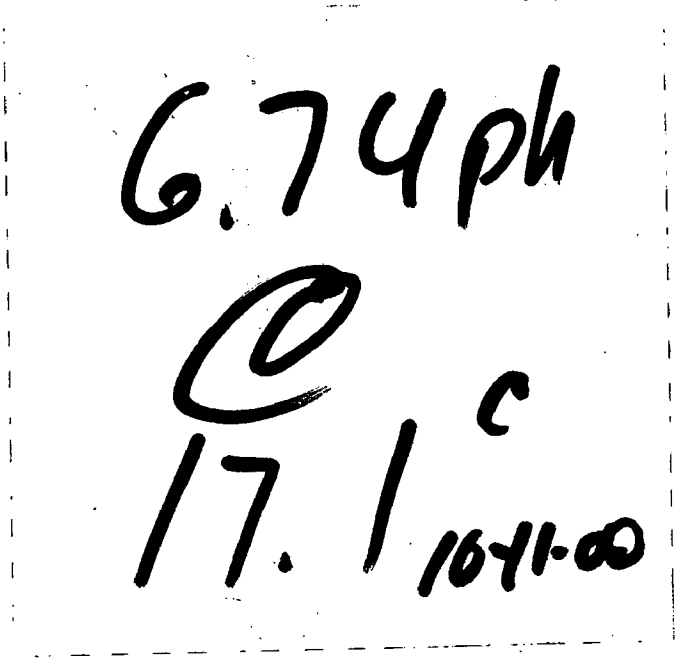
FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014291


6.74ph
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17.1°
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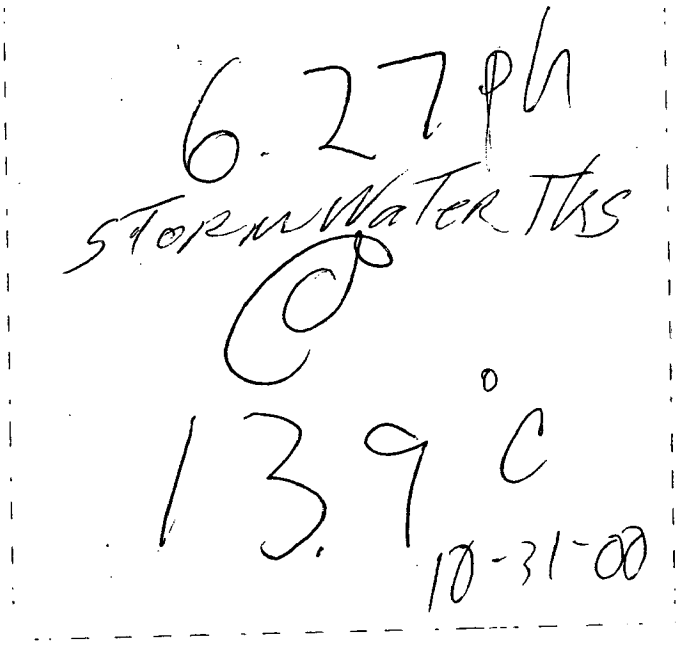

6.27 ph
Storm Water TKS
13.9 °C
10-31-00

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, Oregon 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER	DISCHARGE NUMBER
	011

47430
101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	11	01	TO	00	11	30

Form Approved.
OMB No. 2040-0004

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	7,333		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				7.5	7.6	7.8	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.4	6.5	6.7	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & GREASE	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
RD Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. MGR	503	286-3681	00	12	06
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop - City of Portland, TI Self - KII, MA Cilley - KII

Koppers014294

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH November YEAR 2000

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # OF TANKS	Days of Emergency Pumping /Day	#DAYS IN MONTH	TOTAL ALL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	1	1	1	1	1	1					
GALS.PUMPED									30	220,000	7,333

SAMPLE CONCENTRATION LEVELS

													LIMITS						
													min	AVG.	max	NN.	AVG.	MAX.	UNIT
TEMPERATURES	7.6	7.8	7.5													7.5	7.6	7.8	°F
PH	6.4	6.4	6.7										6.0		9.0	6.4	6.5	6.7	SU
OIL & GREASES	N.D.												0	10	15	N.D.	N.D.	N.D.	MG/L
PHENOLS	N.D.												0	.5	.7	N.D.	N.D.	N.D.	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _________ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014295

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/27/2000

PROJECT NAME: STORMWATERS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
02176-001		11/27/2000	0900	Water	Stormwater Tanks
02176-001		11/27/2000	0900	Water	Stormwater Tanks

REPORT DATE: 11/28/2000 REPORT NUMBER: 02176 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tanks		SAMPLE ID:				
02176-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gordon L. 11/29/2000
Stormwater Tanks		SAMPLE ID:				
02176-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Jeremy B. 11/28/2000

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 11-27-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Portland OR 97210
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: Dave Burt ☐ Submitted

Project Name: Stormwater
Project Number:

Testing Priority
☐ Normal
☑ Rush
Due Date ASAP

Notification Method(s)
☐ Telephone
☐ FAX
☐ Mail

Analyses To Be Performed

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Phenols
	Storm Water Tks		11-27-00	0900	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	11 27 00	[signature]	11/27/00 0920
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

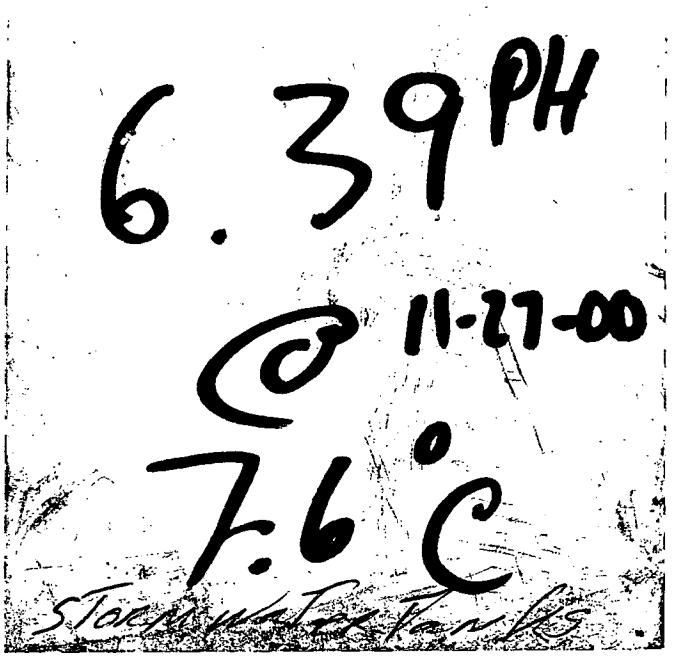
FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014297


6.39 PH
@ 11-27-00
7.6°C
Stormwater tanks

6.4 PH

7.8° C.

STORM WATER TKS
11-30-00

Stormwater TKs

6-7 PH

7.5 °C

11-29-00

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Rd.
Portland, Or 97210

FACILITY LOCATION NW Terminal
Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER	DISCHARGE NUMBER
	012

47430
101642

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	00	12	01	TO	00	12	31

Form Approved.
OMB No. 2040-0004

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				NO. EX	*FREQUENCY OF ANALYSIS*	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	14,194							0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				4.1	5.5	6.4	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.2	6.3	6.4	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.1	2.2	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	Amos S. Kamerer, Plt. MGR	503	286-3681	01	01	03
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop - City of Portland, TI Self - KII, M.A. Cilley - KII

Koppers014301

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH Dec. YEAR 2000

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL of TANKS	Days of Emergency Pumping /Day	#DAYS IN MONTH	TOTAL FLOW	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	11	11	11	11	11	11					
GALS.PUMPED	90,000	~	~	~	40,000	~			31	440,000	14,194

SAMPLE CONCENTRATION LEVELS

															LIMITS			MIN.	AVG.	MAX.	UNIT
															min.	Avg.	max				
TEMPERATURES	4.1	4.7	4.9	6.5	6.4	6.6												4.1	5.5	6.6	°F
PH	6.2	6.3	6.4	6.1	6.4	6.2									6.0		9.0	6.2	6.3	6.4	SU
OIL & GREASES	2.2	N.D.													0	10	15	N.D.	1.1	2.2	MG/L
PHENOLS	N.D.														0	.5	.7	N.D	N.D	N.D	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN ____\ ____\ ____\ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014302

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 286-2831

DATE SUBMITTED: 12/13/2000

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
02270-001		12/13/2000	1400	Water	Stormwater Tank
02270-001		12/13/2000	1400	Water	Stormwater Tank

REPORT DATE: 12/14/2000 REPORT NUMBER: 02270

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tank		SAMPLE ID:				
02270-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	2.2	mg/L	2	Dick R. 12/14/2000
Stormwater Tank		SAMPLE ID:				
02270-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Jeremy B. 12/14/2000

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

CERTIFICATE OF ANALYSIS
PARTIAL REPORT

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND, OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/20/2000

PROJECT NAME: STORMWATER TANKS

CI SAMPLE	CLIENTS ID#	DATE	TIME	MATRIX	DESCRIPTION
02308-001		12/20/2000	0700	Water	Stormwater Tanks

REPORT DATE: 12/21/2000 REPORT NUMBER: 02308 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Stormwater Tanks		SAMPLE ID:				
02308-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Dick R. 12/21/2000

** Draft Report **
Data in this report may not be complete. This report has not undergone final quality assurance review

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 12-20-00 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Andy Kammerer
Address: 7540 NW St Helens Rd.
Portland, OR 97210
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: Lambert ☐ Submitted

Project Name:
Project Number:
Testing Priority / Notification Method(s)
☐ Normal ☐ Telephone
☑ Rush ☐ FAX
Due Date ASAP ☐ Mail

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: D.I. - Rush
	Stan Waterks		12-2000	0700	X

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	12/20/00 0	[signature]	12/20/00 0855
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014305

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD AND NON-COMMERCIAL BILL OF LADING

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553 Ph: (925) 229-0360 Fax: (925) 229-2821
☐ 797 Channel Street, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind.
Attention: Amos Kamerer
Address: 7540 NW ST Helen-rd
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: T Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed

Sample id#	Sample Description/UN Number	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Phenols
	Storm Water Tks		12-13-00	1400	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
T Turner	12-13-00	Richard Olsen	12/13/00 1525
Relinquished By:	Date/Time	Received By:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ PO # _____
Laboratory Project Number: _____ ☐ Cash/Check # _____
Due Date: _____ Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B7/7/99

Koppers014306

6.07 ph

@ 12-21-00

6.5°C

Storm waters

6.4 PH

6.4°C Temp

12-22-00

12/23/00

Storm Water Tanks

PH 6.21

Temp - 6.6 °C.

12-13-00
Stormwater Tanks
Temp 4.1 °C.
pH 6.24

12-14-00

6.3 pH

4.7°C Temp.

Storm water tks

12-15-00
Storm Water TKS
4.9°C. Temp
6.4 PH

Land Quality

HOME **FORMS** PROFILE ADMIN

Production Database Site ID Form

User: kamereras **Role:** Administrator Log Off

RCRA Site ID: ORD027734359

Koppers Inc
7540 NW ST HELENS RD
PORTLAND, OR 97210

The Site ID Form has been submitted to DEQ. Therefore, changes to this record cannot be saved. If a modification is needed to a Site ID Form that is included as part of your annual report submission, please submit an amendment request. Otherwise, you will need to contact DEQ to modify your revised or withdrawn Site ID Form.

Site ID Form

1. Reason for Submittal

To provide **New** Notification of Regulated Waste Activity (complete entire form)

- ○ Initial notification ($200 non-refundable fee required)
- ○ Change in business ownership (represent the new owner) (No fee required)
- ○ Reactivation of RCRA Site ID Number ($200 non-refundable fee required)

○ To provide **Revised** Site Identification Information

To **Withdraw** Site Identification Number

- ○ Completion of RCRA waste activity
- ○ Change in business ownership (represent the old owner)

○ To **Admin-Withdraw** Site Identification Number

Effective Date 12/31/2004 (mm/dd/yyyy)

☑ To provide as a component of the **Annual Hazardous Waste Report** (skip sections 11, 12, and 13)

Reporting Year: 2004 If ownership changed: ◉ Filing for entire year ○ Filing for partial year

2. RCRA Site ID Number: ORD027734359

3. Site Location Information

Company Name	Koppers Inc *
Site Location	7540 NW ST HELENS RD *
	PORTLAND OR 97210
	MULTNOMAH
Corp. Div. Registry Nbr.	[redacted]
NAICS Code	325192 * [redacted]
Number of Employees	3

4. Site Contact

Person Name	Amos [redacted] Kamerer *
Mailing Address	7540 NW Saint Helens Road *
City	Portland *

State	Oregon *
Zip	97210-3663 * 12345-6789
Country	UNITED STATES *
Phone Number (Ext)	(503) 286-3681 * (123)123-4567, ext 1234
Email Address	kamereras@koppers.com

5. Land Owner

Organization Name	Northwest Natural Gas Co * (or provide Person Name below)
Person Name	
Mailing Address	220 NW 2nd Avenue *
City	Portland *
State	Oregon *
Zip	97209 * 12345-6789
Country	UNITED STATES *
Phone Number (Ext)	(503) 226-4211 * (123)123-4567, ext 1234
Owner Type	(•) Private ( ) Federal ( ) State ( ) County ( ) District ( ) Municipal ( ) Tribal ( ) Other *

6. Legal Owner

Organization Name	Koppers Inc * (or provide Person Name below)
Person Name	
Mail Address	436 7th Ave *
City	Pittsburgh *
State	Pennsylvania *
Zip	15219-1500 * 12345-6789
Country	UNITED STATES *
Phone Number (Ext)	(412) 227-2883 * (123)123-4567, ext 1234
Owner Since	12/29/1988 (mm/dd/yyyy)
Owner Type	(•) Private ( ) Federal ( ) State ( ) County ( ) District ( ) Municipal ( ) Tribal ( ) Other *

7. Site Operator

Organization Name	Koppers Inc * (or provide Person Name below)
Person Name	Amos Kamerer
Mail Address	7540 NW Saint Helens Road *
City	Portland *
State	Oregon *
Zip	97210-3663 * 12345-6789
Country	UNITED STATES *
Phone Number (Ext)	(503) 286-3681 * (123)123-4567, ext 1234
Operator Since	(mm/dd/yyyy)

Operator Type: (•) Private ( ) Federal ( ) State ( ) County ( ) District ( ) Municipal ( ) Tribal ( ) Other *

8. Forms Contact

Person Name	Amos Kamerer *
Organization Name	Koppers Inc
Title	
Mailing Address	7540 NW Saint Helens Road *
City	Portland *
State	Oregon *
Zip	97210-3663 * 12345-6789
Country	UNITED STATES *
Phone Number (Ext)	(503) 286-3681 * (123)123-4567, ext 1234
Email Address	kamereras@koppers.com *

9. Fee Contact

Person Name	Amos Kamerer *
Organization Name	Koppers Inc
Title	
Mail Address	7540 NW Saint Helens Road *
City	Portland *
State	Oregon *
Zip	97210-3663 * 12345-6789
Country	UNITED STATES *
Phone Number (Ext)	(503) 286-3681 * (123)123-4567, ext 1234
Email Address	kamereras@koppers.com

10. Type of Regulated Waste Activity

1. Generator of Hazardous Waste

( ) a. LQG: Large Quantity Generator (Generates greater than 2,200 lbs/mo or more than 2.2 lbs of acute hazardous waste)

( ) b. SQG: Small Quantity Generator (Generates between 220-2,200 lbs/mo or more than 2,200 lbs accumulated on-site)

(•) c. CEG: Conditionally Exempt Generator (Generates between 0-220 lbs/mo, less than 2.2 lbs of acute hazardous waste and less than 2,200 lbs accumulated on-site)

2. Are you a hazardous waste generator due to remediation of environmental contamination or a business closure?

( ) Yes

(•) No

If yes, find out about expedited annual reporting at: http://www.deq.state.or.us/wmc/hw/factsheets/HWFeesForCleanups.pdf

[ ] **3. Importer of Hazardous Waste**

[ ] **4. Generator of Mixed Radioactive Waste**

[ ] **6. Treatment, Storage, Disposal (TSD) Facility**
(Note: A RCRA Permit is required for this activity)

7. Recycler of Hazardous Waste

[ ] a. Recycles HW generated at this facility

[ ] b. Recycles HW generated by other facilities

8. Hazardous waste management in RCRA permit exempt units (e.g., elementary neutralization units, waste water treatment units, or accumulation tanks or containers)

[ ] a. Manages HW generated at this facility

[ ] b. Manages HW generated by other facilities

9. Exempt Boiler and/or Industrial Furnace

[ ] a. Small Quantity On-site Burner Exemption

[ ] b. Smelting, Melting, Refining Furnace Exemption

10. Underground Injection Control

( ) Yes

(•) No

5. Transporter of Hazardous Waste

- ☐ a. Transports hazardous waste generated at this facility
- ☐ b. Transports for commercial purposes
- ☐ c. Hazardous Waste Transfer Facility

If yes, there may be additional reporting requirements at: http://www.deq.state.or.us/wq/groundwa/uichome.htm

11. Description of Hazardous Waste (Not required if part of an annual report)

1. Waste Codes for Federally Regulated Hazardous Wastes: Identify those codes that best describe your waste.(e.g., D001 - Ignitable, D002 - Corrosive, D003 - Reactive, etc) Enter the code only, separated by commas.

2. Waste Codes for State Regulated Hazardous Wastes: Identify those codes that best describe your waste. (e.g., ORX001, ORX007, ORP003, ORU001, etc) Enter the code only, separated by commas.

12. Universal Waste Activities (Mark the appropriate boxes for activities that apply to your site)

☐ **1. Large Quantity Handler of Universal Waste**
(Accumulates a total of 11,000 lbs. or more of universal waste at any time, at the location at which it was generated)

☐ **2. Off-site Universal Waste Collection Site**
(Accumulates a total of 2,000 lbs. or more of universal waste received from off-site). If yes, there are additional notification requirements at : http://www.deq.state.or.us/wmc/documents/uwnotification.pdf

☐ **3. Pesticide Collection Program**
(Collects and accumulates waste pesticides from off-site). If yes, there are additional notification requirements at: http://www.deq.state.or.us/wmc/documents/uwnotification.pdf

☐ **4. Destination Facility for Universal Waste**
(A facility that treats, dispose of, or recycles universal wastes on-site)

5. (Mark all boxes that apply; skip if you did not check items 1 through 4 in this section.)

	Generate	Accumulate
a. Batteries	☐	☐
b. Mercury containing thermostats	☐	☐
c. Lamps	☐	☐
d. Pesticides	☐	☐

13. Used Oil Activities (Mark the appropriate boxes for activities that apply to your site)

☐ **1. Used Oil Collection Center**

☐ **2. Used Oil Transporter**

☐ **3. Used Oil Transfer Facility**

4. Used Oil Processor/Re-refiner

Indicate type(s) of activity(s)

- ☐ a. Processor
- ☐ b. Re-refiner

☐ **5. Off-Specification Used Oil Burner**
(not used oil space heaters operating according to CFR 279.23)

6. Used Oil Fuel Marketer
Indicate type(s) of activity(s)

- ☐ a. Marketer who directs shipments of off-specification used oil to off-specification used oil burner
- ☐ b. Marketer who first claims the used oil to meet the specifications

14. Comments

Help Support

DEQ

Land Quality

HOME **FORMS** PROFILE ADMIN

Production Database Reporting Forms Log

User: kamereras **Role:** Administrator Log Off

RCRA Site ID: ORD027734359

Koppers Inc
7540 NW ST HELENS RD
PORTLAND, OR 97210

Open Pre-printed Site ID Form

Reporting Forms Log

Your electronic submission to DEQ was successful. Thank you.

Site ID Form History

Type	Status	Effective	Legal Owner	Submitted	E-Filer	
AR: RY2004	CEG	12/31/2004	Koppers Inc	Yes	Yes	·View ·Print
AR: RY2003	LQG	12/31/2003	Koppers Inc	Yes	Yes	·View ·Print
AR: RY2002	LQG	2/12/2003	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY2001	CEG	1/23/2002	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY2000	CEG	1/26/2001	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1999	CEG	3/9/2000	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1998	CEG	2/9/1999	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1997	CEG	2/20/1998	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1996	CEG	1/10/1997	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1995	CEG	1/3/1996	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1994	CEG	4/10/1995	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1993	CEG	2/3/1994	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1992	CEG	2/10/1993	Koppers Industries Inc	Yes	No	·View ·Print
New: RY1991	CEG	4/1/1992	Koppers Industries Inc	Yes	No	·View ·Print

Annual Report Form History

− Reporting Year: 2004

Sent: 12/29/2004 **Effective:** 12/31/2004

Status Flags		Annual Report Data	Functions
Submitted:	Yes	Site ID Form: Yes	Export Files
E-Filer:	Yes		Amend Data
Extension Granted:	No	GM - Waste Streams Generated (0)	
		WR - Waste Streams Received (0)	
		OI - Off-site Facilities (0)	

+ Reporting Year: 2003

+ Reporting Year: 2002

+ Reporting Year: 2001

+ Reporting Year: 2000

+ Reporting Year: 1999

+ Reporting Year: 1998

+ Reporting Year: 1997

+ Reporting Year: 1996

+ Reporting Year: 1995

+ Reporting Year: 1994

+ Reporting Year: 1993

+ Reporting Year: 1992

+ Reporting Year: 1991

Oregon
Theodore Kulongoski, Governor

Department of Environmental Quality
Headquarters
811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
FAX (503) 229-6124
TTY (503) 229-6993

December 29, 2004

AMOS KAMERER
KOPPERS INC
7540 NW SAINT HELENS ROAD
PORTLAND, OR 97210-3663

Re: 2004 Hazardous Waste Annual Report

Dear Hazardous Waste Coordinator:

You are receiving this letter because our records indicate that your company has an active RCRA Site Identification Number. Businesses with RCRA ID#'s are required to complete an annual hazardous waste generator report. The due date for this year's report is **March 3, 2005**. Oregon Administrative Rules 340-102-0012, 340-102-0041, and 340-104-0075 require this reporting to help the Department track the hazardous waste generated in our State.

Last year, DEQ introduced its on-line annual reporting system called HazWaste.net. While the transition from paper to electronic reporting was a little challenging for us all, many reporters felt this was a positive change. HazWaste.net was developed to make reporting easier for you and to help us transition to a paperless reporting system. We appreciate your cooperation as we continue to make this transition again this year

Please contact us if you experience any problems with HazWaste.net. We are committed to making this transition as easy as possible for you. You can contact us by calling (503) 229-6938 or toll-free within the State of Oregon at 1-800-452-4011 and ask for extension 6938. Email is also an excellent way to get your questions answered. Please email your questions to hazwaste@deq.state.or.us.

You can now access HazWaste.net at its new, shortened address www.deqhazwaste.net. The following information will help you login to your facility information. The enclosed Frequently Asked Questions document provides guidance on how to get started.

RCRA Site ID Number:	ORD027734359
Personal Identification Number (PIN)	5282
Facility Name:	KOPPERS INC
Site Location:	7540 NW ST HELENS RD PORTLAND, OR 97210
User Name for Data Administrator:	kamereras

DEQ-DC1

The following information is included in this packet to help you with the reporting process:

- Frequently Asked Questions Related to 2004 Annual Hazardous Waste Reporting.
- General instructions for using HazWaste.net
- Schedule of HazWaste.net training workshops in January 2005
- Notice if prior year annual reports are due.

Thank you in advance for timely reporting and for safely managing your hazardous waste. Remember, the annual report for calendar year 2004 is due by March 3, 2005.

Sincerely,

Nancy Dollar

Nancy Dollar, Project Coordinator
Hazardous Waste Program
Land Quality Division

DEQ-DC1

Department of Environmental Quality
Training Schedule for
New Electronic Reporting System
HazWaste.Net

Date	City	Time	Location
Jan 11, 2005	Portland	*	West Portland Metro Area Specific time and location to be announced. Check the website at www.deqhazwaste.net
Jan 12, 2005	Bend	1:00 to 3:00	Conference Room DEQ 2146 NE 4th, Suite 104 Bend, OR
Jan 19, 2005	Portland	2:30 to 4:30	State Office Building 800 NE Oregon St Portland, OR
Jan 20, 2005	Albany	2:00 to 4:00	Linn-Benton Community College 6500 Pacific Blvd, SW Albany, OR
Jan 26, 2005	Medford	1:00 to 3:00	3rd Floor Council Chamber Medford City Hall 411 W. 8th St Medford, OR
Feb 2, 2005	Portland	1:00 to 3:00	Conference Room 3A DEQ Headquarters 811 SW Sixth Ave. Portland, OR

DEQ is encouraging hazardous waste generators to file their 2004 Annual Hazardous Waste Report electronically using the new HazWaste.net system.

This training is designed to give you an overview of the new electronic reporting system and answer any questions you might have. You do not need to register for the training. We hope to see you there.

If you have any questions:

- Call DEQ in Portland at (503) 229-6352
- Call toll-free within the State of Oregon at 1-800-452-4011
- Email questions to hazwaste@deq.state.or.us
- Check our website for updates at www.deqhazwaste.com

Land Quality

HOME **FORMS** PROFILE ADMIN

Reporting Forms Log

User: kamereras **Role:** Administrator Log Off

RCRA Site ID: ORD027734359

Koppers Inc
7540 NW ST HELENS RD
PORTLAND, OR 97210

Open Pre-printed Site ID Form

Reporting Forms Log

Site ID Form History

Type	Status	Effective	Legal Owner	Submitted	E-Filer	
AR: RY2003	LQG	12/31/2003	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY2002	LQG	2/12/2003	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY2001	CEG	1/23/2002	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY2000	CEG	1/26/2001	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1999	CEG	3/9/2000	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1998	CEG	2/9/1999	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1997	CEG	2/20/1998	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1996	CEG	1/10/1997	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1995	CEG	1/3/1996	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1994	CEG	4/10/1995	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1993	CEG	2/3/1994	Koppers Industries Inc	Yes	No	·View ·Print
AR: RY1992	CEG	2/10/1993	Koppers Industries Inc	Yes	No	·View ·Print
New: RY1991	CEG	4/1/1992	Koppers Industries Inc	Yes	No	·View ·Print

Annual Report Form History

— Reporting Year: 2003

Sent: 12/24/2003 **Effective:** 12/31/2003

Status Flags		Annual Report Data	Functions
Submitted:	Yes	Site ID Form: Yes	Export Files
E-Filer:	No		Amend Data
Extension Granted:	No	GM - Waste Streams Generated (1)	
		WR - Waste Streams Received (0)	
		OI - Off-site Facilities (2)	

+ Reporting Year: 2002

+ Reporting Year: 2001

+ Reporting Year: 2000

+ Reporting Year: 1999

+ Reporting Year: 1998

+ Reporting Year: 1997

+ Reporting Year: 1996

+ Reporting Year: 1995

+ Reporting Year: 1994

+ Reporting Year: 1993

+ Reporting Year: 1992

+ Reporting Year: 1991

Land Quality

RCRA Site ID: ORD027734359

Koppers Inc
7540 NW ST HELENS RD
PORTLAND, OR 97210

Reporting Year: **2003**

Find Sequence Number:

GM Waste Streams

Sequence	Waste Stream ID	Waste Description	Total Quantity (lbs)	
1		Hazardous waste, solid, n. o. s.	2,908.00	Print View

DEQ

Land Quality

HOME **FORMS** PROFILE ADMIN

GM Form (simple version)

User: kamereras **Role:** Administrator Log Off

RCRA Site ID: ORD027734359

Koppers Inc
7540 NW ST HELENS RD
PORTLAND, OR 97210

Reporting Year: **2003**

The annual report for this reporting year has been submitted to DEQ. Therefore, changes to this record cannot be saved. If a modification is needed, please submit an amendment request.

GM Form (simple version)

A. Description of Hazardous Waste Stream

Sequence Number: 1

A-1. What is your waste stream identification?
(optional)

A-2. Briefly describe the hazardous waste stream:
Hazardous waste, solid, n. o. s.

A-3. Which EPA hazardous waste codes are associated with this waste stream?
D018 - BENZENE
U051 - CREOSOTE

A-4. Which Oregon state-only hazardous waste code is associated with this waste stream?

A-5. Which source code best describes the type of process or activity from which this waste stream was generated?
G14 - Removal of tank sludge, sediments or slag

A-5.a. If you specified source code G25 in question A-5, please enter the management method code from the on-site hazardous waste management system:

A-5.b. If you specified source code G62 in question A-5, please enter the country of origin from which this waste was received:

A-6. Which form code best corresponds to the physical form or chemical composition of this waste stream?
W319 - Other inorganic solids (specify in comments)

A-7. If there were toxic substances in this waste stream that your facility reported on its 2002 Toxic Chemical Release Inventory(TRI) Reporting Form (Form R), please provide the CAS numbers reported:

BENZENE - 71-43-2
CREOSOTE - 8001-58-9

A-8. Did this waste stream contain mercury? ○ Yes ◉ No

A-8.a. If you answered yes to question A-8, please provide a reasonable estimate of the percentage of mercury in this waste stream (do not type the % sign):

B. Hazardous Waste Management Activities

B-1. What is the total amount of this waste stream generated in the reporting year and what is the unit of measure?

2908.000 ◉ Pounds ○ Gallons ○ Tons ○ Cubic Yards ○ Kilograms

B-1.a. If the waste stream is measured in gallons or cubic yards, what is its density?

○ Pounds/gallon ○ Specific gravity ○ Pounds/cubic yard ○ N/A

B-2. Was the waste stream managed on-site, off-site, or both?

○ On-Site ◉ Off-Site ○ Both

B-3. If all or part of this waste stream was managed on-site, how much was managed on-site and how was it managed?

Quantity

Management Method Code

B-4. Indicate the quantity of this waste stream that was remaining on-site at the end of the calendar year you are reporting:

0.000

B-5. Indicate the quantity of this waste stream that was carried forward from the previous reporting year:

0.000

B-6. You have entered 4off-site shipments of this waste stream. Please click the Manage Shipments button to add, edit, or delete off-site shipments.

C. Use the Comments section to provide comments, information or explanations as necessary. In your comments, always provide the reference to the specific question number.

A-6. Tank residues and PPE.

Help Support

Land Quality

HOME **FORMS** PROFILE ADMIN

GM Form (simple version)

User: kamereras **Role:** Administrator Log Off

RCRA Site ID: ORD027734359

Koppers Inc
7540 NW ST HELENS RD
PORTLAND, OR 97210

Reporting Year: **2003**
Sequence Number: 1
Description: Hazardous waste, solid, n. o. s.

GM Form (simple version)

Find Manifest Number:

B-6. Please provide the following information for each off-site shipment of waste in the same unit of measure you reported for the amount generated:

Page 1 of 1 (4 Records)

i. Shipment Date (mm/dd/yyyy)	ii. Manifest Number	iii. Quantity Shipped	iv. Transporter ID	v. Management Code	vi. Designated Facility ID
02/28/2003	86766	1149.00	WAD058364647	H040	UTD981552177
08/20/2003	97394	195.00	WAD058364647	H040	UTD981552177
09/11/2003	98454	619.00	WAD058364647	H040	UTD981552177
12/11/2003	98452	645.00	WAD058364647	H040	UTD981552177

Help Support

KOPPERS

FAX TRANSMITTAL

7540 N.W. Saint Helens Rd.
Portland, Oregon 97210-3663
Phone: (503) 286-3681
Fax: (503) 285-2831
Web Page: www.koppers.com

TO: Traci Self DATE: 4/5/04

FROM: Amos TOTAL # OF PAGES: 7

Here's A copy of the 2003 ODEQ HW Report for your files —

IF THIS TRANSMITTAL IS IN ERROR, PLEASE CALL 503-286-3681 FAX # 503-285-2831

Kamerer Amos

From: hazwaste@deq.state.or.us
Sent: Wednesday, March 10, 2004 1:27 PM
To: Kamerer Amos
Subject: HazWaste.net: User Profile

Welcome to HazWaste.net! Thank you for creating a user account.

Your account username is "kamereras" and your password is "costco3". Please login to the application using this username and password combination.

If you have any questions, please call us at (800) 452-4011 or (503) 229-6977. You can also email us at hazwaste@deq.state.or.us with your questions.

Thank you for using HazWaste.net to file your annual reports and Site Identification forms.

Land Quality Division
Department of Environmental Quality
State of Oregon

John Matthews - ODEQ
503 - 229 - 5055

Management System Codes

Code	System Type
Metals Recovery (For Reuse)	
M011	High temperature metals recovery
M012	Retorting
M013	Secondary smelting
M014	Other metals recovery for reuse: e.g., ion exchange, reverse osmosis, acid leaching, etc. (Specify in Comments)
Solvents Recovery	
M021	Fractionation/distillation
M022	Thin film evaporation
M023	Solvent extraction
M024	Other solvent recovery (Specify in Comments)
Other Recovery	
M031	Acid regeneration
M032	Other recovery: e.g., waste oil recovery, nonsolvent organics recovery, accumulation prior to treatment in a wastewater treatment unit, etc. (Specify in Comments)
Incineration	
M041	Incineration — liquids
M042	Incineration — sludges
~~M043~~	Incineration — solids H040
M044	Incineration — gases
Energy Recovery (Reuse As Fuel)	
M051	Energy recovery — liquids
M052	Energy recovery — sludges
M053	Energy recovery — solids
Fuel Blending	
M061	Fuel blending
Aqueous Inorganic Treatment	
M071	Chrome reduction followed by chemical precipitation
M072	Cyanide destruction followed by chemical precipitation
M073	Cyanide destruction only
M074	Chemical oxidation followed by chemical precipitation
M075	Chemical oxidation only
M076	Wet air oxidation
M077	Chemical precipitation
M078	Other aqueous inorganic treatment: e.g., ion exchange, reverse osmosis, etc. (Specify in Comments)
Aqueous Organic Treatment	
M081	Biological treatment
M082	Carbon adsorption
M083	Air/steam stripping
M084	Wet air oxidation
M085	Other aqueous organic treatment (Specify in Comments)
Aqueous Organic and Inorganic Treatment	
M091	Chemical precipitation in combination with biological treatment
M092	Chemical precipitation in combination with carbon adsorption
M093	Wet air oxidation
M094	Other organic/inorganic treatment (Specify in Comments)
Sludge Treatment	
M101	Sludge dewatering
M102	Addition of excess lime
M103	Absorption/adsorption
M104	Solvent extraction
Stabilization	
M111	Stabilization/Chemical fixation using cementitious and/or pozzolanic materials
M112	Other stabilization (Specify in Comments)
Other Treatment	
M121	Neutralization only
M122	Evaporation only
M123	Settling/clarification only
M124	Phase separation (e.g., emulsion breaking, filtration) only
M125	Other treatment (Specify in Comments)

Koppers014330

~~RAH's - Pen on (Red)~~
~~on A cond~~
~~Vien dy~~
~~change to Friday~~
~~OK~~

Jay Collins - ODEQ
Chris Pickens 229 - 6352

Oregon
Theodore Kulongoski, Governor

Department of Environmental Quality
Headquarters
811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
FAX (503) 229-6124
TTY (503) 229-6993

December 24, 2003

Amos Kamerer (LQ-HW-AR)
Koppers Industries Inc
7540 NW St Helens Rd
Portland, OR 97210-3663

HazWaste Personal Identification Number (PIN)

All hazardous waste generators that have an active RCRA Site Identification Number are required to file an annual report. A reminder and instructions will be sent to the forms contact each December indicating a March 1 due date. The PIN number below provides you access to HazWaste.net, the State of Oregon's Hazardous Waste Electronic Reporting application. The Web address for the HazWaste.net application is www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm. Please go to this Web address and select the option to create an account. Provide your RCRA Site ID Number and PIN when prompted. You will then be asked to setup a user profile for future access to the application.

By default, the user who sets up the application is given the Administrator role. The administrator has the option of establishing additional "data entry" type roles so that others may have access to the application for this RCRA Site ID Number. Please refer to the application help for a definition of user roles.

Arsenard
C/3

RCRA Site ID Number:	ORD027734359
Personal Identification Number (PIN)	5282
Facility Name:	Koppers Industries Inc
Site Location:	7540 NW ST HELENS RD PORTLAND, OR 97210

Thank you for using HazWaste.Net. If you have any questions, please call DEQ in Portland at (503) 229-6352 or toll-free with the Oregon at 1-800-452-4011, extension 6352. You can also email your questions to hazwaste@deq.state.or.us.

DEQ-DC1

Oregon
Theodore R. Kulongoski, Governor

Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204-1390
503-229-5696
TTY 503-229-6993

December 24, 2003

Re: 2003 Hazardous Waste Annual Report
New Reporting Forms
New Electronic Reporting System

Dear Hazardous Waste Coordinator:

Department of Environmental Quality (DEQ) records indicate that your company has filed for an identification number for hazardous waste activities. All hazardous waste generators must submit an annual report as required by Oregon Administrative Rules 340-102-0012, 340-102-0041, and 340-104-0075. The annual report for calendar year 2003 is due by **March 1, 2004**.

Important changes to this year's reporting are 1) electronic reporting replaces the previous paper reports and 2) reporting forms have been updated to be consistent with the Environmental Protection Agency (EPA) requirements. DEQ is encouraging reporters to use the new electronic reporting system, HazWaste.net. Our goal is to make the process of reporting faster, easier, and better. More specific detail on these changes and important reporting instructions follows. In addition, this notice includes as a separate attachment your Personal Identification Number (PIN) for electronic reporting and a Hazwaste.net training schedule with dates and places. We hope to see you there!

Benefits of Using HazWaste.net – the New Electronic Reporting System

- All hazardous waste reporters, Conditionally Exempt, Small, and Large Quantity Generators can fill out their report information in HazWaste.net and submit on-line via the Internet.
- Companies that have their own electronic hazardous waste tracking systems (one example would be Excel spreadsheets) can import the data files directly into HazWaste.net.
- Hazardous waste shipping records can be entered all year but not submitted to DEQ until the user is ready. Information not yet submitted to DEQ can only be viewed by you.
- Site information such as contact information, ownership changes, closures, etc., can be submitted throughout the year.
- HazWaste.net is designed for use by both beginners and experts. The simple version on the Generation & Management (GM) Waste Stream Form has drop-down lists for the required codes (Form, Source, and Management Method).
- Validation checks alert you to errors before you submit your data.
- You can view your annual reports from earlier years.

How to Submit Your 2003 Annual HW Report Electronically

- HazWaste.net works with any computer having Internet and e-mail access.
- Open HazWaste.net using the web site address provided on your attached PIN letter (www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm).

Koppers014333

- View or print the training manual, the frequently asked questions, the hazardous waste definitions, the code lists or any other helpful document you think you might need.
- The line-by-line instructions is the same information found in the electronic help boxes for each question on the forms.
- The training manual will walk you through using HazWaste.net.

New Reporting Updates for 2003

- The DEQ/EPA Identification Number is now referred to as the RCRA Site Identification Number.
- The Site Identification (SI) Form replaces four forms: 1) the Registration Verification Report, 2) Notification of Hazardous Waste Activity Form, 3) Notification of Used Oil Activity Form, and 4) Notification of Universal Waste Activity Form.
- The Standard Industrial Classification (SIC) code has been replaced by the North American Industry Classification System (NAICS) code by the U.S. Census Bureau. Your NAICS code must be provided on the SI Form.
- The Form, Source, and Management Method codes have been revised by the Environmental Protection Agency (EPA). Small and large quantity generators must use these new codes on their GM Waste Stream Forms. Treatment, Storage, Disposal (TSD) facilities must use these new codes on their Waste Received (WR) Forms.
- A few new questions have been added to the SI Form and the GM Waste Stream Form. Help in answering these new questions or any of the form questions can be found in the electronic help boxes, by downloading and printing the line-by-line instructions, or by calling DEQ (See "Where to Get Help" section).
- The Off-Site Identification (OI) Form has been added to make it easier to enter RCRA Site ID numbers for transporters and waste receiving facilities (TSDs) on the GM Waste Stream forms. You enter the OI facility once in the OI Form and it becomes part of your drop down list on the GM Waste Stream Form (simple version). This saves you time so you do not have to enter the identification number for OI facilities multiple times for multiple shipments.

Important Reporting Instructions

- The 2003 annual report must accurately reflect your company's hazardous waste activities for calendar year 2003.
- Your generator status is determined by the largest amount of hazardous waste you generated or had on-site in <u>any one month</u> during the 2003 calendar year.
- If your facility was a Conditionally Exempt Generator (CEG) during every month of 2003, submit only the SI Form. GM Waste Stream Forms are not required.
- Verify that the information DEQ has in the HazWaste.net database is correct. Revise any information that needs to be updated by typing over the top of the incorrect data.
- **If there was an ownership change, the SI Form must be submitted by mail.** The signature of the legal owner or an authorized representative is required. Download and print the SI Form from HazWaste.net or call the

- View or print the training manual, the frequently asked questions, the hazardous waste definitions, the code lists or any other helpful document you think you might need.
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- **If there was an ownership change, the SI Form must be submitted by mail.** The signature of the legal owner or an authorized representative is required. Download and print the SI Form from HazWaste.net or call the

number given below to request that a copy be mailed to you. To print a SI Form from HazWaste.net follow these steps:

a.) Follow the directions in the PIN letter to create a user account.

b.) Once in HazWaste.net, click on "Open Pre-Printed Site ID Form" at the top of the Forms main page and print the form.

c.) Update the form by handwriting the new owner information in the space provided. Under "Reason for Submittal" check the "Change in business ownership (represent the new owner)" box. Please provide the effective date. Complete the entire form (revising or checking all boxes that are applicable).

d.) If you are a CEG you can also submit your 2003 annual report at the same time. Follow the previous step but also check the box "To provide as a component of the Annual Hazardous Waste Report" and enter 2003. Be sure to indicate if you are filing for the entire year or the part of the year you were in ownership.

e.) SQGs and LQGs can file their waste stream information electronically after DEQ processes the hardcopy SI Form for the new ownership. If you prefer to file the waste stream information with the hardcopy SI Form, call the number below and request that the forms be mailed to you.

f.) Mail the completed signed form to the address provided at the top of the printed SI Form.

- **If you would like to withdraw the RCRA Site Identification Number,** check the Withdrawal selection on the SI Form. Report your hazardous waste activities for the part of the year the facility operated in 2003.
- **If you need an extension to the March 1, 2004 deadline,** please email your request before March 1, 2004 to hazwaste@deq.state.or.us.
- The following are some important examples of information you will find in the Frequently Asked Questions.

  a.) Did you know that if hazardous waste is treated on-site and rendered non-hazardous before shipment to a solid waste landfill it must still be reported on the GM Waste Stream Forms?

  b.) When reporting off-site shipments on the GM Waste Stream Form subject to multiple management methods, the final management method the Treatment, Storage, Disposal (TSD) facility provided must be reported.

  c.) Hazardous waste that is treated on-site and creates a hazardous residual must be reported on two GM Waste Stream Forms. One form for the on-site treatment (e.g., distillation) and one form for the hazardous residual (e.g., sludge).

Where to Get Help

- Call DEQ in Portland at (503) 229-6938 or toll-free within the State of Oregon at 1-800-452-4011, extension 6938, if you need help with any of the following:

  a.) If you feel you have received this letter in error.

  b.) If you cannot file electronically and need to request paper forms.

  c.) If you need more information about any of the questions asked on the reporting forms.

- **If you need help using HazWaste.net,** do one of the following:
  a.) Attend one of the training workshops around the state designed to give you an overview of the electronic reporting system. Please see the attached training schedule for the event closest to you.
  b.) Telephone DEQ in Portland at 503-229-6352 or 503-229-6968. You can call toll-free within the State of Oregon at 1-800-452-4011, extension 6352 or extension 6968.
  c.) Email your questions to hazwaste@deq.state.or.us

- **If you need help or more information about hazardous waste regulations,**
  a.) Visit DEQ's hazardous waste web site for technical resources, regulations, fact sheets, etc., at www.deq.state.or.us/wmc/hw/hw.htm.
  b.) Contact DEQ's Toxics Use/Waste Reduction Assistance Program (TU/WRAP) staff at your nearest regional office. TU/WRAP staff provides free and confidential technical assistance to businesses throughout Oregon. Call one of these regional offices:

Eastern Region
2146 NE 4th St., Suite 104
Bend, OR 97701
(541) 388-6146

Northwest Region
2020 SW 4th Ave., Suite 400
Portland, OR 97201
(503) 229-5263

Western Region
750 Front St., NE, Suite 120
Salem, OR 97310
(503) 378-8240

Thank you in advance for timely reporting and safely managing your hazardous waste. Remember, the annual report for calendar year 2003 is due by **March 1, 2004.**

Sincerely,

Nancy Dollar

Nancy Dollar, Project Coordinator
Land Quality Division
Hazardous Waste Program

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  b.) Contact DEQ's Toxics Use/Waste Reduction Assistance Program (TU/WRAP) staff at your nearest regional office. TU/WRAP staff provides free and confidential technical assistance to businesses throughout Oregon. Call one of these regional offices:

Eastern Region
2146 NE 4th St., Suite 104
Bend, OR 97701
(541) 388-6146

Northwest Region
2020 SW 4th Ave., Suite 400
Portland, OR 97201
(503) 229-5263

Western Region
750 Front St., NE, Suite 120
Salem, OR 97310
(503) 378-8240

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Sincerely,

Nancy Dollar

Nancy Dollar, Project Coordinator
Land Quality Division
Hazardous Waste Program

Department of Environmental Quality
Training Schedule for
New Electronic Reporting System-HazWaste.Net

Date	City	Time	Location
Jan. 6, 2004	Portland	9:00 to 11:00	Conference Room 3A **DEQ Headquarters** 811 SW Sixth Ave. Portland, OR
Jan. 7, 2004	Salem	2:00 to 4:00	Bldg 49, Fireside Room at **Chemeketa Community College** 4000 Lancaster Dr NE Salem, OR 97309
Jan. 8, 2004	The Dalles	2:00 to 4:00	Boardroom in Building One **Columbia Gorge Community College** 400 East Scenic Drive The Dalles, OR
Jan. 13, 2004	Medford	2:00 to 4:00	3rd Floor Council Chamber **Medford City Hall** 411 W. 8th Street Medford, OR
Jan. 14, 2004	Eugene	2:00 to 4:00	Bldg. 1, Student Services Bldg., Room 102 **Lane Community College** 4000 East 30th Avenue Eugene, OR
Jan. 15, 2004	Portland	2:00 to 4:00	Conference Room 3A **DEQ Headquarters** 811 SW Sixth Avenue Portland, OR
Jan. 20, 2004	Bend	2:00 to 4:00	Conference Room **DEQ – Bend Office** 2146 NE 4th, Suite 104 Bend, OR
Jan. 21, 2004	Pendleton	2:00 to 4:00	CSEPP Conference Room **Umatilla County Justice Center** 4700 NW Pioneer Place Pendleton, OR

DEQ is encouraging hazardous waste generators to file their 2003 Annual Hazardous Waste Report electronically using the new HazWaste.net system.

This training is designed to give you an overview of the new electronic reporting system and answer any questions you might have. You do not need to register for the training. We hope to see you there.

If you have any questions, call DEQ in Portland at (503) 229-6352, or toll-free within the State of Oregon at 1-800-452-4011. You can also email your questions to hazwaste@deq.state.or.us

Registration Verification Report 2002

3 857

1. DEQ ID No: ORD027734359 Name: Koppers Industries Inc
Location: 7540 NW ST HELENS RD
PORTLAND, OR 97210
Site Contact Name: Amos Kamerer Site Contact Phone: (503) 286-3681

Current information, if different from above: _____

Your Standard Industrial Classification (SIC) code is currently:
2865: Cyclic Crudes & Intermediates

Current code if different: _____

State of Oregon Department of Environmental Quality

Your current employee count is listed as 2 Please indicate the correct count if it has change 4

Verify the information in the left column, and make any corrections in the right column:

The owner of Koppers Industries Inc is:

2. Indvidual or Organization: Koppers Industries Inc Address: 436 7th Ave Pittsburgh, PA 15219 Phone: (412) 227-2883	Indvidual or Organization: _____ Address: _____ Phone: _____

The owner of the property on which Koppers Industries Inc is located is:

3. Individual or Organization: Northwest Natural Gas Co Address: 220 NW 2nd Avenue Portland, OR 97209 Phone: (503) 226-4211	Individual or Organization: _____ Address: _____ Phone: _____

The address for DEQ to send hazardous waste information to Koppers Industries Inc is:

4. Forms Contact: Amos Kamerer Organization: Koppers Industries Inc Address: 7540 NW St Helens Rd Portland, OR 97210-3663 Internet E-Mail: kamereras@koppers.com Phone: (503) 286-3681	Forms Contact: _____ Organization: _____ Address: _____ Internet E-Mail: _____ Phone: _____

The address for DEQ to send hazardous waste fee invoices for Koppers Industries Inc is:

5. Fee Contact: Amos Kamerer Organization Koppers Industries Inc Address: 7540 NW St Helens Rd Portland, OR 97210-3663 Phone: (503) 286-3681	Fee Contact: _____ Organization: _____ Address: _____ Phone: _____

Hazardous waste generator status:

6. Koppers Industries Inc last reported as a Conditionally Exempt Generator on the 2001 Annual Report.

What was the generator status for Koppers Industries Inc in 2002, based on monthly generation records?

[X] Large Quantity Generato [ ] Small Quantity Generato [ ] Conditionally Exempt Generato

mailed 2/10/03

12/16/2002

7. If the information for this facility has changed from what is preprinted in **Box 1** from the front of this form, then check all that apply. If no changes occurred, then skip to Box 8.

- ☐ The business (as preprinted) is no longer active at this location. We are a different company or a company new to this location. Date we opened for business: _____
- ☐ The business is the same; we have a new name.
- ☐ The location of the business has not changed. The local government modified the address.
- ☐ The business moved to a new location. ☐ I wish to apply for a new site-specific DEQ/EPA ID Number for the company's new location.

8. Has the ownership of this facility changed from what is preprinted in **Box 2** from the front of this form?

☐ **Yes** (If yes, Answer Questions 8a-8b) ☒ **No** (Skip to Box 9)

8a. What was the date of the ownership change? _____

8b. Are you completing this report for:

- ☐ The previous (preprinted name) company up to the time of closure? (Complete Box 9.)
- ☐ The current (new) company?
- ☐ Filing for the full calendar year?
- ☐ Filing for only that part of the year following purchase?

9. Indicate one of the following:

- ☒ I wish to keep the assigned DEQ/EPA Identification Number Active. (Skip to Box 10)
- ☐ I wish to cancel the assigned DEQ/EPA Identification Number because this facility does not generate or manage hazardous waste for the following reason (**Date must be provided**):
  - ☐ Closure of business (Date of Closure: _____)
  - ☐ Completion of a one-time cleanup and waste management activity (Date Completed: _____)
  - ☐ Change in business activity (Explain and Provide Date: _____ _____)
  - ☐ Other (Explain and Provide Date: _____ _____)

Note: The DEQ/EPA Identification Number is assigned to the physical location of the site and cannot be reassigned to a different location. The ID number is required for certain facilities such as: Hazardous Waste (HW) Transporters; Large Quantity HW Generators; Small Quantity HW Generators; Treatment, Storage, Disposal Facilities; HW Recycling Facilities; Marketers or Burners of HW Fuel; and facilities that engaged in some Used Oil or Universal Waste Activities. Conditionally Exempt Generators may also need an ID number for certain waste management activities.

10. ***I certify*** *under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.*

Signature	Date
	January 31, 2003
Amos S. Kamerer	Plant Manager
Name (please print)	Title

Mail completed form to:
Oregon DEQ
Land Quality Division
Attn: Hazardous Waste Forms Clerk
811 SW Sixth Avenue
Portland, OR 97204-1390

Remember: *If you were a small or large quantity generator during any part of 2002, you must complete the Waste Generation & Management Answer Sheets and attach them to this form. If filing Answer Sheets electronically, an Electronic Certification must be attached.*

Questions: (503) 229-5470 or (800) 452-4011 or visit our Website at www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm

2002 Waste Generation and Management—Answer Sheet

PLEASE ENTER:
Facility Name: Koppers Industries Inc.
DEQ ID Number: ORD 027734359

NOTE: Make as many two-sided copies of the answer sheet as you need BEFORE answering any questions. REVIEW QUESTIONS ON PAGES 22-24 BEFORE COMPLETING ANSWER SHEET.

1. Waste Stream Description Tank Residues

2. Waste Code(s) U051 D018

3. State-Only Code OR ORD 051 ORD018

4. Mixed Waste? ☒No ☐Yes

5. Source Code: A A38 6. Form Code: B 606

7. Waste Origin 1☐ 2☒ 3☐ 4☐ (If box 4, answer 7A)

7A. Residual Management Code M

8. Reported toxic substances in waste? 1☐ 2☐ 3☐ (If box 3, answer 8A)

8A. CAS Number (s) 8001-58-9 71-43-2

9. Total quantity generated in 2002 for this waste stream 297,249

Unit of Measure P☒ G☐ ST☐ C☐ K☐ L☐ MT☐

9A. Density 8.7 ☐Pounds/gallon ☐Specific gravity ☐Pounds/cubic yard

10. Did this waste stream contain mercury? ☒No ☐Yes (If Yes, answer 10A)

10A. What percentage of mercury?

11. Managed on or off-site? ☐On-site (Answer 11A) ☒Off-site (Answer 14) ☐Both On-site & Off-site (Answer both 11A and 14)

11A. Quantity managed or recycled on-site Management Code M

12. Total quantity of waste remaining on-site at the end of 2002 0 (Not otherwise managed on-or off-site, but accumulated or stored)

13. Total quantity of waste carried over from 2001 0

Monthly Generation Worksheet (Optional)

*Provide the actual monthly hazardous waste generation amounts for this waste stream (should not be a yearly average) Recommended for Small Quantity Generators.

January		July	
February		August	21,262
March		September	
April		October	
May		November	275,987
June		December	

Total Quantity Generated for 2002: 297,249

(Report shipments and comments on reverse side of sheet)

Koppers014342

14. Provide the following information for each off-site shipment of waste.
(Include all shipments in 2002 for this waste stream even if it was generated in the previous year.)

Please Enter:
Facility Name: Koppers Industries Inc.
DEQ ID Number: ORD 027734359

2002 Manifest Shipment Date (enter month/day)	Manifest Document Number	Quantity Shipped of this Waste Stream (use unit of measure from Question #9)	DEQ/U.S. EPA ID # of First Transporter	Final management (enter mgmt. code, other than M141)	DEQ/U.S. EPA ID # of Receiving Facility (Designated Facility)
08/26/02	03726	21,262	WAD058364647	MO42	UTD 981552177
11/09/02	10304	44,820	WAD058364647	MO42	UTD981552177
~~11/13/02~~	~~10305~~	~~29,220~~	WAD058364647	MO42	UTD981552177
11/19/02	10307	42,540	WAD058364647	MO42	UTD981552177
12/02/02	10306	41,360	WAD058364647	MO42	UTD981552177
12/06/02	10342	45,180	WAD058364647	MO42	UTD981552177
12/11/02	10340	46,420	WAD058364647	MO42	UTD981552177
12/11/02	10324	21,834	WAD058364647	MO43	UTD981552177
12/11/02	10324	4,613	WAD058364647	MO41	UTD981552177

Comments: This work was done to recover usable product from several tanks, which resulted in having tank residues that required disposal. This was a one time event. We expect to return to conditionally Exempt Generator status in the year 2003 and beyond.

Koppers014343

Registration Verification Report 2001

3 *1021

1. DEQ ID No: **ORD027734359** Name: **Koppers Industries Inc**
Location: **7540 NW ST HELENS RD**
PORTLAND, OR 97210
Site Contact Name: **Amos Kamerer** Site Contact Phone: **(503) 286-3681**
Current information, if different from above: _____

Your Standard Industrial Classification (SIC) code is currently:
2865: Cyclic Crudes & Intermediates
Current code if different:

State of Oregon **Department of Environmental Quality**

Your current employee count is listed as: 6 Please indicate the correct count if it has changed 2

Verify the information in the left column, and make any corrections in the right column:

The owner of Koppers Industries Inc is:

2. Indvidual or Organization: **Koppers Industries Inc** Address: **436 7th Ave** **Pittsburgh, PA 15219** Phone: **(412) 227-2883**	Indvidual or Organization: Address: Phone:

The owner of the property on which Koppers Industries Inc is located is:

3. Individual or Organization: **Northwest Natural Gas Co** Address: **220 NW 2nd Avenue** **Portland, OR 97209** Phone: **(503) 226-4211**	Individual or Organization: Address: Phone:

The address for DEQ to send hazardous waste information to Koppers Industries Inc is:

4. Forms Contact: **Amos Kamerer** Organization: **Koppers Industries Inc** Address: **7540 NW St Helens Rd** **Portland, OR 97210-3663** Internet E-Mail: **kamereras@koppers.com** Phone: **(503) 286-3681**	Forms Contact: Organization: Address: Internet E-Mail: Phone:

The address for DEQ to send hazardous waste fee invoices for Koppers Industries Inc is:

5. Fee Contact: **Amos Kamerer** Organization **Koppers Industries Inc** Address: **7540 NW St Helens Rd** **Portland, OR 97210-3663** Phone: **(503) 286-3681**	Fee Contact: Organization: Address: Phone:

Hazardous waste generator status:

6. Koppers Industries Inc last reported as a Conditionally Exempt Generator on the 2000 Annual Report.
What was the generator status for Koppers Industries Inc in 2001, based on monthly generation records?

☐ Large Quantity Generator ☐ Small Quantity Generator ☒ Conditionally Exempt Generator

cc: T. Self, KII; M. Cilley, KII

12/17/2001

7. If the information for this facility has changed from what is preprinted in **Box 1** from the front of this form, then check all that apply. If no changes occurred, then skip to Box 8.

- ☐ The business (as preprinted) is no longer active at this location. We are a different company or a company new to this location. Date we opened for business: _____
- ☐ The business is the same; we have a new name.
- ☐ The location of the business has not changed. The local government modified the address.
- ☐ The business moved to a new location. ☐ I wish to apply for a new site-specific DEQ/EPA ID Number for the company's new location.

8. Has the ownership of this facility changed from what is preprinted in **Box 2** from the front of this form?

☐ **Yes** (If yes, Answer Questions 8a-8b) ☒ **No** (Skip to Box 9)

8a. What was the date of the ownership change? _____

8b. Are you completing this report for:

- ☐ The previous (preprinted name) company up to the time of closure? (Complete Box 9.)
- ☐ The current (new) company?
- ☐ Filing for the full calendar year?
- ☐ Filing for only that part of the year following purchase?

9. Indicate one of the following:

- ☒ I wish to keep the assigned DEQ/EPA Identification Number Active. (Skip to Box 10)
- ☐ I wish to cancel the assigned DEQ/EPA Identification Number because this facility does not generate or manage hazardous waste for the following reason (**Date must be provided**):
  - ☐ Closure of business (Date of Closure: _____)
  - ☐ Completion of a one-time cleanup and waste management activity (Date Completed: _____)
  - ☐ Change in business activity (Explain and Provide Date: _____ _____)
  - ☐ Other (Explain and Provide Date: _____ _____)

Note: The DEQ/EPA Identification Number is assigned to the physical location of the site and cannot be reassigned to a different location. The ID number is required for certain facilities such as: Hazardous Waste (HW) Transporters; Large Quantity HW Generators; Small Quantity HW Generators; Treatment, Storage, Disposal Facilities; HW Recycling Facilities; Marketers or Burners of HW Fuel; and facilities that engaged in some Used Oil or Universal Waste Activities. Conditionally Exempt Generators may also need an ID number for certain waste management activities.

10. ***I certify** under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.*

Signature _____ Date 1/18/02

Amos S. Kamerer — Plant Manager

Name (please print) — Title

Mail completed form to:
Oregon DEQ
Land Quality Division
Attn: Hazardous Waste Forms Clerk
811 SW Sixth Avenue
Portland, OR 97204-1390

***Remember:** If you were a small or large quantity generator during any part of 2001, you must complete the Waste Generation & Management Answer Sheets and attach them to this form. If filing Answer Sheets electronically, an Electronic Certification must be attached.*

Questions: (503) 229-5470 or (800) 452-4011 or visit our Website at www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Headquarters
811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
FAX (503) 229-6124
TTY (503) 229-6993

RECEIVED
DEC 27 2001
KOPPERS INDS, INC.
PORTLAND OR

December 26, 2001

Enclosed is your company's Registration Verification Report (RVR) form. Use this form to verify your hazardous waste generator registration information for the calendar year 2001 as required by Oregon Administrative Rule (OAR) 340-102-0012, OAR 340-102-0041 and OAR 340-104-0075. This report was generated using information last reported by your facility. Your facility last notified DEQ that your generator status was Conditionally Exempt Generator (CEG).

It is important that you report your generator status correctly, complete the RVR accurately and submit the information by **March 1, 2002**. The information that you provide is the basis for determining generator fees, for determining regulatory compliance requirements, and for establishing eligibility to participate in DEQ's Toxics Use/Waste Reduction Assistance Program and CEG collection events.

What do I do with the Registration Verification Report (RVR)?

- Verify that all preprinted facility information on the front of the RVR is correct and complete. Provide any updated information in the spaces provided.

- Verify your generator status for calendar year 2001. Your generator status is determined by the largest amount of hazardous waste you generated or had on-site in **any one month** during the 2001 calendar year. Mark your generator status in Box 6 of the RVR. Do not leave blank.

- On the reverse side of the RVR answer all of the questions that are applicable in Boxes 7 and 8. These boxes provide necessary additional information if an update was provided in Box 1 or 2 (e.g., ownership change, closure of business, etc.) and will enable DEQ to process the RVR without having to request more information.

- The information in Box 9 is required for the cancellation of the DEQ/EPA Identification Number if your business has stopped generating and managing hazardous waste. Most facilities should simply mark the first box indicating they wish to keep their Identification Number active.

- The generator or his/her authorized representative must sign the RVR. Mail the completed report by March 1, 2002, to: **Oregon DEQ, Land Quality Division, Attn: Hazardous Waste Forms Clerk, 811 SW Sixth Avenue, Portland, OR 97204-1390**

How do I report if I was a SQG or LQG for any month in 2001?

If in **any one calendar month** in 2001 your facility generated more than 220 pounds of hazardous waste or spill cleanup debris containing hazardous waste, or generated more than 2.2 pounds of acute hazardous waste, or accumulated more than 2,200 pounds of hazardous waste at any one time, your facility may be a Small Quantity Generator (SQG) or a Large Quantity Generator (LQG). If so, you must complete the 2001 Hazardous Waste Generation and Management reporting form in addition to the RVR. The Waste Generation and Management reporting form can be downloaded or submitted to DEQ online at www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm. On this web page, you will find the 2001 Hazardous Waste Reporting Forms booklet containing the Waste Generation and Management Annual Report and the Waste Received Annual Report, plus all the reference material and instructions needed to complete these forms. You can also receive the Forms Booklet by mail by calling Sylvia Krummann at (503) 229-5470 or toll free within the State of Oregon at 1-800-452-4011.

If you need help...

- If you have questions about hazardous waste regulations, including your generator status, please contact DEQ's Toxics Use/Waste Reduction Assistance Program (TU/WRAP) staff at your nearest regional office. A list of TU/WRAP staff names and telephone numbers is provided below. TU/WRAP staff provide free and confidential technical assistance to businesses throughout Oregon. Besides answering your questions by telephone, TU/WRAP staff can provide on-site technical assistance visits upon request. These non-regulatory visits are aimed at identifying where you may save money through reduced disposal costs and less regulation, identifying areas that can be improved upon, and clarifying how the regulations affect your specific operations. TU/WRAP staff can also provide you fact sheets and resource guides on numerous hazardous waste related subjects. Call one of the telephone numbers listed below if you would like more information.

- If you have questions regarding the report forms, please contact Sylvia Krummann at (503) 229-5470 or toll-free within the State of Oregon at 1-800-452-4011.

- Check out our web site at www.deq.state.or.us/wmc/hw/hw.htm for information on hazardous waste management, technical resources, laws, regulations, fact sheets, plus a lot more.

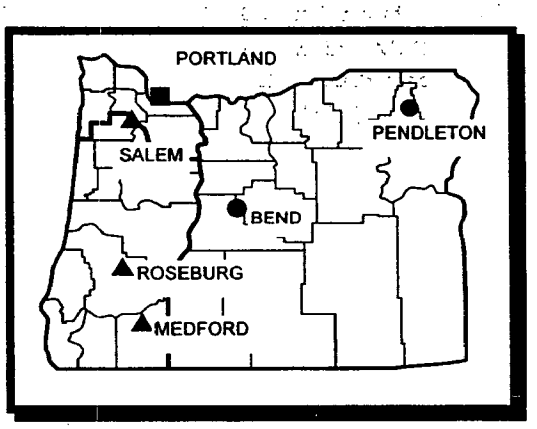
DEQ REGIONAL OFFICES

■ **Northwest Region**
2020 SW 4th, Suite 400
Portland, OR 97201

Jay Collins
(503) 229-5165

Laurey Cook
(503) 229-5058

Kevin Masterson
(503) 229-5615



▲ **Western Region**
750 Front St. NE, Suite 120
Salem, OR 97310

Eric Clark
(503) 378-8240 x253

Bart Collinsworth
(503) 378-8240 X258

-or-

201 W. Main St., Suite 2-D
Medford, OR 97501

Wayne Kauzlarich
(541) 776-6010 X227

● **Eastern Region**
2146 NE 4th, Suite 104
Bend, OR 97701

John MacKellar
(541) 388-6146 x229

1/18/02

YEAR 2001 HAZ. WASTE GENERATION

ONE DISPOSAL 2/15/01

TOTAL WEIGHT	400 lbs.
LESS DRUM	42 lbs
QUINOLINE	358 lbs.

USED QUINOLINE ACCUMULATED OVER SOME 10 YEARS

150 + 9 + 9 + 45 = 214 lbs

BALANCE NEW (UNUSED) = 144 lbs.

DID NOT MEET THE 220 lbs. IN ANY ONE MONTH

Koppers014348

Registration Verification Report 2000

3 *978

1. DEQ ID No: **ORD027734359** Name: **Koppers Industries Inc**
Location: **7540 NW ST HELENS RD**
PORTLAND, OR 97210
Site Contact Name: **Amos Kamerer** Site Contact Phone: **503 286-3681**

Current information, if different from above: _____

Your Standard Industrial Classification (SIC) code is currently:
2865: Cyclic Crudes & Intermediates
Current code if different: _____

State of Oregon **Department of Environmental Quality**

Your current employee count is listed as: 11 Please indicate the correct count if it has changed: 6

Verify the information in the left column, and make any corrections in the right column:

The owner of Koppers Industries Inc is:

2. Indvidual or Organization: **Koppers Industries Inc** Address: **436 7th Ave** **Pittsburg, PA 15219** Phone: **412 227 2883**	Indvidual or Organization: _____ Address: _____ Phone: _____

The owner of the property on which Koppers Industries Inc is located is:

3. Individual or Organization: **Northwest Natural Gas Co** Address: **220 NW 2nd Ave** **Portland, OR 97209** Phone: **503 226-4211**	Individual or Organization: _____ Address: _____ Phone: _____

The address for DEQ to send hazardous waste information to Koppers Industries Inc is:

4. Forms Contact: **Amos Kamerer** Organization: **Koppers Industries Inc** Address: **7540 NW St Helens Rd** **Portland, OR 97210-3663** Internet E-Mail: **Data missing, please update** Phone: **503 286-3681**	Forms Contact: _____ Organization: _____ Address: _____ Internet E-Mail: kamereras@koppers.com Phone: _____

The address for DEQ to send hazardous waste fee invoices for Koppers Industries Inc is:

5. Fee Contact: **Amos Kamerer** Organization: **Koppers Industries Inc** Address: **7540 NW St Helens Rd** **Portland, OR 97210-3663** Phone: **503 286-3681**	Fee Contact: _____ Organization: _____ Address: _____ Phone: _____

Hazardous waste generator status:

6. Koppers Industries Inc last reported as a Conditionally Exempt Generator on the 1999 Annual Report.
What was the generator status for Koppers Industries Inc in 2000, based on monthly generation records?

[ ] Large Quantity Generator [ ] Small Quantity Generator [X] Conditionally Exempt Generator

cc: T. Self, K-1800; M. Cilley, Stickney

01/02/2001

7. If the information for this facility has changed from what is preprinted in Box 1 from the front of this form, then check all that apply. If no changes occurred, then skip to Box 8.

- ☐ The business (as preprinted) is no longer active at this location. We are a different company or a company new to this location. Date we opened for business: _____
- ☐ The business is the same; we have a new name.
- ☐ The location of the business has not changed. The local government modified the address.
- ☐ The business moved to a new location. ☐ I wish to apply for a new site-specific DEQ/EPA ID Number for the company's new location.

8. Has the ownership of this facility changed from what is preprinted in Box 2 from the front of this form?

☐ **Yes** (If yes, Answer Questions 8a-8b) ☒ **No** (Skip to Box 9)

8a. What was the date of the ownership change? _____

8b. Are you completing this report for:

- ☐ The previous (preprinted name) company up to the time of closure? (Complete Box 9.)
- ☐ The current (new) company?
- ☐ Filing for the full calendar year?
- ☐ Filing for only that part of the year following purchase?

9. Indicate one of the following:

- ☒ I wish to keep the assigned DEQ/EPA Identification Number Active. (Skip to Box 10)
- ☐ I wish to cancel the assigned DEQ/EPA Identification Number because this facility does not generate or manage hazardous waste for the following reason (**Date must be provided**):
  - ☐ Closure of business (Date of Closure: _____)
  - ☐ Completion of a one-time cleanup and waste management activity (Date Completed: _____)
  - ☐ Change in business activity (Explain and Provide Date: _____ _____)
  - ☐ Other (Explain and Provide Date: _____ _____)

Note: The DEQ/EPA Identification Number is assigned to the physical location of the site and cannot be reassigned to a different location. The ID number is required for certain facilities such as: Hazardous Waste (HW) Transporters; Large Quantity HW Generators; Small Quantity HW Generators; Treatment, Storage, Disposal Facilities; HW Recycling Facilities; Marketers or Burners of HW Fuel; and facilities that engaged in some Used Oil or Universal Waste Activities. Conditionally Exempt Generators may also need an ID number for certain waste management activities.

10. ***I certify** under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.*

Signature	Date
	1/24/01
A. S. Kamerer	Plant Manager
Name (please print)	Title

Mail completed form to:
Oregon DEQ
Waste Prevention & Management Division
Attn: Hazardous Waste Forms Clerk
811 SW Sixth Avenue
Portland, OR 97204-1390

***Remember:** If you were a small or large quantity generator during <u>any</u> part of 2000, you must complete the Waste Generation & Management Answer Sheets and attach them to this form. If filing Answer Sheets electronically, an Electronic Certification must be attached.*

Questions: (503) 229-5470 or (800) 452-4011 or visit our Website at www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm

HAZARDOUS AND NON-HAZARDOUS DISPOSAL LOG
KOPPERS INDUSTRIES, INC.
PORTLAND, OREGON TERMINAL

Date of Shipment	Destination	Handled By	Material Shipped	Quantity Shipped
4/24/90	Arlington, Oregon	Chem-Security Systems	creosote spill, rags & absorbents	20 drums
5/18/93	Lohern, Calif.	Laidlaw Environmental Services	creosote spill, rags & absorbents	3 drums
9/28/95	San Jose, Calif.	USPCI-Solvent Services	creosote spill, rags & absorbents	3 drums
7/02/97	Houston, Texas	Eltes Environmental Services	no longer used laboratory chemicals	4 lab packs
3/05/98	Delta, BC, Canada	Laidlaw Environmental Services	creosote spill, rags & absorbents	2 drums
3/05/98	Knolls, Ut.	Laidlaw Environmental Services	refined tar spill rags & absorbents (non-hazardous)	6 drums
1/18/99	Clive,Utah	Safety –Kleen (TG) Inc.	creosote spill, rags & absorbents	4 drums/1200 #
4/22/99	Aragonite, Utah	Safety-Kleen (TG) Inc.	paint, non RCRA and non DOT hazardous materials	5 lab packs/400 #
4/22/99	Delta, BC Canada	Safety-Kleen (TG) Inc.	same as above	3 lab packs/1800 #
9/2/99	Delta, BC Canada	Safety-Kleen (TG) Inc.	aluminum brightner, caustic prewash and acidic brightner	2 drums/600 #

NO waste generated in 2000

Koppers014351

Order Form for the Year 2000 Hazardous Waste Reporting Forms or Waste Reduction Assistance Program Information

_____Please contact me about DEQ's Hazardous Waste Reduction Assistance Program (WRAP) at:

Name: _____

Phone: _____

Note: You can also get information or the Forms Booklet from our website at: www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm

_____Please mail a copy of the 2000 Hazardous Waste Reporting Forms Booklet to:

Name_____

Company_____

Address_____

_____

City_____State____Zip_____

PLACE
STAMP
HERE

OREGON DEQ

WASTE PREVENTION & MANAGEMENT DIVISION

ATTN: HAZARDOUS WASTE FORMS CLERK

811 SW SIXTH AVENUE

PORTLAND, OR 97204-1390

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
TTY (503) 229-6993

January 5, 2001

978*RVR:143615
Hazardous Waste Coordinator
Koppers Industries Inc
7540 NW St Helens Rd
Portland, OR 97210-3663

RECEIVED
JAN - 8 2001
KOPPERS INDS, INC.
PORTLAND OR

DEQ ID Number: ORD027734359
Koppers Industries Inc

Enclosed is your company's Registration Verification Report (RVR) form. This form is for verifying hazardous waste generator registration information for calendar year 2000 as required by Oregon Administrative Rule (OAR) 340-102-0012, OAR 340-102-0041 and OAR 340-104-0075. This report was generated using information last reported by your facility. Your facility last notified DEQ that your generator status was Conditionally Exempt Generator (CEG).

It is important that you report your generator status correctly, complete the RVR accurately and submit the information by **March 15, 2001**. The information that you provide is the basis for determining generator fees, for determining regulatory compliance requirements, and for establishing eligibility to participate in DEQ's Waste Reduction Assistance Program and CEG collection events.

What do I do with the Registration Verification Report (RVR)?

- Verify that all preprinted facility information on the front of the RVR is correct and complete. Provide any updated information in the spaces provided.
- Verify your generator status for calendar year 2000. Your generator status is determined by the largest amount of hazardous waste you generated or had on-site in **any one month** during the 2000 calendar year. Mark your generator status in Box 6 of the RVR. Do not leave blank.
- On the reverse side of the RVR answer all of the questions that are applicable in Boxes 7 and 8. These boxes provide necessary additional information if an update was provided in Box 1 or 2 (e.g., ownership change, closure of business, etc.) and will enable DEQ to process the RVR without having to request more information.
- The information in Box 9 is required for the cancellation of the DEQ/EPA Identification Number if your business has stopped generating and managing hazardous waste. Most facilities should simply mark the first box indicating they wish to keep their Identification Number active.
- The generator or his/her authorized representative must sign the RVR. Mail the completed report by March 15, 2001, to: **Oregon DEQ, Waste Prevention & Management Division, Attn: Hazardous Waste Forms Clerk, 811 SW Sixth Avenue, Portland, OR 97204-1390**

How do I report if I was a SQG or LQG for any month in 2000?

If in **any one calendar month** in 2000 your facility generated more than 220 pounds of hazardous waste or spill cleanup debris containing hazardous waste, or generated more than 2.2 pounds of acute hazardous waste, or accumulated more than 2,200 pounds of hazardous waste at any one time, your facility may be a Small Quantity Generator (SQG) or a Large Quantity Generator (LQG). If so, you must complete the 2000 Hazardous Waste Generation and Management reporting form in addition to the RVR. The Waste Generation and Management reporting

form can be downloaded or submitted to DEQ online at www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm. You will find on this web page the 2000 Hazardous Waste Reporting Forms booklet containing the Waste Generation and Management annual report and the Waste Received annual report, plus all the reference material and instructions needed to complete these forms. You can also receive the Forms Booklet by mail by completing the enclosed postcard and returning it to DEQ.

If you need help...

- A DEQ map identifying regional offices is located below. If you have questions about hazardous waste regulations, including your generator status, please contact the Waste Reduction Assistance Program (WRAP) staff at your nearest regional office. Besides answering your questions by telephone, WRAP staff can provide on-site technical assistance visits upon request. These non-regulatory visits are aimed at identifying where you may save money through reduced disposal costs and less regulation, identifying areas that can be improved upon, and clarifying how the regulations affect your specific operations. WRAP staff can also provide you fact sheets and resource guides on numerous hazardous waste related subjects. Call one of the telephone numbers listed below or return the enclosed postcard if you would like more information.
- If you have questions regarding the report forms, please contact Sylvia Krummann at (503) 229-5470 or toll-free within the State of Oregon at 1-800-452-4011.
- Check out our web site at www.deq.state.or.us/wmc/hw/hwrptonlineforms.htm for information on hazardous waste management, technical resources, laws, regulations, fact sheets, plus a lot more.

DEQ REGIONAL OFFICES

■ Northwest Region

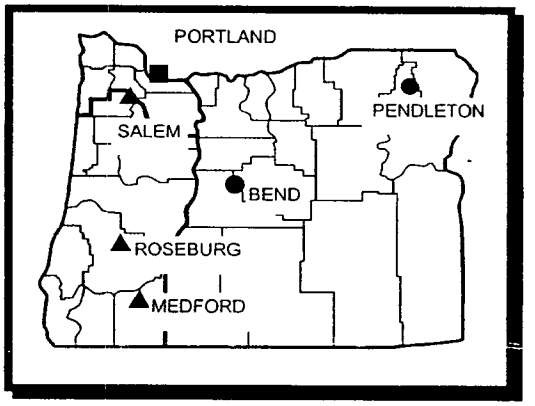
2020 SW 4th, Suite 400
Portland, OR 97201

Jay Collins
(503) 229-5165

Jim Maresh
(503) 229-6682

Beth Moore
(503) 229-5586

Laurey Cook
(503) 229-5058



▲ Western Region

750 Front St. NE, Suite 120
Salem, OR 97310

Bart Collinsworth
(503) 378-8240 x258

Eric Clark
(503) 378-8240 X253

-or-

725 SE Main St.
Roseburg, OR 97470

David Livengood
(541) 440-3338 x230

201 W Main Street, Suite 2-D
Medford, OR 97501

Wayne Kauzlarich
(541) 776-6010 X227

● Eastern Region

2146 NE 4th, Suite 104
Bend, OR 97701

John MacKellar
(541) 388-6146 x229

-or-

700 SE Emigrant, Suite 330
Pendleton, OR 97801

Barbara Minton
(541) 278-4622

Registration Verification Report '99

1. DEQ ID No: ORD027734359 Name: **Koppers Industries Inc**
Location: **7540 NW ST HELENS RD**
PORTLAND, OR 97210
Site Contact: **Amos Kamerer** Site Phone: **503 286-3681**

Current information, if different from above: _____

Your Standard Industrial Classification (SIC) code is currently listed as:
2865: Cyclic crudes & intermediates

Current code if different: _____

Your current employee count is listed as: 11 Please indicate the correct count if it has changed: _____

Verify the information in the left column, and make any corrections in the right column:

The owner of Koppers Industries Inc is:

2. Owner: **Data missing, please update** Organization: **Koppers Industries Inc** Address: **436 7th Ave** **Pittsburg, PA 15219** Phone: **412 227 2883**	Owner: _____ Organization: _____ Address: _____ _____ Phone: _____

The owner of the property on which Koppers Industries Inc is located is:

3. Owner **Data missing, please update** Organization: **Northwest Natural Gas Co** Address: **220 NW 2nd Ave** **Portland, OR 97209** Phone: **503 226-4211**	Property Contact: _____ Organization: _____ Address: _____ _____ Phone: _____

The address for DEQ to send hazardous waste information to Koppers Industries Inc is:

4. Forms Contact: **Amos Kamerer** Organization: **Koppers Industries Inc** Address: **7540 NW St Helens Road** **Portland, OR 97210-3663** Internet E-Mail: **Please update.** Phone: **503 286-3681**	Forms Contact: _____ Organization: _____ Address: _____ _____ Internet E-Mail: _____ Phone: _____

The address for DEQ to send hazardous waste fee invoices for Koppers Industries Inc is:

5. Fee Contact: **Amos Kamerer** Organization: **Koppers Industries Inc** Address: **7540 NW St Helens Rd** **Portland, OR 97210-3663** Phone: **503 286-3681**	Fee Contact: _____ Organization: _____ Address: _____ _____ Phone: _____

Hazardous waste generator status:

6. Koppers Industries Inc last reported as a Conditionally Exempt Generator on the 1998 Annual Report.

What was the generator status for Koppers Industries Inc in 1999?

___ Large Quantity Generator ___ Small Quantity Generator _x_ Conditionally Exempt Generator

12/30/1999 * 989

7. If the information for this facility has changed from what is preprinted in Box 1 from the front of this form, then check all that apply. ☒ Not Applicable (Skip to Box 8)

- ☐ The business (as preprinted) is no longer active at this location. We are a different company or a company new to this location.
  Date we opened for business: _____
- ☐ The business is the same; we have a new name.
- ☐ The location of the business has not changed. The local government modified the address.
- ☐ The business moved to a new location. ☐ I wish to apply for a new site-specific DEQ/EPA ID Number for the company's new location.

8. Has the ownership of this facility changed from what is preprinted in Box 2 from the front of this form?
☐ Yes (If yes, Answer Questions 8a-8b) ☒ No (Skip to Box 9)

8a. What was the date of the ownership change? _____

8b. Are you completing this report for:
- ☐ The previous (preprinted name) company up to the time of closure? (Complete Box 9.)
- ☐ The current (new) company?
  - ☐ Filing for the full calendar year?
  - ☐ Filing for only that part of the year following purchase?

9. Has this facility stopped generating hazardous waste?
☐ Yes (Answer Questions 9a-9b) ☒ No (Skip to Box 10)

9a. What best describes the reason the facility stopped generating and managing hazardous waste?

- ☐ Closure of business (Date of Closure _____)
- ☐ Completion of a one-time cleanup and waste management activity (Date Completed _____)
- ☐ Change in business activity (Explain and Provide Date: _____
  _____)

9b. Indicate one of the following:
- ☐ I wish to keep the assigned DEQ/EPA Identification Number Active.
- ☐ I wish to cancel the assigned DEQ/EPA Identification Number (Cancellation Date _____)

Note: The DEQ/EPA Identification Number is assigned to the physical location of the site and cannot be reassigned to a different location. The ID number is required for certain facilities such as: Hazardous Waste (HW) Transporters; Large Quantity HW Generators; Small Quantity HW Generators; Treatment, Storage, Disposal Facilities; HW Recycling Facilities; Marketers or Burners of HW Fuel; and facilities that engaged in some Used Oil or Universal Waste Activities. Conditionally Exempt Generators may also need an ID number for certain waste management activities.

10. *I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.*

Signature	March 8, 2000 Date
Amos S. Kamerer Name (please print)	Plant Manager Title

Mail completed form to:
Oregon DEQ
Waste Management & Cleanup Division
Attn: Hazardous Waste Forms Clerk
811 SW Sixth Avenue
Portland, OR 97204-1390

***Remember:** If you were a small or large quantity generator during **any** part of 1999, you must complete the Waste Generation & Management Answer Sheets and attach them to this form.*

cc: T. Self, K-1800; M. Cilley, Stickney

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Headquarters
811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
FAX (503) 229-6124
TTY (503) 229-6993

January 6, 2000

RECEIVED
JAN - 7 2000
KOPPERS INDS, INC
PORTLAND OR

Hazardous Waste Coordinator
Koppers Industries Inc
7540 NW St Helens Road
Portland, OR 97210-3663

DEQ ID Number: ORD027734359
Koppers Industries Inc

Enclosed is your 1999 Registration Verification Report. This report was generated using information most recently reported by your facility. Your facility last notified DEQ that your status was Conditionally Exempt Generator (CEG).

What do I do with the Registration Verification Report (RVR)?

- Verify your generator status for calendar year 1999. Your generator status is determined by the largest amount of hazardous waste you generated or had on-site in any month during the 1999 calendar year. **Mark your generator status in Box 6 of the RVR.**
- Verify that all preprinted facility information on the front of the RVR is correct and complete. Provide any updated information in the space provided to the right of each box. You only need to fill in the blank boxes to the right if the information has changed from what is preprinted in Boxes 1 through 5.
- Answer all of the questions, **sign the certification on the reverse side** of the RVR, and return it to DEQ by **March 15, 2000**. Send the completed report to:

  Oregon DEQ
  Waste Management & Cleanup Division
  Attn: Hazardous Waste Forms Clerk
  811 SW Sixth Ave.
  Portland, OR 97204-1390

How do I report if I was a LQG or SQG for any month in 1999?

Your facility may be a Large Quantity Generator (LQG) or Small Quantity Generator (SQG), if in **any one calendar month** in 1999 your facility: generated more than 220 pounds of hazardous waste; or generated more than 220 pounds of spill cleanup debris containing hazardous waste; or generated more than 2.2 pounds of acute hazardous waste; or accumulated more than 2,200 pounds of hazardous waste at any one time. If so, you must complete the 1999 Hazardous Waste Generation and Management Form in addition to the RVR. Starting February 1, 2000, you may download the 1999 Hazardous Waste Reporting Forms from DEQ's Web Page at **http://www.deq.state.or.us/** and selecting Hazardous Waste under the "Information by Environmental Subject". The forms can also be ordered by mail by completing the enclosed postcard and returning it to DEQ.

Why is accurate reporting important?

It is important that you report your generator status correctly, complete the answer sheet accurately and submit the information by **March 15, 2000**. DEQ uses this information for determining generator fees, for determining regulatory compliance requirements, and for establishing eligibility for participation in DEQ's Waste Reduction Assistance Program and CEG collection events.

* 989 *

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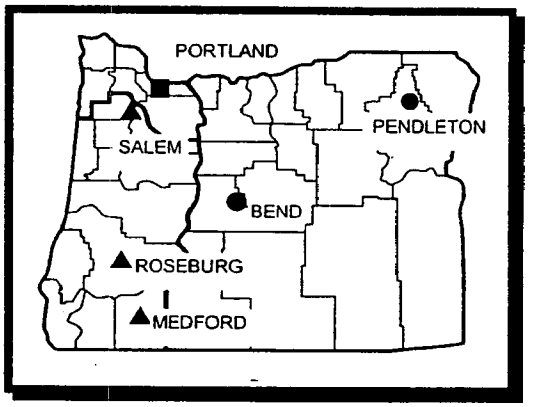
If you need help...

- A DEQ map identifying regional offices is located below. If you have questions about hazardous waste regulations, including your generator status, please contact the Waste Reduction Assistance Program Staff (WRAP) at your nearest regional office. Besides answering your questions by telephone, WRAP staff can provide on-site technical assistance visits upon request. These non-regulatory visits are aimed at identifying where you may save money through reduced disposal costs and less regulation, identifying areas that can be improved upon, and clarifying how the regulations affect your specific operations. WRAP staff can also mail you fact sheets and resource guides on numerous hazardous waste related subjects. Call one of the telephone numbers listed below or return the enclosed postcard if you would like more information.

- If you have questions regarding the report forms, please contact Sylvia Krummann at (503) 229-5470 or toll-free within the State of Oregon at 1-800-452-4011.

- Check out our web site at http://www.deq.state.or.us/ for information on hazardous waste management, technical resources, laws, regulations, fact sheets, plus a lot more. Starting February 1, 2000 the hazardous waste reporting forms can be downloaded or completed and submitted to DEQ online.

DEQ REGIONAL OFFICES



■ **Northwest Region**
2020 SW 4th, Suite 400
Portland, OR 97201

Kevin Masterson
(503) 229-5615

Jay Collins
(503) 229-5165

Beth Moore
(503) 229-5586

▲ **Western Region**
750 Front St. NE, Suite 120
Salem, OR 97310

Bart Collinsworth
(503) 378-8240 x258

Eric Clark
(503) 378-8240 X253

-or-

725 SE Main St.
Roseburg, OR 97470

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John MacKellar
(541) 388-6146 x229

-or-

700 SE Emigrant, Suite 330
Pendleton, OR 97801

Barbara Minton
(541) 276-4063

(15)

1999

HAZARDOUS AND NON-HAZARDOUS DISPOSAL LOG
KOPPERS INDUSTRIES, INC.
PORTLAND, OREGON TERMINAL

Date of Shipment	Destination	Handled By	Material Shipped	Quantity Shipped
4/24/90	Arlington, Oregon	Chem-Security Systems	creosote spill, rags & absorbents	20 drums
5/18/93	Lohern, Calif.	Laidlaw Environmental Services	creosote spill, rags & absorbents	3 drums
9/28/95	San Jose, Calif.	USPCI-Solvent Services	creosote spill, rags & absorbents	3 drums
7/02/97	Houston, Texas	Eltes Environmental Services	no-longer used laboratory chemicals	4 lab packs
3/05/98	Delta, BC, Canada	Laidlaw Environmental Services	creosote spill, rags & absorbents	2 drums
3/05/98	Knolls, Ut.	Laidlaw Environmental Services	refined tar spill rags & absorbents (non-hazardous)	6 drums
1/18/99	Clive,Utah	Safety –Kleen (TG) Inc.	creosote spill, rags & absorbents	4 drums / 1200 #'s
4/22/99	Aragonite, Utah	" " "	PAINT, NON RCRA, NON DOT HAZ.	5 lab packs / 400 #'s
"	Delta, BC	" " "	" " "	3 lab packs / 1800 #'s
9/2/99	" "	" " "	Aluminum brightner, caustic, prewash and acidic brightner	2 drums / 600 #'s

see page #7 "Cont. Exempt Sm. Qty. Generator"

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1999 Hazardous Waste Reporting Forms

- Forms
- Instructions
- Reference Material

Oregon Department of Environmental Quality
Waste Management
& Cleanup Division
811 SW 6th Avenue
Portland, OR 97204

Printed December 1999

Koppers014361

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Introduction

Overview

Every year hazardous waste generators; hazardous waste treatment, storage, and disposal facilities; and designated hazardous waste recycling facilities are required to fill out forms describing their activities during the previous year. The forms must then be submitted to the Oregon Department of Environmental Quality (DEQ). Requirements to complete these forms **replace** federal Environmental Protection Agency (EPA) Biennial Report requirements.

The reference material in this booklet provides background information along with hints, definitions and codes that will help you complete the forms.

Background and purpose

In October 1990, DEQ launched an effort to improve its collection of data regarding the generation and management of hazardous wastes in Oregon. These forms are designed to collect information to meet many of DEQ's hazardous waste generation and management data needs. In this way, DEQ hopes to avoid repeating the questions it asks and is trying to streamline the process of collecting and aggregating data.

The Hazardous Waste Reporting Forms allow DEQ to meet its reporting requirements to the EPA without imposing additional reporting burdens on hazardous waste generators, hazardous waste recyclers, or hazardous waste treatment, storage and disposal facilities. This means that these reporting forms take the place of the federal Biennial Hazardous Waste Report.

Completing these forms **does not** constitute preparing a Toxics Use and Hazardous Waste Reduction Plan, Annual Progress Report or Hazardous Substance Information Survey. For information on Toxics Use and Hazardous Waste Reduction plan requirements, contact the DEQ Waste Reduction Assistance Program staff at (503) 229-5316. For questions about the Hazardous Substance Information Survey contact the State Fire Marshall at (503) 378-6835.

Do I need to report?

Most facilities generating and/or managing hazardous waste need to report to DEQ. If you fit into **any** of the following categories, you are required to report.

- **Hazardous Waste Generators**
  See the Helpful Hints on Pages 3 - 10 to determine whether you fit into any of the hazardous generator categories.

  Large and small quantity generators complete the Hazardous Waste Generation and Management form found in this book and the Registration Verification Report (RVR) provided separately. Instructions for the Hazardous Waste Generator and Management form begin on Page 19.

- **Hazardous Waste Treatment, Storage, or Disposal Facilities (TSDs)**
  This means that your facility has filed a Part A permit application or holds a Part B permit for the treatment, storage, or disposal of hazardous waste as required under the Resource Conservation and Recovery Act.

  TSD facilities report their waste receipts using the Hazardous Waste Received Form. Instructions for this form begin on Page 29.

- **Designated Hazardous Waste Recycling Facilities**
  This means that your facility receives hazardous waste from off-site and recycles this waste in units that are **exempt** from requirements to obtain a Resource Conservation and Recovery Act permit for the management of hazardous waste. Recycling facilities report their waste receipts using the Hazardous Waste Received Form.

What if I *do not* need to complete the forms?

If you do not fit into any of the above categories, or are a conditionally exempt generator, please update, sign and return to DEQ the Registration Verification Report included in your reporting packet.

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When and where to submit the report forms

The completed forms are due back to DEQ by **March 15, 2000**, or within 65 days of mailing by DEQ, whichever is later. Upon written request and reasonable justification, DEQ may grant an extension to the reporting deadline of up to 30 days. If you are completing these forms due to a DEQ issued Notice of Noncompliance, the length of time for completion may vary. Submit completed forms to:

Oregon DEQ
Waste Management & Cleanup Division
Attn: Hazardous Waste Forms Clerk
811 SW Sixth Avenue
Portland, Oregon 97204-1390

Documents useful in completing these forms

In preparing your 1999 Hazardous Waste Reporting Forms, the following documents may be useful to have on hand:

- Records of hazardous waste quantities generated or accumulated
- Land Disposal Restriction (LDR) Certifications
- Results of laboratory analysis of your wastes
- Material Safety Data Sheets (MSDS)
- Contracts or agreements with off-site facilities that manage your wastes
- Bills of Lading
- Certificates of Disposal/Destruction
- Tolling Agreements
- Copies of permits for on-site waste management systems
- POTW agreements and any other environmental permits including air quality and NPDES
- If your facility has prepared one, your Toxics Use Reduction & Hazardous Waste Reduction Plan required by Oregon Law
- SARA section 312 reports (Fire Marshall reports)
- If your facility submitted it, the Toxic Chemical Release Inventory Form required under Title III, Section 313 of the Superfund Amendments and Reauthorization Act (SARA 313)

What if I need help to complete the forms?

DEQ has developed a number of ways to help you complete the forms.

1. **A Helpline.** DEQ has set up a helpline to assist you. If you have **any** questions about the forms, call us at (503) 229-5470.

2. **This Booklet.** This booklet contains reference material to help you complete the forms, including:

   - A series of "Helpful Hints" to assist you with the forms, beginning on Page 3
   - A "Definitions" section which explains the technical terms that you will encounter completing the forms, beginning on Page 11
   - A complete set of the codes you will need to complete the forms, beginning on Page 39

3. **Waste Reduction Assistance Program (WRAP) Staff.** A DEQ Regional Office Map is included on the backcover. Please contact the regional office nearest you if you have any questions on hazardous waste management regulations.

DEQ authority to collect this information

The rules requiring that hazardous waste generators; hazardous waste treatment, storage, and disposal facilities; and designated hazardous waste recycling facilities complete these forms can be found in the Oregon Administrative Rules (OAR) 340-102 and 340-104. The statutory authority for these rules can be found in the Oregon Revised Statutes (ORS) 466.020, 466.075, and 466.195.

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Helpful Hints

Note: This section provides general guidance to facilities in preparing the 1999 Hazardous Waste Reporting Forms. The information is **not** designed to provide strict legal interpretations of the terms and requirements contained in the forms and is not legally binding. Refer to Title 40 of CFR and to ORS 466.005 and OAR 340-100 and OAR 340-101 for precise legal wording.

For assistance in using the reference material in this booklet, or completing any associated forms, refer to the DEQ map on the back cover for specific regional and headquarters telephone numbers.

#1 — What is a hazardous waste?

(See also, Helpful Hint # 2 below.) Waste is defined as "hazardous" in Oregon for one of two reasons:

A. It is defined by Title 40 of the Code of Federal Regulations (CFR), Part 261.3 as a hazardous waste. Hazardous waste is solid waste that possesses at least one of four characteristics (ignitability, corrosivity, reactivity, or toxicity), or that appears on official lists of hazardous wastes.

   Wastes that are defined as hazardous based on one of the four characteristics are known as "characteristic" hazardous wastes; wastes that appear on official lists are known as "listed" hazardous wastes.

   Standards for determining the hazardous characteristics of ignitable, corrosive, reactive, or toxic wastes can be found in 40 CFR 261.20-261.24. This 40 CFR section also describes the tests generators should conduct on their wastes to determine whether they are hazardous.

   All hazardous wastes and associated codes are identified on Pages 53 - 67.

B. It is a "state-only" waste defined as hazardous in the state of Oregon. Oregon includes six categories of waste in its definition of state-only hazardous wastes:

   1. A residue containing a 3 percent or greater concentration of any substance or mixture of substances contained in 40 CFR 261.33(e), except pesticides with toxic constituents listed in 40 CFR 261.24(a) that are below the prescribed regulatory level. These are acute hazardous wastes, with codes beginning with the letter "P."

   2. A residue containing a 10 percent or greater concentration of any substance or mixture of substances contained in 40 CFR 261.33(f) except pesticides. These are EPA hazardous wastes, with codes beginning with the letter "U".

   3. Spill cleanup debris containing any amount of hazardous wastes listed in 1 or 2, above.

   4. Pesticide residues that are not managed as a universal waste as defined on Page 16.

   5. Contaminated pesticide containers.

   6. GB (Sarin) and VX nerve agents, mustard agents and demilitarization residues from the treatment of these agents which have been added to the list of commercial and chemical products found in 40 CFR 261.33.

   In addition, any waste that is **imported** to Oregon from another state and is a state-only hazardous waste in the state of origin must be managed as it would be required to be managed in the state of origin.

   State-only hazardous wastes and associated codes are listed on Pages 68 - 69. A regulatory definition of state-only hazardous waste can be found in OAR 340-101-0033.

   Note: There are a number of state-only wastes that are *not* hazardous wastes and need *not* be reported on these forms (e.g., X002 - PCBs). These are listed in Helpful Hint #3.

#2 — What is an acute hazardous waste?

Acute hazardous waste is any hazardous waste with a waste code beginning with the letter "P", or any state-only hazardous waste with a waste code beginning with the letters "P" or "ORP", or any of the following "F" codes: F020, F021, F022, F023, F026, F027. These wastes are subject to stringent quantity standards for accumulation and generation. Hazardous waste codes are listed on Pages 53 - 69 in the "Codes" section at the end of this booklet.

Koppers014365

#3 — What is not a hazardous waste?

The following are **not** hazardous wastes and **do not** need to be reported as a hazardous waste, as defined in Helpful Hint #1 on Page 3.

- Polychlorinated biphenyl (PCB) wastes regulated under the Toxic Substances Control Act (see 40 CFR 761). The generation of PCB wastes should not be reported, although PCBs are subject to specific management requirements (see OAR 340-110).
- Used oil, having a minimum energy value of 5,000 BTUs per pound, that is burned for legitimate energy recovery (See OAR 340-111-0010).
- Used oil that is legitimately mixed with hazardous waste as described in 40 CFR 279.10(b).
- Spent lead-acid batteries that are reclaimed (see 40 CFR 266.80).
- Waste Pesticide that is managed as a universal waste as defined on Page 16.

The following wastes have been assigned codes but currently are not regulated as hazardous waste and do not need to be reported on the forms.

X002 Polychlorinated biphenyls

X004 Industrial waste (non-hazardous)

X006 Lab Pack (non-hazardous)

X008 Household hazardous waste

Finally, the following wastes are excluded from the definition of solid and/or hazardous waste as listed in 40 CFR 261.4 and 261.3(c)(2)(ii) and amended in OAR 340-101-0004. The following list is intended to be a general overview and is not all-inclusive. With the exception of the Point Source Discharge Wastewater (See Helpful Hint #9 on Page 9), these exclusions should not be reported on the forms.

Note: Some of these exclusions must meet very specific conditions. Refer to 40 CFR 261.4 and 261.3(c)(2)(ii) and OAR 340-101-0004 to make sure a specific waste qualifies. Also refer to the DEQ's hazardous waste policies as specified.

Abandoned Hazardous Waste — Containerized hazardous wastes illegally deposited on real property. The owner or operator of the land or business did not generate or transport the hazardous waste to the real property site, and the identity of the true hazardous waste generator cannot reasonably be identified. (See DEQ Hazardous Waste Policy 94-002.)

Acid — Potentially recyclable spent sulfuric acid that is used to produce virgin sulfuric acid. To be exempt, the acid must not be accumulated speculatively as defined in 40 CFR 261.1(c) [See 40 CFR (261.4(a)(7).]

Agriculture, Irrigation — Irrigation return flow. [See 40 CFR 261.4(a)(3).]

Building Demolition Debris — Debris from the demolition of buildings containing lead based paint when hazardous components such as mercury switches, lead piping, waste solvents or paints have been removed and properly disposed according to DEQ Hazardous Waste Policy 97-002A.

Cement Kiln Dust - Waste from a cement kiln. Cement kilns that burn or process hazardous waste must comply with 40 CFR 266.112. [See 40 CFR 261.4(b)(8).]

Chromium, Leather Tanning — A waste which is considered hazardous because: (1) it is listed only due to the presence of chromium, or (2) it has demonstrated the characteristic of chromium on the basis of the EP toxicity or the TCLP test and is not hazardous for any other reason. [See 40 CFR 261.4(b)(6)(i).]

Circuit Boards — Shredded circuit boards being recycled provided that they are stored in adequate containers and free of mercury and batteries. [See 40 CFR 261.4(a)(14)] Whole used circuit boards, containing batteries and minimum quantities of mercury, which are protectively packaged before recycling are excluded as scrap metal. [See 40 CFR 261.4(a)(13).]

Coke-Oven Waste — Hazardous wastes K060, K087, K141, K142, K143, K144, K145, K147, K148 and any other waste from the coke by-products processes that are hazardous only because they exhibit a toxic characteristic (See Helpful Hint # 1). These wastes are not regulated when they are recycled by: (1) coke ovens, (2) the tar recovery or refining process, or (3) by mixing with coal tar. This exclusion only applies to wastes that are contained and not placed directly on the land. [See 40 CFR 261.4(a)(10).]

Comparable Fuels/Syngas — Comparable fuels or comparable syngas fuels (i.e., comparable/syngas fuels) that meet the requirements of 40 CFR 261.38 [See 40 CFR 261.4(a)(17).]

Condensates — Condensates derived from the overhead gases from kraft mill steam strippers that are used to comply with 40 CFR 63.446(e). The exemption applies only to combustion at the mill generating the conden-

sates. [See 40 CFR 261.4(a)(15).]

Diesel Fuel and Asphalt Tack/Emulsion Waste Mixtures — Waste consisting of diesel fuel used to clean equipment used for applying asphalt tack/emulsion, managed and recycled according to DEQ Hazardous Waste Policy 98-002. Diesel fuel and asphalt tack/emulsion waste mixtures managed and recycled according to the policy will be assumed to be non-hazardous waste.

Drilling Fluids — A drilling fluid, produced water, or other waste associated with the exploration for or the development or production of crude oil, natural gas, or geothermal energy. [See 40 CFR 261.4(b)(5).]

Emission Control Wastes — Fly ash waste, bottom ash waste, slag waste, or flue gas emission control waste generated primarily from the combustion of coal or other fossil fuels. [See 40 CFR 261.4(b)(4).]

Fertilizer — Solid wastes generated from growing and harvesting of agriculture crops or raising of animals (including production of manure), where the waste is returned to the soil as a fertilizer. [See 40 CFR 261.4(b)(2).]

Hazardous Waste Inside Units — Hazardous waste that is generated inside a product or raw material storage tank, transport vehicle, pipeline, in a manufacturing process unit or an associated non-waste treatment unit is not subject to regulation until it exits the unit in which it was generated; unless, the unit is a surface impoundment, or unless the hazardous waste remains in the unit more than 90 days after the unit ceases to be operated for manufacturing, or for storage or transportation of product or raw material. [See 40 CFR 261.4(c).]

Household — Household waste, including household waste that has been collected, transported, stored, treated, disposed, recovered (e.g., refuse-derived fuel), or reused. "Household waste" means any waste material (including garbage, trash, and sanitary wastes in septic tanks) derived from households (including single and multiple residences, hotels and motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day-use recreation areas). [See 40 CFR 261.4(b)(1).]

Note: A resource-recovery facility managing municipal solid waste shall not be deemed to be treating, storing, disposing of, or otherwise managing hazardous wastes for the purposes of regulation under the Resource Conservation and Recovery Act (RCRA) if that facility: (1) receives and burns only household wastes (from single and multiple dwellings, hotels, motels, and other residential sources) and commercial or industrial solid waste that does not contain hazardous waste; and (2) does not accept hazardous wastes and the owner or operator of the facility has established contractual requirements or other appropriate notification or inspection procedures to assure that hazardous wastes are neither received nor burned in the facility.

Mining, *In situ* — Material subjected to *in situ* mining techniques in which the material is not removed as part of the extraction process. [See 40 CFR 261.4(a)(5).]

Mining Overburden — Mining overburden returned to the mine site. [See 40 CFR 261.4(b)(3).]

Mining Waste — A solid waste from the extraction and beneficiation of ores and minerals (including coal). This includes phosphate rock and overburden from the mining of uranium ore. Mining facilities that burn or process hazardous waste must comply with 40 CFR 266.112. [See 40 CFR 261.4(b)(7).]

Non-Terne Plated Used Oil Filters — These filters are not hazardous waste if they are hot-drained and not mixed with any other hazardous waste. [See 40 CFR 261.4(b)(13).]

Nuclear — Byproduct, source, or special nuclear material as defined by the Atomic Energy Act of 1954, as amended 42 U.S.C. 2011 *et seq.* From the Atomic Energy Act, these terms are defined as follows:

"Byproduct material" means: (1) any radioactive material (except special nuclear material) yielded in or made radioactive by exposure to the radiation incident to the process of producing or utilizing special nuclear material; and (2) the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its source material content.

"Source material" means: (1) uranium, thorium, or any other material which is determined by the Commission pursuant to the provisions of Section 2091 of this title to be source material; or (2) ores containing one or more of the foregoing materials in such concentration as the Commission may by regulation determine from time to time.

"Special nuclear material" means: (1) plutonium, uranium enriched in the isotope 233 or in the isotope 235, and any other material which the Commission, pursuant to the provisions of Section 2071 of this title, determines to be special nuclear material, but does not include source material; or (2) any material artificially enriched by any of the foregoing, but does not include source material.

NOTE: If the excluded material described above is mixed with a hazardous waste, or otherwise meets the definition

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of hazardous waste, the material **is regulated** under RCRA as well as under the Nuclear Regulatory Act. These **mixed** wastes should be reported on the forms. [See 40 CFR 261.4(a)(4).]

Petroleum Contaminated Media — Soil, groundwater or debris generated from an underground storage tank cleanup that is contaminated with petroleum and carries hazardous waste codes D018 through D043 only. [See 40 CFR 261.4(b)(10).]

Pulping Liquor — Potentially recyclable pulping liquor (black liquor) reclaimed in a pulping liquor recovery furnace so long as the material is reused in the pulping process and is not accumulated speculatively, as defined in 40 CFR 261.1(c). [See 40 CFR 261.4(a)(16).]

Recovered Oil — Oil that has been recovered from secondary materials, and was generated due to normal petroleum refining, exploration, production and transportation practices is not a hazardous waste if it is to be inserted into the petroleum refining process. [See 40 CFR 261.4(a)(12)(i).]

Samples — Samples of solid waste or contaminated media that are used to determine if a waste is hazardous, are not hazardous wastes, providing the requirements found in 40 CFR 261.4(d) are followed.

Scrap Metal — Processed scrap metal, unprocessed home scrap metal, and unprocessed prompt scrap metal being recycled. [See 40 CFR 261.4(a)(13).]

Secondary Materials — Secondary materials that are returned to the original production process in a closed-loop recycling system (See Definition on page 11). [See 40 CFR261.4(a)(8).]

Sewage, Domestic — Any untreated sanitary wastes that pass through a sewer system. [See 40 CFR 261.4(a)(1)(i).]

Sewage, Mixture — Any mixture of domestic sewage and other wastes that passes through a sewer system to a Publicly Owned Treatment Works (POTW). [See 40 CFR 261.4(a)(1)(ii).]

Spent Wood Preserving Solutions — Spent wood preserving solutions that are reused in their original intended purpose, and wood preserving wastewaters that are used to treat wood. [See 40 CFR 261.4(a)(9).]

Splash Condenser Dross Residue — Non-wastewater splash condenser dross residue from the treatment of K061 hazardous waste in high temperature metals recovery units, providing the waste is shipped in drums, and not land disposed prior to recovery. [See 40 CFR 261.4(a)(11).]

Treatability Study Samples — Samples that are collected for determining if a waste is suitable for a particular treatment method are not hazardous waste providing the requirements of 40 CFR 261.4 (e) & (f) are followed.

Used Antifreeze — Antifreeze generated from motor vehicles, motorized equipment, industrial/commercial processes and deicing activities that is managed and recycled according to DEQ Hazardous Waste Policy # 97-004. Used antifreeze that is managed and recycled according to the policy will be considered to be non-hazardous.

Used Chlorofluorocarbons — Used chlorofluorocarbon refrigerants from totally enclosed heat transfer equipment such as mobile air conditioning systems, mobile refrigeration, and commercial and industrial air conditioning and refrigeration processes are not hazardous waste if reclaimed for further use. [See 40 CFR 261.4(b)(12).]

Used Oil Re-refining Still Bottoms For Asphalt Production — Still bottoms from used oil re-refining processes that are used as feedstock for the production of asphalt. [See 40 CFR 261.4(b)(14).]

Wastewater, Point Source Discharge — Industrial wastewater discharges that are point source discharges subject to regulation under Section 402 of the Clean Water Act, as amended. This exclusion applies only to the actual point source discharge. It does not exclude industrial wastewaters while they are being collected, stored, or treated before discharge, nor does it exclude sludges that are generated by industrial wastewater treatment. [See 40 CFR 261.4(a)(2).]

Wood, Wood Products — A solid waste consisting of discarded wood or wood products which fails the TCLP test solely for arsenic (but is not considered hazardous for any other reason) and is generated by persons who utilize the arsenical-treated wood and wood products for these materials' intended end uses. [See 40 CFR 261.4(b)(9).]

#4 —Which hazardous wastes do I report on these forms?

Do report waste if:

- It is managed on-site in an open-loop recycling system or is accumulated or stored prior to recycling.
- It is spent solvent recycled on-site. See Helpful Hint # 8 for more details.
- It is disposed of or treated on-site.

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- It is sent off-site for treatment, storage, disposal or recycling.
- It is a residue or sludge from a closed-loop recycling system (on-site only).
- It is a residue or sludge from an in-line continuous recycling system (on-site only).
- It is managed in a wastewater treatment unit. See Helpful Hint # 9 for more details.

Do not report waste if:

- It is managed on-site in a closed-loop recycling system.
- It is managed on-site in an in-line continuous recycling system.
- It is reused as is, for a purpose in which it was intended.

#5 — How do I determine my generator status: Large Quantity Generator (LQG), Small Quantity Generator (SQG), or Conditionally Exempt Small Quantity Generator (CEG)?

Hazardous waste generators are regulated differently, depending on how much waste they generate or accumulate in each calendar month. There are three types of hazardous waste generators, each with different regulatory requirements.

- **Large Quantity Generator**
  You are a large quantity generator, if in **any one calendar month**, you:
  - Generate 2,200 or more pounds of hazardous waste, or
  - Generate 2,200 or more pounds of spill cleanup debris containing hazardous waste, or
  - Generate more than 2.2 pounds of acute hazardous waste, or
  - Generate more than 220 pounds of spill cleanup debris containing an acute hazardous waste, or
  - Have on-site more than 2.2 pounds of acute hazardous wastes, or
- **Small Quantity Generator**
  You are a small quantity generator, if in **any one calendar month**, you:
  - Generate more than 220 pounds but less than 2,200 pounds of hazardous wastes, or
  - Generate more than 220 pounds but less than 2,200 pounds of spill cleanup debris containing hazardous wastes, or
  - Have on-site more than 2,200 pounds hazardous waste, or
- **Conditionally Exempt Small Quantity Generator**
  You are a conditionally exempt small quantity generator, if in **every calendar month,** you:
  - Generate 2.2 pounds or less of acute hazardous wastes, or
  - Generate 220 pounds or less of hazardous wastes, or
  - Generate 220 pounds or less of spill cleanup debris containing hazardous wastes, or
  - Never had on-site more than 2,200 pounds of hazardous wastes.

Your actual generator status may change from month to month. However, for purposes of reporting, your classification is based on the greatest status by which you were regulated in any one month of the calendar year. Thus, if you were an LQG for **only one calendar month** of the year, you must report as an LQG on these forms. You will report all of the waste generated for the entire year. The Monthly Generation Worksheet provided on the Waste Generation & Management Answer Sheet (See Page 25) may assist you in determining your generator status.

#6 — How do I identify and report hazardous waste streams?

See Helpful Hint # 1 on Page 3. For additional information on determining if your business generates a hazardous waste, consult DEQ's Small Quantity Hazardous Waste Generator Handbook. For a copy, call DEQ at 229-5913.

Use your best judgment in identifying individual waste streams at your facility. Use the following guidelines:

- Each hazardous waste stream should have only one **origin**. See Question 7 on Page 20.

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Example: A petroleum naptha solvent is used in a parts washer. The spent solvent is replaced with fresh solvent by a service company once a month. The solvent that is removed is a hazardous waste due to ignitability. Since the generation of this waste occurs on a regular basis, use the origin code 1, "from ongoing generation from a production process or service activity."

- A waste stream has only one **source** and one **form**. See Pages 70 - 72 for source and form codes.

  Example: A tank that is part of a wastewater treatment unit is cleaned out every six months. The sludge that is removed is a hazardous waste. When completing the Hazardous Waste Generation and Management answer sheet, the company's Safety Manager can't decide which source code to use. She has narrowed it down to either A75, "Wastewater treatment" or A38, "Tank sludge removal." A38 is the correct code since it best describes the source of generation.

  Example: A liquid hazardous waste stream includes spent paint thinner and paint. The waste was generated by using the thinner to clean out paint guns. B209 is the form code for "Organic paint, ink, lacquer or varnish." B211 is the form code for "paint thinner or petroleum distillates." Code B211 should be used since the thinner is the material that is spent and being discarded. The paint is merely contained within the spent thinner.

- A single waste stream may have several **waste codes**. List all codes that apply. See Pages 53 - 69 for a complete listing of waste codes.

  Example: An electroplating shop generates a wastewater treatment sludge on a monthly basis. While F006 is the code for "Wastewater treatment sludges from electroplating operations," the waste is also characteristic for corrosivity (D002) and chromium (D007). All three waste codes should be listed on the report form.

- If you generate a hazardous waste, manage it on-site, and then generate a hazardous residual from this management, you generate **two** separate waste streams (the original hazardous waste and the hazardous residual) and you must complete two Hazardous Waste Generation and Management Answer Sheets.

  Example: *You generate a hazardous sludge and dewater it at your facility. A hazardous waste filtercake is generated from the dewatering. This filtercake is shipped off-site to a landfill.*

You must complete two answer sheets:

1. On the first answer sheet, describe the sludge. State that the waste's **origin** (Question 7) is from ongoing generation, and that its on-site **management** (Questions 11 and 11A) is sludge dewatering.

2. On the second answer sheet, describe the filtercake. State that the waste's **origin** is a hazardous residual from managing a previously existing hazardous waste, and that its off-site **management** (Question 13) is landfilling.

#7— How do I report wastes with multiple management methods

Many hazardous waste streams receive several types of management prior to final disposal. In most cases only the **final** activity should be reported on the Waste Generation and Management Answer Sheet. The only exception is wastewater accumulated on-site prior to being managed in a wastewater treatment unit (See Helpful Hint # 9).

Example: A liquid hazardous waste is sent to a permitted hazardous waste facility where the waste is stabilized, then placed in a landfill. Use the management code M132, "Landfill." Do not use M111, "Stabilization/chemical fixation using cementitious or pozzolanic materials," because it is not the last management the waste received. If the waste is treated on-site and rendered non-hazardous prior to shipment to a landfill, use the appropriate treatment code.

Example: Spent solvent is picked up and taken to a permitted storage facility before being transferred to a solvent recovery facility. Report the DEQ identification number of the first facility the waste was taken to, but use the management code M021, "Fractionation/distillation." **Do not use M141, "Transfer facility storage, waste was shipped off-site with no on-site TDR activity," for any off-site shipments.**

If the residual from an on-site management activity is a hazardous waste, it should be reported as a separate waste stream on a separate answer sheet.

Example: Spent solvent is recycled on-site in a distillation unit, leaving a still bottom. The still bottom is then sent off-site for incineration. On

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one answer sheet report the solvent as being managed on-site with a management code of M021, "Fractionation/distillation." On another answer sheet, report the still bottoms as being managed off-site using the management code M042, "Incineration-sludges."

#8 — How do I Report wastes managed in on-site distillation units

Some solvent waste such as paint thinners are recycled on-site in distillation units, also known as stills. Waste that is managed in these units must be counted (if accumulated or stored prior to recycling) toward determining your generator status, and reported on the Waste Generation and Management Answer Sheet. However, spent materials that are being recycled need only to be counted once in each month. To determine how much waste solvent is generated, count the following on a **monthly** basis:

- The amount of spent solvent processed in the still for the first time that month.
- The amount of fresh solvent that was added to the recovered solvent during that month to make up for solvent lost in the distillation process.

The still bottoms are a separate waste stream. These should be counted when removed from the still, and reported using a separate Waste Generation and Management Answer Sheet.

Example: An on-site still recycles 10 gallons of paint thinner at a time. The facility operator runs a batch through the still four times in a month. Throughout the month, two gallons of solvent are lost in the distillation process, and fresh solvent must be added. Each run through the still generates one gallon of still bottoms. Once a month, four gallons of still bottoms are removed.

Two waste streams must be counted. The first stream is the used and make-up paint thinner. Ten gallons (the volume of the first run) plus two gallons (the amount of make-up solvent added) adds up to 12 gallons of waste paint thinner.

The second waste stream is the still bottoms. Even though four gallons of still bottoms were generated during the month, only three gallons need to be counted.

The still bottoms from the first run may be subtracted be cause they were previously counted as part of the spent paint thinner.

#9 — Reporting waste managed in wastewater treatment units

Wastewater that is treated in units that release to a publicly owned treatment works sewer (POTW) or to surface water under an NPDES permit may be exempt from some hazardous waste requirements. If wastewater is transferred immediately (i.e., through an engineered conveyance device) from the system which generated it into a wastewater treatment unit (See Definition on Page 15), the waste is not counted toward generator status. However, these wastes must be reported on the Waste Generation and Management Answer Sheet using the management code M135, "Direct discharge to sewer/ POTW", or M136 "Direct discharge to surface water under NPDES." Wastewater that is stored or accumulated prior to entering the wastewater treatment unit must be reported on the Waste Generation and Management Sheet using the code M032, "Other recovery." Hazardous wastewater that is transported by a vessel to an off-site wastewater treatment unit should be reported using the management code that best describes the treatment process.

Example: Acidic wastewater is pumped immediately from an electroplating operation to a tank where it is neutralized. The water is then pumped directly to the POTW under a wastewater permit. Report the total amount of wastewater generated for the year as being managed **on-site** with the management code of M135.

Example: In a situation similar to the one above, wastewater is pumped immediately to a wastewater treatment unit that is located on the adjacent property, and is under the control of a different company. Report the total amount of wastewater generated for the year as being managed **off-site** with the management code of M135.

Example: Chromium contaminated wastewater is pumped into a tanker truck and transported to a treatment, storage and disposal facility where the chromium is precipitated out. The waste is then released into a river under an NPDES permit. Report the total amount of waste shipped as being managed off-site with the code M077, "Chemical precipitation."

Example: An electroplating operation generates chromium contaminated wastewater which is collected in 55 gallon drums and stored for no more than 90 days. The waste is then transferred into an on-site wastewater treatment unit where the chromium is precipitated out, and the water is

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discharged to a POTW. Since the wastewater does not immediately enter the wastewater treatment unit, it must be counted toward generator status and reported on the Waste Generation and Management Answer Sheet. Use the management code as M032, "Other recovery."

Any hazardous sludges or residuals that are removed from a wastewater treatment unit must be counted toward determining generator status and must be reported on the annual report. Use an additional Waste Generation and Management Answer Sheet.

10 — How do I report periodic or one-time waste generation

Periodic or one-time waste generation means the generation of waste from non-routine events, such as cleanup of spills or discarding of out-of-date products or chemicals. This includes remediation-derived generation, such as generation as a result of a Superfund or state remedial action or RCRA closure of a hazardous waste management unit.

The generation of these wastes, including investigation derived waste (See Page 12), must be reported on the Waste Generation and Management Answer Sheet.

#11 — How do I Declare information confidential or trade secret

If you believe information submitted in any report or form should be held confidential by DEQ because it contains a "trade secret" as defined by Oregon Revised Statutes, contact the Hazardous Waste Document Control Officer at 503-229-5913 for more information on how to make this claim. Failure to follow proper procedures may invalidate a claim.

A Trade secret:

1) must not be the subject of a patent;

2) can only be known and used by a limited number of individuals within an organization;

3) must be used in a business which the organization conducts;

4) must be of potential or actual commercial value; and

5) must be capable of providing the user with a business advantage over competitors not having the information.

Any information that appears on a hazardous waste manifest cannot be claimed as a trade secret.

For specific information, refer to OAR 340-100-0003, DEQ's Hazardous Waste Confidential Business Information (CBI) Rule.

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Hazardous Waste Definitions

Acceptable Closed Conveyance System: A system in which waste reclamation operations are literally enclosed, or hard-plumbed with pipe to the unit that generates the waste. A facility may be allowed to consider this as an "in-line/continuous recycling/reclamation system" on a case-by-case basis under 40 CFR 260.31(b). Refer to 51 FR 26442, July 14, 1986 for more discussion.

Accumulation: A generator may accumulate hazardous waste for a short period of time before managing it on-site or shipping it off-site. The waste must be accumulated in either tanks, containers or drip-pads; it may not be accumulated in surface impoundments.

Large quantity generators may accumulate their waste for up to 90 days before shipping it off-site.

Small quantity generators may accumulate their waste for up to 180 days before shipping it off-site. If the nearest treatment, storage, disposal, or recycling facility to which they can send their waste is more than 200 miles away, they may accumulate their waste for 270 days.

Acute Hazardous Waste: Acute hazardous waste is any hazardous waste with a waste code beginning with the letter "P" or any state-only hazardous waste with a waste code beginning with the letters "P", "ORP" or any of the following "F" codes: F020, F021, F022, F023, F026, F027. These wastes are subject to stringent quantity standards for accumulation and generation. See also the definition of "Hazardous Waste".

Closed-Loop Recycling System: A production system in which secondary materials are reclaimed, returned to, and reused in the original production process or processes from which they were generated, **provided:**

- Only tank storage is involved and the entire process through completion of reclamation is closed by being entirely connected with pipes or comparable means of conveyance.
- Reclamation does not involve controlled flame combustion such as in boilers, industrial furnaces or incinerators.
- The secondary materials are never accumulated in tanks for over twelve months without being reclaimed.
- The reclaimed material is not used to produce a fuel, or used to produce products that are used in a manner constituting disposal.

Conditionally Exempt Generator (CEG): See Helpful Hint #5 on Page 7.

DEQ Identification Number: The number assigned by DEQ to each generator, transporter, and treatment, storage, and disposal facility. This ID number begins with "OR" and is followed by a letter or number and nine digits. EPA ID numbers assigned to facilities in other states have the same format.

Designated Facility: The hazardous waste treatment, storage, disposal or recycling facility that has been designated on a manifest by the generator. The facility must meet one of the following:

- Has received a permit or interim status in accordance with 40 CFR 270 & 124;
- Has received a permit or interim status from an authorized state in accordance with 40 CFR 271;
- Is regulated under 40 CFR 261.6(c)(2); or
- Is regulated under Subpart F of 40 CFR 270.

Designated Recycling Facility: A facility designated on a manifest or any other shipping document by a hazardous waste generator that recycles hazardous waste received from off-site in units that are exempt from the requirements to obtain a Resource Conservation and Recovery Act permit for the management of hazardous waste.

Disposal: The discharge, deposit, injection, dumping, spilling, leaking, or placing of any hazardous waste or hazardous substance into or on any land or water so that the hazardous waste, or hazardous substance or any constituent thereof, may enter the environment or be emitted into the air or discharged into any waters of the state as defined in ORS 468.700.

Elementary neutralization unit: A device used for neutralizing wastes that are hazardous only because they exhibit the corrosivity characteristic or are listed because of corrosivity only. The unit must be a tank, tank system, container, transport vehicle or vessel.

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Facility: For reporting purposes, facility refers to hazardous waste generators; RCRA treatment, storage, and disposal facilities; and designated recycling facilities. The term includes all contiguous land, structures, other appurtenances and improvements on the land, owned or operated by the same person or by any person who controls, is controlled by, or under common control of any person.

Generator: A person who, by virtue of ownership, management, or control, is responsible for causing or allowing to be caused the creation of hazardous waste.

Hazardous Waste: See Helpful Hints #1 and #3 on Pages 3 and 4.

Hazardous Waste Code: A four character code identifying wastes defined as hazardous under 40 CFR. A complete list of these codes is provided on Pages 53 - 67.

Hazardous Waste Minimization: The reduction, to the extent feasible, of hazardous waste that is generated or subsequently treated, stored, or disposed of as long as the reduction is consistent with the goal of minimizing present and future threats to human health and the environment. It includes any source reduction or recycling activity undertaken by a generator that results in:

- The reduction of total volume or quantity of hazardous waste;
- The reduction of toxicity of hazardous waste; or
- Both

Hazardous Waste Reduction: Any recycling or other activity applied after hazardous waste is generated that is consistent with the general goal of reducing present and future threats to public health, safety, and the environment. Reduction may be proportional to the increase or decrease in production or other business changes. The recycling or other activity shall result in:

- The reduction of total volume or quantity of hazardous waste generated that would otherwise be treated, stored or disposed;
- The reduction of toxicity of hazardous waste that would otherwise be treated, stored, or disposed; or
- Both

Hazardous waste reduction does not result in: (1) the transfer of hazardous constituents from one environmental medium to another; (2) concentration of waste solely for the purposes of reducing volume; or (3) dilution as a means for reducing toxicity.

On-site or off-site treatment may be included where it can be shown that such treatment confers a higher degree of protection of the public health, safety, and the environment than other technically and economically practicable waste-reduction alternatives.

Hazardous Waste Transporter: A person engaged in the off-site transportation of hazardous waste by air, rail, highway, or water.

Incinerator, Hazardous Waste: A device using controlled flame combustion to burn hazardous waste for treatment or disposal. Incinerators are regulated as treatment, storage and disposal facilities, and are subject to RCRA permit requirements. Incinerators do not include boilers or industrial furnaces.

Investigation Derived Waste (IDW): A subset of remediation wastes that are generated from field investigation activities, that are approved and overseen by DEQ or the federal EPA, and are specifically designed to determine the nature and extent of contamination. IDW will normally be generated during the remedial investigation and feasibility study stage of a cleanup project.

In-Line Continuous Recycling/Reclamation System: A system in which the process that generates the waste is hard-plumbed into the unit that recycles/reclaims the material.

Labpacks: Small containers of hazardous waste in overpacked drums.

Land Disposal Restrictions (LDR): A specific set of regulations designed to reduce the amount and/or toxicity of hazardous substances being placed in or on the land. The regulations identify certain wastes that are restricted, and the standards to which they must be treated before being placed in a landfill. LDR regulations also require analysis and recordkeeping (See 40 CFR 268).

Large Quantity Generator (LQG): See Helpful Hint #5 on Page 7.

LDR Certification: Paperwork required to accompany some shipments of hazardous waste subject to Land Disposal Restrictions (see above). The certification informs the receiving facility that the waste is subject to LDR standards and explains what the appropriate treatment standards are.

Management: The treatment, storage, disposal, or recycling of hazardous waste. For the purpose of annual reporting, management refers only to the final disposition of the waste, i.e., whether it is recycled, landfilled, etc.

Management Facility: A facility that treats, stores, disposes of, or recycles hazardous waste.

Manifest: The shipping document, EPA Form 8700-22 and, if necessary, EPA Form 8700-22A, originated and signed by the generator in accordance with the instructions included in the Appendix to CFR Part 262 as modified in OAR 340-102-060.

Manifest Document Number: A unique five-digit document number assigned to the manifest by the generator for recording and reporting purposes.

Material Safety Data Sheet: Manufacturers are required by law to provide material safety data sheets on all products they manufacture and sell. These data sheets provide information on the physical, chemical, and toxic properties of a product.

Mixed Waste: A radioactive waste, as defined by the Atomic Energy Act, which is also a RCRA hazardous waste. This waste is regulated under RCRA as well as the Nuclear Regulatory Act and must be reported on these forms.

NPDES (National Pollutant Discharge Elimination System): A provision of the Clean Water Act which prohibits discharge of pollutants into waters of the United States unless a special permit is issued by EPA, a State, or where delegated, a tribal government on an Indian reservation.

Off-site: Any location hazardous waste originated from or is destined to, for which a hazardous waste manifest is required for shipment.

On-site: The location where hazardous waste is located and all of the adjacent parts of that location to which the waste can be transported without requiring a hazardous waste manifest.

Open-Loop Recycling System: A recycling system that does not meet the criteria for "closed-loop recycling" or "in-line/continuous recycling/reclamation." That is, a system where wastes are recycled immediately upon generation without intervening accumulation or storage.

Operator: The person responsible for the overall operation of the facility.

Owner: The person who owns the facility or part of the facility.

Pesticide: Any substance or combination of substances intended for the purpose of defoliating plants or for preventing, destroying, repelling, or mitigating insects, fungi, weeds, rodents, or predatory animals; including but not limited to defoliants, desiccants, fungicides, herbicides, insecticides, and nematocides.

Pesticide Residue: A hazardous waste that is generated from pesticide operations, pesticide management and pesticide spills. Pesticide residue includes, but is not limited to, unused commercial pesticides, tank or container bottoms or sludges, pesticide spray mixture, container rinsings, pesticide equipment washings, and substances generated from pesticide treatment, recycling, or disposal. Pesticide residue does not include pesticide-containing materials that are used according to label instructions, and substances where pesticides were applied according to label instructions, such as treated soil, treated wood, foodstuff, water, vegetation, and treated seeds. Household pesticide residue is not included in this definition.

Point Of Generation: The point where a waste first becomes hazardous.

POTW (Publicly Owned Treatment Works): Wastewater treatment works owned by a state, unit of local government, or Indian tribe and usually designed to treat domestic wastewaters.

RCRA (Resource Conservation and Recovery Act): The federal law regulating hazardous waste, as amended by Oregon law.

RCRA permit: The Oregon hazardous waste management facility permit that is required to operate a hazardous waste treatment, storage or disposal facility.

Reclamation: A process to recover a usable product, or to regenerate a usable material. Examples include recovery of lead from spent batteries and regeneration of spent solvents.

Recycling: The use, reuse, or reclamation of a waste material (40 CFR 261.2).

SARA 313: Title III, Section 313, of the Superfund Amendments and Reauthorization Act (SARA) of 1986. Establishes the Toxic Chemical Release Inventory. (See also TRI.)

Site: The land or water area where any facility or activity is physically located or conducted, including adjacent land used in connection with the facility or activity.

Small Quantity Generator (SQG): See Helpful Hint #5 on Page 7.

Solid/Sludge Residual: Any solid or semi-solid waste generated from a municipal, commercial, or industrial wastewater treatment plant, water supply treatment plant,

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or air pollution control facility, exclusive of the treatment effluent from a wastewater treatment plant.

Source Reduction: The reduction or elimination of waste at the source of generation, usually within a process. Source reduction activities include process modifications, feedstock substitutions, improvements in feedstock purity, housekeeping and management practices, increases in the efficiency of machinery, and recycling within a process. Source reduction implies any action that reduces the toxicity or the amount of waste exiting a process.

Standard Industrial Classification (SIC) Code: A four-digit coding system, developed by the United States Census Bureau and the Office of Management and Budget, that categorizes the principal product or group of products produced or distributed, or services rendered at a site's physical location.

State-Only Hazardous Waste: See Helpful Hint #1 on Page 3.

Storage: The holding of hazardous waste for a temporary period at the end of which the hazardous waste is treated, disposed or stored elsewhere.

System: A process or series of processes acting together to perform a single operation on a hazardous waste stream. May consist of a number of units, or single pieces of equipment, e.g., individual tanks, surface impoundments, or distillation systems.

Toxic Substance: Any substance in a gaseous, liquid, or solid state listed pursuant to Title III, Section 313 of the Superfund Amendments and Reauthorization Act of 1986, or any substance added by the Commission under the authority of ORS 465.009 and OAR 340-135-0040. This does not include a substance when used as a pesticide or herbicide in routine commercial agriculture applications, or any substance deleted by the Commision under the authority of ORS 465.009 and OAR 340-135-0040.

Toxics Use: Use or production of a toxic substance as defined above.

Toxics Use Reduction: In-plant changes in production or other processes or operations, products or raw materials that reduce, avoid or eliminate the use or production of toxic substances without creating substantial new risks to public health, safety, and the environment. Reduction may be proportional to increases or decreases in production or other business changes. Reduction means application of any of the following techniques:

- Input substitution, by replacing a toxic substance or raw material used in a production or other process or operation with a non-toxic or less toxic substance.
- Product reformulation, by substituting for an existing end product, an end product which is non-toxic or less toxic upon use, release, or disposal.
- Production or other process or operation modernization, by upgrading or replacing existing equipment and methods with other equipment and methods.
- Production or other process or operation redesign or modifications.
- Improved operation and maintenance of production processes or equipment or methods, and modifications or additions to existing equipment or methods, including techniques such as improved housekeeping practices, system adjustments, product and process inspections, or production or process changes.
- Recycling, reuse, or extended use of toxics by using equipment or methods that become an integral part of the production or other process or operation of concern, including but not limited to filtration and other methods.

Trade Secrets: See Helpful Hint #11 on Page 10 for a definition of trade secret. Refer to ORS 465.031 for the definition of trade secret applicable to DEQ's Toxics Use Reduction (TUR) program.

Transfer Facility: Any transportation-related facility, including loading docks, parking areas, storage areas, and other similar areas where shipments of hazardous waste are held for no longer than 10 days during the normal course of transportation.

Treatment: Any method, technique, or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to:

- Neutralize such waste;
- Recover energy or material resources from the waste;
- Render such waste non-hazardous or less hazardous;
- Make it safer for transport, storage, or disposal; or
- Make it amenable for recovery, amenable for storage, or reduce its volume.

Treatment, Storage And Disposal Facility: A facility that treats, stores or disposes of hazardous waste and is subject to RCRA permit requirements.

TRI: Toxic Chemical Release Inventory, a data-collection system for toxic chemical releases established under SARA Title III, Section 313.

TRI Constituent: The specific toxic chemical(s) identified by a Chemical Abstracts Service (CAS) number, which was reported on the TRI report (Form R).

TRI Report Form: Form R, The Toxic Chemical Release Inventory Form, is required under SARA 313, and consists of information submitted to EPA for each toxic chemical released by any facility required to report under the provisions of SARA 313. If you have questions about SARA 313 reporting requirements, call the State Fire Marshal at (503) 378-6835.

Used or Reused: A material that is:

- Employed as an ingredient (including use as an intermediate) in an industrial process to make a product. For example, distillation bottoms from one process used as a feedstock in another process. However, a material will not satisfy this condition if distinct components of the material are recovered as separate end products, such as when metals are recovered from metal-containing secondary materials.
- Employed in a particular function or application as an effective substitute for a commercial product. For example, spent pickle liquor used as phosphorous precipitant and sludge conditioner in wastewater treatment.

Waste Management Unit: A contiguous area of land on or in which waste is placed. It is the largest area in which there is a significant likelihood of mixing of waste constituents in the same area.

Waste Minimization: See "Hazardous Waste Minimization" on Page 12.

Wastewater Treatment Unit: A tank or tank system that receives, treats or stores before treating, an influent wastewater that is a hazardous waste, or that generates and accumulates wastewater treatment sludges that are hazardous wastes. These units are regulated under either section 402 or 307(b) of the Clean Water Act and release to a POTW/sewer or surface water.

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Universal Waste Definitions

Large Quantity Handler of Universal Waste: A universal waste handler who accumulates a total of 5,000 kilograms (11,000 pounds) or more of all universal wastes (batteries, pesticides, fluorescent light tubes, or thermostats, calculated collectively) at any time. This designation as a large quantity handler of universal waste is retained through the end of the calendar year in which 5,000 kilograms or more of universal wastes are accumulated.

Off-site Collection Site: A site that receives and accumulates universal waste from off-site.

Pesticide Collection Program: A program that collects waste pesticides for subsequent treatment or disposal. A pesticide collection program may be operated by federal, state or local municipal entities as well as by persons in private industry. Pesticide collection programs are required to notify the Department of their activities prior to the collection of pesticides.

Small Quantity Handler of Universal Waste: A universal waste handler who does not accumulate more than 5,000 kilograms total of universal waste (batteries, pesticides, or thermostats, calculated collectively) at any time.

Universal Waste: Hazardous waste that is subject to a specific set of streamlined management standards for the purpose of encouraging the collection for proper recycling or disposal of the waste. Universal wastes types are listed in 40 CFR 273.1 and OAR 340-113-0010 and presently include batteries, mercury-containing thermostats, certain pesticide wastes (pesticide wastes collected during a ban or recall activity or by a pesticide collection program), and mercury-containing fluorescent light tubes.

Waste Pesticide: Pesticide residues (as defined on Page 13) which are managed according to universal waste rule management standards prior to treatment or disposal.

Koppers014378

Used Oil Definitions

"Do-it-yourselfer" used oil collection center: Any site or facility that accepts, aggregates and/or stores used oil collected only from household do-it-yourselfers.

Household "do-it-yourselfer" used oil: Oil that is derived from households, such as used oil generated by individuals who generate used oil through the maintenance of their personal vehicles.

Household "do-it-yourselfer" used oil generator: An individual who generates household "do-it-yourselfer" used oil.

Person: An individual, trust, firm, joint stock company, federal agency, corporation (including a government corporation), partnership, association, state, municipality, commission, political subdivision of a state, or any interstate body.

Processing: Chemical or physical operations designed to produce from used oil, or to make used oil more amenable for production of, fuel oils, lubricants, or other used oil-derived product. Processing includes, but is not limited to: blending used oil with virgin petroleum products, blending used oils to meet the fuel specification, filtration, simple distillation, chemical or physical separation and re-refining.

Used oil aggregation point: Any site or facility that accepts, aggregates, and/or stores used oil collected only from other used oil generation sites owned or operated by the owner or operator of the aggregation point, from which used oil is transported to the aggregation point in shipments of no more than 55 gallons. Used oil aggregation points may also accept used oil from household do-it-yourselfers.

Used oil burner: A facility where used oil not meeting the specification requirements in 40 CFR 279.11 is burned for energy recovery in devices identified in 40 CFR 279.61(a). Mixtures of used oil and non-hazardous solid waste shall have a minimum energy value of 5,000 BTUs per pound when burned as a fuel for energy recovery. [See OAR 340-111-0010(3)].

Used oil collection center: Any site or facility that is registered, licensed, permitted or recognized by a state, county or municipal government to manage used oil and accepts, aggregates and/or stores used oil collected from used oil generators who bring used oil to the collection center in shipments of no more than 55 gallons under the provisions of 40 CFR 279.24. Used oil collection centers may also accept used oil from household do-it-yourselfers.

Used oil fuel marketer: Any person who conducts either of the following activities:

- Directs a shipment of off-specification used oil from their facility to a used oil burner; or
- First claims that used oil that is to be burned for energy recovery meets the used oil fuel specifications set forth in 40 CFR 279.11

Used oil generator: Any person, at a single location, whose act or process produces used oil or whose act first causes used oil to become subject to regulation.

Used oil mixture: Any mixture of used oil as generated and another waste.

Used oil processor/re-refiner: A facility that processes used oil.

Used oil transfer facility: Any transportation related facility including loading docks, parking areas, storage areas, and other areas where shipments of used oil are held for more than 24 hours during the normal course of transportation and not longer than 35 days.

Used oil transporter: Any person who transports used oil, any person who collects used oil from more than one generator and transports the collected oil, and owners and operators of used oil transfer facilities. Used oil transporters may consolidate or aggregate loads of used oil for purposes of transportation but, with the following exception, may not process used oil. Transporters may conduct incidental processing operations that occur in the normal course of used oil transportation (e.g., settling and water separation), but that are not designed to produce (or make more amenable for production of) used oil derived products or used oil fuel.

Used oil: Any oil that has been refined from crude oil, or any synthetic oil, that has been used as a lubricant, coolant (non-contact heat transfer fluids), hydraulic fluid or for similar uses and as a result of such use is contaminated by physical or chemical impurities. Used oil includes, but is not limited to, used motor oil, gear oil, greases, machine cutting and coolant oils, hydraulic fluids, brake fluids, electrical insulation oils, heat transfer oils and refrigeration oils. Used oil does not include used oil mixed with hazardous waste except as allowed in 40 CFR 279.10(b), oil (crude or synthetic) based products used primarily as solvents, antifreeze, wastewaters from which the oil has been recovered, and oil contaminated media or debris.

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1999 Hazardous Waste Generation & Management Form

Instructions

Complete one two-sided **answer sheet** for **each** hazardous waste stream that was generated on-site, managed on-site or shipped off-site in 1999. Each hazardous waste stream should be reported on a separate answer sheet. See Helpful Hint # 6 on Page 7 to help identify hazardous waste streams. Do **not** report wastes that were received from off-site and then shipped off-site again without being treated on-site; you will need to report those wastes on the Hazardous Waste Received Form, on Page 29.

What information does this form collect?

This form collects information on the hazardous waste generated at your facility.

For example, it collects information on the **type** of hazardous waste generated, the **process** by which it was generated, and how and where the waste was **managed**.

What information do I need to complete this form?

To complete this form you need detailed information on the hazardous waste generated at your facility.

For each hazardous waste stream, you need to know how much waste was generated in 1999, how much waste was managed in 1999, and how and where the waste was managed.

A list of documents that may be useful in completing the report forms can be found on Page 2.

Which wastes do I report?

- **Do** report all federal and Oregon state-only hazardous wastes generated or managed on-site during 1999.
- **Do** report all hazardous wastes that were managed in **RCRA permitted or interim status** and **RCRA-exempt** systems in 1999.
- **Do NOT** report wastes that are not defined as RCRA or state-only hazardous wastes, such as PCBs, household hazardous wastes, or any other wastes listed in Helpful Hint #3 on Page 4.
- **Do NOT** report wastes that were received from off-site and then shipped off-site again without being treated on-site. If you receive hazardous waste from off-site, you will need to fill out the Hazardous Waste Received form on Page 29.
- **Do NOT** report waste managed as Universal Waste. See the Universal Waste definitions on Page 16.

See Helpful Hint # 4 on Page 6 for more information on what wastes need to be reported on this form.

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Questions

This is a question sheet. Record your answers on the separate answer sheet!
(One answer sheet for *each* hazardous waste stream or hazardous waste residual.)

Note: Make as many copies of the answer sheet as you need before answering any questions.

1. Briefly describe the hazardous waste stream reported on this form.

Provide a brief description of the waste.

2. Which hazardous waste code(s) are associated with this waste stream?

Find the correct waste codes on the manifest, LDR certification, MSD sheet, lab analysis or any other waste determination records. Double check by comparing with the waste codes listed on Pages 53 - 67.

Enter up to four codes in space provided, first listing the code that best describes the waste. List additional codes in the Comment Section located on the reverse side of Answer Sheet. If the waste is a lab pack, enter "LABP". (Note: If the waste is an Oregon state-only waste, leave this section blank.)

3. Is this an Oregon state-only hazardous waste? If so, which Oregon waste code *best describes* the waste?

If a waste does not have any EPA waste codes, but is a state-only regulated waste enter the state-only waste code found on Pages 68 - 69. Leave this section blank if the waste has EPA waste codes.

4. Is this a "mixed" waste, that is, both radioactive and hazardous?

Mixed wastes are wastes that are **both**:
- Hazardous as defined by the Resource Conservation and Recovery Act (See Helpful Hint #1 on Page 3) **and**
- Radioactive as defined by the Atomic Energy Act (see Helpful Hint #3 on Page 4 for the definition of nuclear waste).

Radioactive waste that is not also a hazardous waste should **not** be reported on this form.

5. Which *source code* identifies the production, service, management process, or cleanup activity associated with the generation of this hazardous waste stream?

Generation source codes are listed on Page 70. The source code describes the industrial process (for example, painting, oil changes, cleanup) associated with the generation of the hazardous waste. See Helpful Hint #6 on Page 7 for tips on identifying the correct source code.

6. Which *form code* best describes the form of this hazardous waste?

Form codes are listed on Pages 71 - 72. The form code describes the form of the hazardous waste (for example, liquid, solid, sludge or gas). See Helpful Hint #6 on Page 7 for tips on identifying the correct form code.

7. What is the *origin* of the waste?

Select the option that **best describes** the origin of this hazardous waste stream:
1. From **ongoing** generation from a production process or service activity;
2. As a result of a **one time/intermittent** activity (for example, spill cleanup or equipment decommissioning);
3. As a hazardous residual from management of a **non-hazardous** waste; or
4. As a hazardous residual from management of a previously existing **hazardous** waste.

NOTE: If you answered 1, 2, or 3, go to question 8.
If you answered 4, go to question 7A.

7A. If the waste is a *residual* from management of *hazardous waste,* enter the management code for the system associated with generating the waste.

Management codes are listed on Pages 73 - 74.
For example, if the waste stream reported on this form is a hazardous waste sludge generated from distilling a listed solvent, enter management code M021, for "solvent recovery by distillation."

8. Are there any toxic substances in this waste stream that your facility reported on its 1998 Toxic Chemical Release Inventory (TRI) Reporting Form (Form R)?

Check **one** of the following:

1. **No**, this facility did **not** file a TRI Report in 1998.
2. **No**, the facility **did** complete a 1998 TRI Report Form R, but the hazardous waste described on this answer sheet does **not** contain any toxic substances that were reported on the form.
3. **Yes**, this facility **did** complete a TRI Report Form R in 1998 and the hazardous waste described on this answer sheet **does** contain toxic substances that were reported on the form.

NOTE: If you answered 1 or 2, go to question 9.
If you answered 3, go to question 8A.

8A. Please provide the CAS number(s) for any toxic substances present in the waste stream that were reported on your 1998 Toxics Release Inventory Form R.

Enter up to four CAS numbers. If you need space for additional CAS numbers, use the comments section.

9. Please indicate the point at which the hazardous waste stream reported on this form was measured or calculated. (Check one)

1. Before mixing: this waste stream is **not** a mixture of hazardous waste streams and is **not** mixed with any non-hazardous waste streams;
2. After mixing with other **hazardous** waste streams;
3. After mixing with **non-hazardous** waste streams; or
4. After mixing with **both** hazardous and non-hazardous waste streams.

10. Complete the Worksheet provided on the Answer Sheet to show monthly generation rates for this waste stream.

Indicate the total amount of this waste stream generated during 1999. Indicate the appropriate code for the unit of measure used: P=pounds; G=gallons; ST=short tons (2000 lbs.); C=cubic yards; K=kilograms; L=liters; and MT=metric tons (1,000 KG). If the waste is a lab pack, enter the combined weight of the wastes and the shipping containers.

NOTE: Please use the same unit of measure when answering questions 11A, 12 and 13.

10A. If the waste is measured in either gallons, liters, or cubic yards, what is its density?

The density of a material is the weight of the material per unit of volume. Density of liquids is usually measured in pounds per gallon or specific gravity. Specific gravity is pounds per gallon divided by the density of water (8.345 pounds per gallon). Density of solids is usually measured in pounds per cubic yard. Density information is provided on Material Safety Data Sheets. If you do not provide a density, the density of water will be assumed.

Questions 11,11A, & 13 ask for information about how and where this hazardous waste stream was managed.

If the hazardous waste stream received more than one type of management, only report the **final** activity on this form. (Except for wastewater accumulated on-site prior to management in a wastewater treatment unit, see Helpful Hint # 9 on Page 9.)

11. Was this hazardous waste stream managed on-site or off-site in 1999? (See definition of Management on Page 12)

- This hazardous waste stream was managed **on-site** ——> answer 11A.
- This hazardous waste stream was managed **off-site** ——> answer 13.
- Part of this waste stream was managed on-site and part was managed off-site ——> answer 11A and 13.

Remember — if the waste stream was **first** managed on-site and its residual was managed off-site, you should report **only** the on-site management here. The residual and its management should be reported on a separate answer sheet. If a waste is treated on-site, but still shipped off-site as a hazardous waste **in its entirety,** report it as "off-site." If a waste is treated on-site, rendered non-hazardous, then shipped off-site **in its entirety**, report it as "on-site."

* If the waste stream was managed in an on-site distillation unit, see Helpful Hint # 8 on Page 9.

11A. If all or part of the hazardous waste stream was managed on-site, *how much* was managed and *how* was it managed?

IMPORTANT: Use ONLY the unit of measure from Question 10. Management codes are listed on Pages 73 - 74. Include all on-site recycling and treatment.

12. Provide the quantity of the hazardous waste stream that remained on-site at the end of 1999, not otherwise managed on- or off-site but accumulated or stored.

Note: Retain your records. Management of this waste stream must be reported on the year 2000 reporting forms.

13. If all or part of the hazardous waste stream was managed off-site, please provide the following for *each shipment* of the waste:

This information should be provided on side two of the answer sheet.

- The shipment date.
- The manifest document number.
- The quantity shipped (use **ONLY** the unit of measure from Question 10).
- The DEQ/US EPA ID number of the first transporter (located in block 5 of the Uniform Hazardous Waste Manifest).
- The code for how the waste was managed (management codes are listed on Pages 73 - 74. This should describe the final disposition of the waste. You may need to contact your disposal company for this information. See Helpful Hint # 7 on Page 8 for proper use of management method codes.
- If the waste was sent to a commercial facility. A commercial facility is a facility that manages waste generated by other companies. A facility which only manages waste generated by itself or by companies it owns is **not** a commercial facility.
- The DEQ/US EPA ID number of the location to which the waste was shipped (located in Block 10 of the Uniform Hazardous Waste Manifest).

Note: Fill in your facility's name and DEQ ID number on both sides of the two-sided answer sheet. Make as many copies as you need BEFORE answering any questions.

Send forms to:

Oregon DEQ
Waste Management & Cleanup Division
Attn: Hazardous Waste Forms Clerk
811 SW Sixth Ave.
Portland, OR 97204-1390

Forms are due by March 15, 2000.

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1999 Waste Generation & Management — Answer Sheet

PLEASE ENTER:
Facility Name: _____

DEQ ID Number: _____

NOTE: Make as many two-sided copies of the answer sheet as you need BEFORE answering any questions. REVIEW QUESTIONS ON PAGES 20-22 BEFORE COMPLETING ANSWER SHEET.

1. Waste Stream Description _____

_____

2. Waste Code(s) _____ _____ _____ _____

3. State-Only Code OR _____

4. Mixed Waste? ☐No ☐Yes

5. Source Code: A _____ **6.** Form Code: B _____

7. Waste Origin 1 ☐ 2 ☐ 3 ☐ 4 ☐

7A. Residual Management Code M _____

8. Reported Toxic Substances in Waste? 1 ☐ 2 ☐ 3 ☐

8A. CAS Number (s) _____ _____ _____ _____

9. Point of Measurement or Calculation 1 ☐ 2 ☐ 3 ☐ 4 ☐

10. Complete the Worksheet to the right and answer the following:

Total Quantity Generated for This Waste Stream _____

Unit of Measure P ☐ G ☐ ST ☐ C ☐ K ☐ L ☐ MT ☐

10A. Density _____ ☐Pounds/gallon ☐Specific gravity ☐Pounds/cubic yard

11. Managed On or Off-site? ☐On-site (answer 11A) ☐Off-site (answer 13) ☐Both On-site & Off-site (answer both 11A and 13)

11A. Quantity Managed or Recycled On-site _____ Management Code M _____

12. Quantity remaining on-site at the end of 1999 _____
(Not otherwise managed on-or off-site, but accumulated or stored)

Monthly Generation Worksheet (Question 10)

*Provide the actual monthly hazardous waste generation amounts for this waste stream (should not be a yearly average)

January	_____	July	_____
February	_____	August	_____
March	_____	September	_____
April	_____	October	_____
May	_____	November	_____
June	_____	December	_____

Total Quantity Generated for 1999: _____

If any of this waste stream was shipped off-site in 1999, give details of each shipment on the back of this answer sheet.

(Comment Section Located on Reverse)

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13. Provide the following information for each off-site shipment of waste.

(Include all shipments in 1999 for this waste stream even if it was generated in the previous year.)

Please Enter:
Facility Name: _____
DEQ ID Number: _____

1999 Manifest Shipment Date (enter month/day)	Manifest Document Number	Quantity Shipped of this Waste Stream (use unit of measure from Question #10)	DEQ/U.S. EPA ID # of First Transporter	How Managed (enter mgmt. code, other than M141)	Managed at Commercial Facility? (Y/N)	DEQ/U.S. EPA ID # of Receiving Facility (Designated Facility)

Comments: _____

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1999 Waste Generation & Management – Answer Sheet

PLEASE ENTER:
Facility Name: _____

DEQ ID Number: _____

NOTE: **Make as many two-sided copies of the answer sheet as you need BEFORE answering any questions. REVIEW QUESTIONS ON PAGES 20-22 BEFORE COMPLETING ANSWER SHEET.**

1. Waste Stream Description _____

_____

2. Waste Code(s) _____ _____ _____ _____

3. State-Only Code OR _____

4. Mixed Waste? ❒No ❒Yes

5. Source Code: A _____ 6. Form Code: B _____

7. Waste Origin 1 ❒ 2 ❒ 3 ❒ 4 ❒

7A. Residual Management Code M _____

8. Reported Toxic Substances in Waste? 1 ❒ 2 ❒ 3 ❒

8A. CAS Number (s) _____ _____ _____ _____

9. Point of Measurement or Calculation 1 ❒ 2 ❒ 3 ❒ 4 ❒

10. Complete the Worksheet to the right and answer the following:

Total Quantity Generated for This Waste Stream _____

Unit of Measure P ❒ G ❒ ST ❒ C ❒ K ❒ L ❒ MT ❒

10A. Density _____ ❒Pounds/gallon ❒Specific gravity ❒Pounds/cubic yard

11. Managed On or Off-site? ❒On-site (answer 11A) ❒Off-site (answer 13) ❒Both On-site & Off-site (answer both 11A and 13)

11A. Quantity Managed or Recycled On-site _____ Management Code M _____

12. Quantity remaining on-site at the end of 1999 _____
(Not otherwise managed on-or off-site, but accumulated or stored)

Monthly Generation Worksheet (Question 10)

*Provide the actual monthly hazardous waste generation amounts for this waste stream (should not be a yearly average)

January	_____	July	_____
February	_____	August	_____
March	_____	September	_____
April	_____	October	_____
May	_____	November	_____
June	_____	December	_____

Total Quantity Generated for 1999: _____

If any of this waste stream was shipped off-site in 1999, give details of each shipment on the back of this answer sheet.

(Comment section located on other side)

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13. Provide the following information for each off-site shipment of waste.

(Include all shipments in 1999 for this waste stream even if it was generated in the previous year.)

Please Enter:
Facility Name: _____
DEQ ID Number: _____

1999 manifest Shipment Date (enter month/day)	Manifest Document Number	Quantity Shipped of this Waste Stream (use unit of measure from Question #10)	DEQ/U.S. EPA ID # of First Transporter	How Managed (enter mgmt. code, other than M141)	Managed at Commercial Facility? (Y/N)	DEQ/U.S. EPA ID # of Receiving Facility (Designated Facility)

Additional comments: _____

Koppers014390

1999 Hazardous Waste Received Form

Instructions

Complete one two-sided **answer sheet** for **each** hazardous waste or state-only waste that was received from off-site during 1999. One answer sheet should be completed for **each** hazardous waste received from off-site, even if the waste was subsequently shipped off-site without being treated. See Helpful Hint # 6 on Page 7 to help identify hazardous waste streams.

Who needs to complete this form?

All facilities that receive hazardous waste from off-site must complete this form. This includes facilities that receive waste from off-site, store the waste, and then ship it off-site under a **new** manifest without any treatment. **Do not report receipts of raw material on this form.**

One form is completed for **each** waste stream received by your facility. Copy the form (and any needed attachment sheets) once for **each** waste stream received by your facility.

What information does this form collect?

This form collects information on hazardous waste received by your facility from off-site for treatment, storage, disposal, and/or recycling. For example, it collects information on the **type** of waste received, the **amount** of waste, and **how** the waste was managed on-site.

Receipts of the following types of waste should be reported on this form:

- All Federal and Oregon state-only wastes
- All wastes that are hazardous in the state of origin only
- All wastes that are required to be reported by a RCRA permit or agreement with DEQ

If the waste was **not** managed on-site, but instead was moved off-site without being managed, this form collects information regarding where the waste was sent and how it was managed at the receiving facility.

What information do I need to complete this form?

To complete this form, you need information on the hazardous waste received from off-site by this facility.

For each hazardous waste stream, you need to know how much you received from off-site in 1999, the DEQ identification number of the facility or facilities from which you received the waste, and how the waste was managed at your facility.

If the waste was **not** managed at your facility, but instead was moved off-site, you need to know where the waste was moved to and how it was managed at the receiving facility.

Waste received from Conditionally Exempt Generators:

In general, each shipment of hazardous waste received from off-site should be reported on a separate line on Question 7. However, if you received several shipments of one waste stream from Conditionally Exempt Generators from the same state, this information may be combined and reported on one line. To do this, enter the two letter state code and "CEG" in the field that requests the DEQ ID number of the facility from which the waste was received. For example, for CEG waste received from Oregon, enter ORCEG for the DEQ ID number. Report the **total** quantity of each hazardous waste stream received from CEGs in each state, leaving the date and manifest fields blank.

Hazardous residuals: If your facility received waste from off-site, managed the waste, and — in managing the waste — **generated** a hazardous waste residual, you should report receiving and managing the waste on this form. Report the generation of the residual on the Hazardous Waste Generation and Management Answer Sheet on Page 25.

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Reporting Electronically

Many facilities choose to submit the waste received portion of their annual report in an electronic format. This is encouraged by DEQ, as it reduces paperwork burden by both the facility and DEQ. If you need assistance in preparing a report in an electronic format, call (503) 229-6352.

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Questions

This is a question sheet. Record your answers on the separate answer sheet! (One sheet for *each* hazardous waste or hazardous waste residual.)

Note: Make as many copies of the answer sheet as you need before answering any questions.

1. Briefly describe the waste stream received by your facility that is reported on this form.

Provide a brief description of the waste.

2. Which hazardous waste code(s) are associated with the waste?

Find the correct waste codes on the manifest, LDR certifications, or other waste received documentation. Double check by comparing with the waste codes listed on Pages 53 - 67. Enter up to four codes, first listing the code that **best** describes the waste. If you need space for additional codes, use the comments section. If the waste is a labpack containing more than one hazardous waste, enter "LABP." (See definition for labpack on Page 12.) If the waste is an Oregon state-only waste, leave blank.

3. Is this a state-only hazardous waste in the state from which you received the waste?

If **No**, skip to **4.** If **Yes**, answer **3a** and **3b.**
If you entered hazardous waste codes in Question 2, answer "NO" to this question.

3a. From what state did you receive the waste?

Enter the two letter state code (e.g., WA for Washington).

3b. What state-only hazardous waste code is associated with this waste?

Enter the state-defined code which best describes the waste. For example, W001 is the Washington state code for PCBs. If you do not know the appropriate waste code, you can use X007, the Oregon code for waste designated as hazardous in other states. Oregon state-only waste codes are listed on Pages 68 - 69.

4. Is this a mixed waste, that is both radioactive and hazardous?

Mixed wastes are wastes that are both:

- Hazardous as defined by the Resource Conservation and Recovery Act (See Helpful Hint #1 on Page 3), **and**
- Radioactive as defined by the Atomic Energy Act (see Helpful Hint #3 on page 4.)

Radioactive waste that is **not** also a hazardous waste should **not** be reported on this form.

5. Which form code best describes the form of the waste received?

Form codes are listed on Pages 71 - 72. The form code describes the form of the hazardous waste (for example, mixed lab packs, scrubber water, oily sludge).

6. What is the total quantity of this hazardous waste stream received by your facility in 1999, and what is the unit of measure?

- Indicate the total amount of this waste stream received during 1999.
- Indicate the appropriate code for the unit of measure used: P=pounds; G=gallons; ST=short tons (2,000 lbs.); C=cubic yards; K=kilograms; L=liters; and MT=metric tons (1,000 kilograms).

Note: Please use this unit of measure when reporting quantities for questions **7** and **8a.** If the quantity is a lab pack, enter the combined weight of the wastes and the shipping containers.

6a. If the waste is measured in either gallons, liters, or cubic yards, what is its density?

Density information is provided on Material Safety Data Sheets. If you do not provide a density, the density of water will be assumed.

7. Please provide the following for *each shipment* of the waste received from off-site:

- The DEQ ID number of the facility from which the waste was received.
- The shipment date.
- The manifest document number.
- The quantity received in this shipment (using the same unit of measure as in Question **6**).
- The management code for how the waste was managed at your facility (management codes are listed on Pages 73-74).

If this waste was received in more than 10 shipments, please use the **continuation sheet** attached.

Note: If you received several shipments of a waste stream from more than one Conditionally Exempt Generator from a single state, you should combine the information and report it on one line. To do this enter the state code followed by "CEG" as the **DEQ ID # of Sending facility.** For example, if you receive a waste stream from many conditionally exempt generators in Oregon and Washington you need only complete two lines. For the first line enter "ORCEG" as the DEQ ID number, then enter the total amount of this waste stream received from CEGs in Oregon. You must also enter the appropriate management code, but the shipment date and the manifest document number will be left blank. On the second line enter the same for the Washington CEGs using "WACEG" as the DEQ ID number.

8. Was the waste transferred off-site without receiving any on-site management?

If **No**, skip to **9**. If **Yes**, answer **8a**.

8a. Please provide the following for *each shipment* of this hazardous waste stream that was received from off-site and then transferred off-site without receiving any on-site management.

- The shipment date.
- The manifest document number.
- The quantity shipped (use unit of measure from Question **6**).
- The DEQ ID number of the first location to which the waste was shipped.
- The code for how the waste was managed (management codes are listed on Pages 73 - 74.
- Whether the waste was sent to a commercial facility.

A "commercial facility" is a facility whose business is the management of wastes generated by other firms. A facility that **only** manages waste generated by facilities under the same ownership is **not** commercial.

If this waste was sent off-site in more than 10 shipments, please use the **continuation sheet** attached.

9. Please provide any comments, additional information, or explanation in the space provided.

1999 Hazardous Waste Received Answer Sheet

Answers

PLEASE ENTER:

Facility Name: _____

DEQ ID Number: _____

Before completing, copy as many **two-sided** sheets as you will need.

1. **Describe waste received:** _____

2. **Hazardous waste code(s):** 1. _____ 2. _____ 3. _____ 4. _____

3. **State-only waste?**

☐ No
(If No, **skip to** 4)

☐ Yes
(If Yes, **go to** 3a)

3a. State Code: _____
3b. Waste Code: _____

4. **Mixed waste?** ☐ No ☐ Yes

5. **Form Code:** B_____

6. **Quantity:** _____

Unit of measure (Check one): ☐ P ☐ G ☐ ST ☐ C ☐ K ☐ L ☐ MT

6a. If unit of measure is G, L, or C, enter the density and indicate the density unit of measure for the waste.

Density: _____

Density unit of measure:
☐ Pounds/gallon
☐ Specific gravity
☐ Pounds/cubic yard

Please turn over.

7. Please provide the following information for *each shipment* of the waste received from off-site.

DEQ ID # of sending facility	1999 shipment date (enter month/day)	Manifest document number	Quantity received (use unit of measure from Question 6)	How managed (enter mgmt. code)
				M
				M
				M
				M
				M
				M
				M
				M
				M

If more than 10 shipments, please use the attached Continuation Sheet for Question 7.

8. Was waste shipped off-site without on-site management? ☐ No **(Skip to** 9) ☐ Yes **(Answer** 8a)

8a. Please provide the following information for *each shipment* that was transferred off-site without receiving any on-site management.

1999 manifest shipment date (enter month/day)	Manifest document number	Quantity shipped (use unit of measure from Question 6)	DEQ ID # of receiving facility	How managed (enter mgmt. code)	Managed at commercial facility? (Y/N)
				M	
				M	
				M	
				M	
				M	
				M	
				M	
				M	
				M	
				M	

If more than 10 shipments, please use the attached Continuation Sheet for Question 8.

9. Please provide any comments, additional information, or explanation:

1999 Hazardous Waste Received

PLEASE ENTER:

Facility Name: _____

DEQ ID Number: _____

Continuation Sheet for Question 7

Before completing, copy as many sheets as you will need.

Continuation sheet # _____ of _____.

Hazardous Waste Code(s) _____

7. *Continued.* Please provide the following information for *each shipment* of the waste received from off-site.

DEQ ID # of sending facility	1999 shipment date (enter month/day)	Manifest document number	Quantity received (use unit of measure from Question 6)	How managed (enter mgmt. code)
				M
				M
				M
				M
				M
				M
				M
				M
				M
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				M
				M

CONTINUATION FOR QUESTION 7

7. ***Continued.*** **Please provide the following information for *each shipment* of the waste received from off-site.**

DEQ ID # of sending facility	1999 shipment date (enter month/day)	Manifest document number	Quantity received (use unit of measure from Question 6)	How managed (enter mgmt. **code)**
				M
				M
				M
				M
				M
				M
				M
				M
				M
				M
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				M
				M
				M
				M

CONTINUATION FOR QUESTION 7

Koppers014398

1999 Hazardous Waste Received

Continuation Sheet for Question 8a

PLEASE ENTER:

Facility Name: _____

DEQ ID Number: _____

Before completing, copy as many sheets as you will need.

Continuation sheet # _____ of _____.

Hazardous Waste Code(s) _____

8a . *Continued.* Please provide the following information for each shipment that was transferred off-site without receiving any on-site management.

1999 manifest shipment date (enter month/day)	Manifest document number	Quantity shipped (use unit of measure from Question 6)	DEQ ID # of receiving facility	How managed (enter mgt. code)	Managed at commercial facility? (Y/N)
				M	
				M	
				M	
				M	
				M	
				M	
				M	
				M	
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				M	
				M	

CONTINUATION FOR QUESTION 8a

8a . *Continued.* Please provide the following information for each shipment that was transferred off-site without receiving any on-site management.

1999 manifest shipment date (enter month/day)	Manifest document number	Quantity shipped (use unit of measure from Question 6)	DEQ ID # of receiving facility	How managed (enter mgt. code)	Managed at commercial facility? (Y/N)
				M	
				M	
				M	
				M	
				M	
				M	
				M	
				M	
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				M	
				M	
				M	

CONTINUATION FOR QUESTION 8a

Koppers014400

Codes

Standard Industrial Classification Codes

The Standard Industrial Classification (SIC) Code was developed by the Federal Government to aid in gathering economic statistics and to help compare information from different government agencies. SIC codes define industries according to their economic structure, classify businesses by their primary activities, and recognize those industries that meet the federal conditions in terms of number of people employed, volume of business and other measurements of economic activity.
Below are some ranges to help you identify your facility's four-digit SIC code, followed by a complete list of SIC codes. The complete list begins on Page 41.

Note: nec means not elsewhere classified.

SIC CODE CATEGORIES

TREATMENT, STORAGE AND DISPOSAL FACILITIES

4953	Refuse system
4959	Sanitary services, not elsewhere classified

AGRICULTURE

0111 - 0191	Agriculture Production - Crops
0211 - 0291	Agricultural Production - Livestock
0711 - 0783	Agricultural Services
0811 - 0851	Forestry
0912 - 0971	Fishing, Hunting, and Trapping

MINING

1011 - 1099	Metal Mining
1221 - 1241	Coal Mining
1311 - 1389	Oil and Gas Extraction
1411 - 1499	Nonmetalic Minerals, Except Fuels

CONSTRUCTION

1521 - 1542	General Building Contractors
1611 - 1629	Heavy Construction, Excluding Buildings
1711 - 1799	Special Trade Contractors

MANUFACTURING

2011 - 2099	Food and Kindred Products
2111 - 2141	Tobacco Products
2211 - 2299	Textile Mill Products
2311 - 2399	Apparel and Other Textile Products
2411 - 2499	Lumber and Wood Products
2511 - 2599	Furniture and Fixtures
2611 - 2679	Paper and Allied Products
2711 - 2796	Printing and Publishing
2812 - 2899	Chemicals and Allied Products
2911 - 2999	Petroleum and Coal Products
3011 - 3089	Rubber and Miscellaneous Plastic Products
3111 - 3199	Leather and Leather Products
3211 - 3299	Stone, Clay and Glass Products
3312 - 3399	Primary Metal Industries
3411 - 3499	Fabricated Metal Products
3511 - 3599	Industrial Machinery and Equipment
3612 - 3699	Electronic and Other Electrical Equipment
3711 - 3799	Transportation Equipment
3812 - 3873	Instruments and Related Products
3911 - 3999	Miscellaneous Manufacturing Industries

TRANSPORTATION AND UTILITIES

4011 - 4013	Railroad Transportation
4111 - 4173	Local and Interurban Passenger Transit
4212 - 4231	Trucking and Warehousing
4311	US Postal Service
4412 - 4499	Water Transportation
4512 - 4581	Transportation by Air
4612 - 4619	Pipelines, Except Natural Gas
4724 - 4789	Transportation Services
4812 - 4899	Communications
4911 - 4971	Electric, Gas, and Sanitary Services

WHOLESALE TRADE

5012 - 5099	Wholesale Trade, Durable Goods
5111 - 5199	Wholesale Trade, Nondurable Goods

RETAIL TRADE

5211 - 5271	Building Materials and Garden Supplies
5311 - 5399	General Merchandise Stores
5411 - 5499	Food Stores
5511 - 5599	Automotive Dealers and Service Stations
5611 - 5699	Apparel Accessory Stores
5712 - 5736	Furniture and Home Furnishing Stores
5812 - 5813	Eating and Drinking Places
5912 - 5999	Miscellaneous Retail

Koppers014401

FINANCE, INSURANCE, & REAL ESTATE

6011 - 6099	Depository Institutions
6111 - 6163	Nondepository Institutions
6211 - 6289	Security and Commodity Brokers
6311 - 6399	Insurance Carriers
6411	Insurance Agents, Brokers, and Service
6512 - 6553	Real Estate
6712 - 6799	Holding and Other Investment Offices

SERVICES

7011 - 7041	Hotels and Other Lodging Places
7211 - 7299	Personal Services
7311 - 7389	Business Services
7513 - 7549	Automotive Repair, Services and Parking
7622 - 7699	Miscellaneous Repair Services
7812 - 7841	Motion Pictures
7911 - 7999	Amusement and Recreation Services
8011 - 8099	Health Services
8111	Legal Services
8211 - 8299	Educational Services
8322 - 8399	Social Services
8412 - 8422	Museums, Botanical, Zoological Gardens
8611 - 8699	Membership Organizations
8711 - 8748	Engineering and Management Services
8811	Private Households
8999	Services, nec

PUBLIC ADMINISTRATION

9111 - 9199	Executive, Legislative, and General
9211 - 9229	Justice, Public Order, and Safety
9311	Finance, Taxation and Monetary Policy
9411 - 9451	Administration of Human Resources
9511 - 9532	Environmental Quality and Housing
9611 - 9661	Administration of Economic Programs
9711 - 9721	National Security and International Affairs
9999	Nonclassifiable Establishment

Koppers014402

SIC Code	Industry
AGRICULTURE	
Agricultural Production—Crops	
0111	Wheat
0112	Rice
0115	Corn
0116	Soybeans
0119	Cash grains, nec
0131	Cotton
0132	Tobacco
0133	Sugar cane and sugar beets
0134	Irish potatoes
0139	Field crops, except cash grains, nec
0161	Vegetables and melons
0171	Berry crops
0172	Grapes
0173	Tree nuts
0174	Citrus fruits
0175	Deciduous tree fruits
0179	Fruits and tree nuts, nec
0181	Ornamental nursery products
0182	Food crops grown under cover
0191	General farms, primarily crops
Agricultural Production—Livestock	
0211	Beef cattle feedlots
0212	Beef cattle, except feedlots
0213	Hogs
0214	Sheep and goats
0219	General livestock, nec
0241	Dairy farms
0251	Broiler, fryer, and roaster chickens
0252	Chicken eggs
0253	Turkeys and turkey eggs
0254	Poultry hatcheries
0259	Poultry and eggs, nec
0271	Fur-bearing animals and rabbits
0272	Horses and other equines
0273	Animal aquaculture
0279	Animal specialties, nec
0291	General farms, primarily animal
Agricultural Services	
0711	Soil preparation services
0721	Crop planting and protecting
0722	Crop harvesting
0723	Crop preparation services for market
0724	Cotton ginning
0741	Veterinary services, for livestock
0742	Veterinary services, specialties
0751	Livestock services, except veterinary
0752	Animal specialty services
0761	Farm labor contractors
0762	Farm management services
0781	Landscape counseling and planning
0782	Lawn and garden services
0783	Ornamental shrub and tree services
Forestry	
0811	Timber tracts
0831	Forest products
0851	Forestry services
Fishing, Hunting, and Trapping	
0912	Finfish
0913	Shellfish
0919	Miscellaneous marine products
0921	Fish hatcheries and preserves
0971	Hunting, trapping, game propagation
MINING	
Metal Mining	
1011	Iron ores
1021	Copper ores
1031	Lead and zinc ores
1041	Gold ores
1044	Silver ores
1061	Ferroalloy ores, except vanadium
1081	Metal mining services
1094	Uranium, radium, vanadium ores
1099	Metal ores, nec
Coal Mining	
1221	Bituminous coal and lignite — surface
1222	Bituminous coal — underground
1231	Anthracite mining
1241	Coal mining services
Oil and Gas Extraction	
1311	Crude petroleum and natural gas
1321	Natural gas liquids
1381	Drilling oil and gas wells
1382	Oil and gas exploration services
1389	Oil and gas field services, nec
Nonmetallic Minerals, Except Fuels	
1411	Dimension stone
1422	Crushed and broken limestone
1423	Crushed and broken granite
1429	Crushed and broken stone, nec
1442	Construction sand and gravel
1446	Industrial sand
1455	Kaolin and ball clay
1459	Clay and related minerals, nec
1474	Potash, soda and borate minerals
1475	Phosphate rock

SIC Code	Industry
1479	Chemical and fertilizer mining, nec
1481	Nonmetallic minerals services
1499	Miscellaneous nonmetallic minerals, nec

CONSTRUCTION

General Building Contractors

1521	Single-family housing construction
1522	Residential construction, nec
1531	Operative builders
1541	Industrial buildings and warehouses
1542	Nonresidential construction, nec

Heavy Construction, Excluding Buildings

1611	Highway and street construction
1622	Bridge, tunnel, and elevated highway
1623	Water, sewer, and utility lines
1629	Heavy construction, nec

Special Trade Contractors

1711	Plumbing, heating, air condi-tioning
1721	Painting and paper hanging
1731	Electrical work
1741	Masonry and other stonework
1742	Plastering, drywall, and insulation
1743	Terrazzo, tile, marble, mosaic work
1751	Carpentry work
1752	Floor laying and floor work, nec
1761	Roofing, siding, and sheet metal work
1771	Concrete work
1781	Water well drilling
1791	Structural steel erection
1793	Glass and glazing work
1794	Excavation work
1795	Wrecking and demolition work
1796	Installing building equipment, nec
1799	Special trade contractors, nec

MANUFACTURING

Food and Kindred Products

2011	Meat packing plants
2013	Sausages and other prepared meats
2015	Poultry slaughtering and processing
2021	Creamery butter
2022	Cheese, natural and processed
2023	Dry, condensed, evaporated products
2024	Ice cream and frozen desserts
2026	Fluid milk
2032	Canned specialties
2033	Canned fruits and vegetables
2034	Dehydrated fruits, vegetables, soups
2035	Pickles, sauces, and salad dressings
2037	Frozen fruits and vegetables
2038	Frozen specialties, nec
2041	Flour and other grain mill products
2043	Cereal breakfast foods
2044	Rice milling
2045	Prepared flour mixes and doughs
2046	Wet corn milling
2047	Dog and cat food
2048	Prepared feeds, nec
2051	Bread, cake, and related products
2052	Cookies and crackers
2053	Frozen bakery products, except bread
2061	Raw cane sugar
2062	Cane sugar refining
2063	Beet sugar
2064	Candy and other confectionery products
2066	Chocolate and cocoa products
2067	Chewing gum
2068	Salted and roasted nuts and seeds
2074	Cottonseed oil mills
2075	Soybean oil mills
2076	Vegetable oil mills, nec
2077	Animal and marine fats and oils
2079	Edible fats and oils, nec
2082	Malt beverages
2083	Malt
2084	Wines, brandy, and brandy spirits
2085	Distilled and blended liquors
2086	Bottled and canned soft drinks
2087	Flavoring extracts and syrups, nec
2091	Canned and cured fish and seafood
2092	Fresh or frozen prepared fish
2095	Roasted coffee
2097	Manufactured ice
2098	Macaroni and spaghetti
2099	Food preparations, nec

Tobacco Products

2111	Cigarettes
2121	Cigars
2131	Chewing and smoking tobacco
2141	Tobacco stemming and redrying

Textile Mill Products

2211	Broadwoven fabric mills, cotton
2221	Broadwoven fabric mills, man-made
2231	Broadwoven fabric mills, wool
2241	Narrow fabric mills
2251	Women's hosiery, except socks
2252	Hosiery, nec
2253	Knit outerwear mills
2254	Knit underwear mills
2257	Weft knit fabric mills
2258	Lace and warp knit fabric mills

SIC Code	Industry
2259	Knitting mills, nec
2261	Finishing plants, cotton
2262	Finishing plants, man-made
2269	Finishing plants, nec
2273	Carpets and rugs
2281	Yarn spinning mills
2282	Throwing and winding mills
2284	Thread mills
2295	Coated fabrics, not rubberized
2296	Tire cord and fabrics
2297	Nonwoven fabrics
2298	Cordage and twine
2299	Textile goods, nec
	Apparel and Other Textile Products
2311	Men's and boys' suits and coats
2321	Men's and boys' shirts
2322	Men's and boys' underwear and nightwear
2323	Men's and boys' neckwear
2325	Men's and boys' trousers and slacks
2326	Men's and boys' work clothing
2329	Men's and boys' clothing, nec
2331	Women's and misses' blouses and shirts
2335	Women's, juniors' and misses' dresses
2337	Women's and misses' suits and coats
2339	Women's and misses' outerwear, nec
2341	Women's and children's underwear
2342	Bras, girdles, and allied garments
2353	Hats, caps, and millinery
2361	Girls' and children's dresses, blouses
2369	Girls' and children's outerwear, nec
2371	Fur goods
2381	Fabric dress and work gloves
2384	Robes and dressing gowns
2385	Waterproof outerwear
2386	Leather and sheep lined clothing
2387	Apparel belts
2389	Apparel and accessories, nec
2391	Curtains and draperies
2392	House furnishings, nec
2393	Textile bags
2394	Canvas and related products
2395	Pleating and stitching
2396	Automotive and apparel trimmings
2397	Schiffli machine embroideries
2399	Fabricated textile products, nec
	Lumber and Wood Products
2411	Logging
2421	Sawmills and planing mills, general
2426	Hardwood dimension and flooring mills
2429	Special product sawmills, nec
2431	Millwork
2434	Wood kitchen cabinets
2435	Hardwood veneer and plywood
2436	Softwood veneer and plywood
2439	Structural wood members, nec
2441	Nailed wood boxes and shook
2448	Wood pallets and skids
2449	Wood containers, nec
2451	Mobile homes
2452	Prefabricated wood buildings
2491	Wood preserving
2493	Reconstituted wood products
2499	Wood products, nec
	Furniture and Fixtures
2511	Wood household furniture
2512	Upholstered household furniture
2514	Metal household furniture
2515	Mattresses and bedsprings
2517	Wood TV and radio cabinets
2519	Household furniture, nec
2521	Wood office furniture
2522	Office furniture, except wood
2531	Public building and related furniture
2541	Wood partitions and fixtures
2542	Partitions and fixtures, except wood
2591	Drapery hardware and blinds and shades
2599	Furniture and fixtures, nec
	Paper and Allied Products
2611	Pulp mills
2621	Paper mills
2631	Paperboard mills
2652	Set-up paperboard boxes
2653	Corrugated and solid fiber boxes
2655	Fiber cans, drums, and similar products
2656	Sanitary food containers
2657	Folding paperboard boxes
2671	Paper coated and laminated, packaging
2672	Paper coated and laminated, nec
2673	Bags — plastics, laminated and coated
2674	Bags — uncoated paper and multiwall
2675	Die-cut paper and board
2676	Sanitary paper products
2677	Envelopes
2678	Stationery products
2679	Converted paper products, nec
	Printing and Publishing
2711	Newspapers
2721	Periodicals
2731	Book publishing
2732	Book printing
2741	Miscellaneous publishing
2752	Commercial printing, lithographic
2754	Commercial printing, gravure

SIC Code	Industry
2759	Commercial printing, nec
2761	Manifold business forms
2771	Greeting cards
2782	Blankbooks and looseleaf binders
2789	Bookbinding and related work
2791	Typesetting
2796	Plate making services
Chemicals and Allied Products	
2812	Alkalies and chlorine
2813	Industrial gases
2816	Inorganic pigments
2819	Industrial inorganic chemicals, nec
2821	Plastics materials and resins
2822	Synthetic rubber
2823	Cellulosic man-made fibers
2824	Organic fibers, noncellulosic
2833	Medicinals and botanicals
2834	Pharmaceutical preparations
2835	Diagnostic substances
2836	Biological products, except diagnostic
2841	Soap and other detergents
2842	Polishes and sanitation goods
2843	Surface active agents
2844	Toilet preparations
2851	Paints and allied products
2861	Gum and wood chemicals
2865	Cyclic crudes and intermediates
2869	Industrial organic chemicals, nec
2873	Nitrogenous fertilizers
2874	Phosphatic fertilizers
2875	Fertilizers, mixing only
2879	Agricultural chemicals, nec
2891	Adhesives and sealants
2892	Explosives
2893	Printing ink
2895	Carbon black
2899	Chemical preparations, nec
Petroleum and Coal Products	
2911	Petroleum refining
2951	Asphalt paving mixtures and blocks
2952	Asphalt felts and coatings
2992	Lubricating oils and greases
2999	Petroleum and coal products, nec
Rubber and Miscellaneous Plastic Products	
3011	Tires and inner tubes
3021	Rubber and plastics footwear
3052	Rubber and plastics hose and belting
3053	Gaskets, packing and sealing devices
3061	Mechanical rubber goods
3069	Fabricated rubber products, nec
3081	Unsupported plastics, film and sheet
3082	Unsupported plastics, profile shapes
3083	Laminated plastics, plate and sheet
3084	Plastics, pipe
3085	Plastics, bottles
3086	Plastics, foam products
3087	Custom compound purchased resins
3088	Plastics, plumbing fixtures
3089	Plastics products, nec
Leather and Leather Products	
3111	Leather tanning and finishing
3131	Footwear, cut stock
3142	House slippers
3143	Men's footwear, except athletic
3144	Women's footwear, except athletic
3149	Footwear, except rubber, nec
3151	Leather gloves and mittens
3161	Luggage
3171	Women's handbags and purses
3172	Personal leather goods, nec
3199	Leather goods, nec
Stone, Clay, and Glass Products	
3211	Flat glass
3221	Glass containers
3229	Pressed and blown glass, nec
3231	Products of purchased glass
3241	Cement, hydraulic
3251	Brick and structural clay tile
3253	Ceramic wall and floor tile
3255	Clay refractories
3259	Structural clay products, nec
3261	Vitreous plumbing fixtures
3262	Vitreous china table and kitchenware
3263	Semivitreous table and kitchenware
3264	Porcelain electrical supplies
3269	Pottery products, nec
3271	Concrete block and brick
3272	Concrete products, nec
3273	Ready-mixed concrete
3274	Lime
3275	Gypsum products
3281	Cut stone and stone products
3291	Abrasive products
3292	Asbestos products
3295	Minerals, ground or treated
3296	Mineral wool
3297	Nonclay refractories
3299	Nonmetallic mineral products, nec
Primary Metal Industries	
3312	Blast furnaces and steel mills
3313	Electrometallurgical products
3315	Steel wire and related products

SIC Code	Industry
3316	Cold finishing of steel shapes
3317	Steel pipe and tubes
3321	Gray and ductile iron foundries
3322	Malleable iron foundries
3324	Steel investment foundries
3325	Steel foundries, nec
3331	Primary copper
3334	Primary aluminum
3339	Primary nonferrous metals, nec
3341	Secondary nonferrous metals
3351	Copper rolling and drawing
3353	Aluminum sheet, plate, and foil
3354	Aluminum extruded products
3355	Aluminum rolling and drawing, nec
3356	Nonferrous rolling and drawing, nec
3357	Nonferrous wire drawing and insulating
3363	Aluminum die-castings
3364	Nonferrous die-castings, except aluminum
3365	Aluminum foundries
3366	Copper foundries
3369	Nonferrous foundries, nec
3398	Metal heat treating
3399	Primary metal products, nec
	Fabricated Metal Products
3411	Metal cans
3412	Metal barrels, drums, and pails
3421	Cutlery
3423	Hand and edge tools, nec
3425	Saw blades and handsaws
3429	Hardware, nec
3431	Metal sanitary ware
3432	Plumbing fixture fittings and trim
3433	Heating equipment, except electric
3441	Fabricated structural metal
3442	Metal doors, sash, and trim
3443	Fabricated plate work (boiler shops)
3444	Sheet metal work
3446	Architectural metal work
3448	Prefabricated metal buildings
3449	Miscellaneous metal work
3451	Screw machine products
3452	Bolts, nuts, rivets, and washers
3462	Iron and steel forgings
3463	Nonferrous forgings
3465	Automotive stampings
3466	Crowns and closures
3469	Metal stampings, nec
3471	Plating and polishing
3479	Metal coating and allied services
3482	Small arms ammunition
3483	Ammunition, except for small arms, nec
3484	Small arms
3489	Ordnance and accessories, nec
3491	Industrial valves
3492	Fluid power valves and hose fittings
3493	Steel springs, except wire
3494	Valves and pipe fittings, nec
3495	Wire springs
3496	Miscellaneous fabricated wire products
3497	Metal foil and leaf
3498	Fabricated pipe and fittings
3499	Fabricated metal products, nec
	Industrial Machinery and Equipment
3511	Turbines and turbine generator sets
3519	Internal combustion engines, nec
3523	Farm machinery and equipment
3524	Lawn and garden equipment
3531	Construction machinery
3532	Mining machinery
3533	Oil and gas field machinery
3534	Elevators and moving stairways
3535	Conveyors and conveying equipment
3536	Hoists, cranes, and monorails
3537	Industrial trucks and tractors
3541	Machine tools, metal cutting types
3542	Machine tools, metal forming types
3543	Industrial patterns
3544	Special dies, tools, jigs, and fixture
3545	Machine tool accessories
3546	Power driven hand tools
3547	Rolling mill machinery
3548	Welding apparatus
3549	Metalworking machinery, nec
3552	Textile machinery
3553	Woodworking machinery
3554	Paper industries machinery
3555	Printing trades machinery
3556	Food products machinery
3559	Special industry machinery, nec
3561	Pumps and pumping equipment
3562	Ball and roller bearings
3563	Air and gas compressors
3564	Blowers and fans
3565	Packaging machinery
3566	Speed changers, drives, and gears
3567	Industrial furnaces and ovens
3568	Power transmission equipment, nec
3569	General industrial machinery, nec
3571	Electronic computers
3572	Computer storage devices
3575	Computer terminals
3577	Computer peripheral equipment, nec
3578	Calculating and accounting equipment
3579	Office machines, nec
3581	Automatic vending machines
3582	Commercial laundry equipment

SIC Code	Industry
3585	Refrigeration and heating equipment
3586	Measuring and dispensing pumps
3589	Service industry machinery, nec
3592	Carburetors, pistons, rings, valves
3593	Fluid power cylinders and actuators
3594	Fluid power pumps and motors
3596	Scales and balances, except laboratory
3599	Industrial machinery, nec
Electronic and Other Electric Equipment	
3612	Transformers, except electronic
3613	Switchgear and switchboard apparatus
3621	Motors and generators
3624	Carbon and graphite products
3625	Relays and industrial controls
3629	Electrical industrial apparatus, nec
3631	Household cooking equipment
3632	Household refrigerators and freezers
3633	Household laundry equipment
3634	Electric housewares and fans
3635	Household vacuum cleaners
3639	Household appliances, nec
3641	Electric lamps
3643	Current-carrying wiring devices
3644	Noncurrent-carrying wiring devices
3645	Residential lighting fixtures
3646	Commercial lighting fixtures
3647	Vehicular lighting equipment
3648	Lighting equipment, nec
3651	Household audio and video equipment
3652	Prerecorded records and tapes
3661	Telephone and telegraph apparatus
3663	Radio and TV communication equipment
3669	Communications equipment, nec
3671	Electron tubes
3672	Printed circuit boards
3674	Semiconductors and related devices
3675	Electronic capacitors
3676	Electronic resistors
3677	Electronic coils and transformers
3678	Electronic connectors
3679	Electronic components, nec
3691	Storage batteries
3692	Primary batteries, dry and wet
3694	Engine electrical equipment
3695	Magnetic and optical recording media
3699	Electrical equipment and supplies, nec
Transportation Equipment	
3711	Motor vehicles and car bodies
3713	Truck and bus bodies
3714	Motor vehicle parts and accessories
3715	Truck trailers
3716	Motor homes
3721	Aircraft
3724	Aircraft engines and engine parts
3728	Aircraft parts and equipment, nec
3731	Ship building and repairing
3732	Boat building and repairing
3743	Railroad equipment
3751	Motorcycles, bicycles, and parts
3761	Guided missiles and space vehicles
3764	Space propulsion units and parts
3769	Space vehicle equipment, nec
3792	Travel trailers and campers
3795	Tanks and tank components
3799	Transportation equipment, nec
Instruments and Related Products	
3812	Search and navigation equipment
3821	Laboratory apparatus and furniture
3822	Environmental controls
3823	Process control instruments
3824	Fluid meters and counting devices
3825	Instruments to measure electricity
3826	Analytical instruments
3827	Optical instruments and lenses
3829	Measuring and controlling devices, nec
3841	Surgical and medical instruments
3842	Surgical appliances and supplies
3843	Dental equipment and supplies
3844	X-ray apparatus and tubes
3845	Electromedical equipment
3851	Ophthalmic goods
3861	Photographic equipment and supplies
3873	Watches, clocks, watchcases, and parts
Miscellaneous Manufacturing Industries	
3911	Jewelry, precious metal
3914	Silverware and plated ware
3915	Jewelers' materials and lapidary work
3931	Musical instruments
3942	Dolls and stuffed toys
3944	Games, toys, and children's vehicles
3949	Sporting and athletic goods, nec
3951	Pens and mechanical pencils
3952	Lead pencils and art goods
3953	Marking devices
3955	Carbon paper and inked ribbons
3961	Costume jewelry
3965	Fasteners, buttons, needles, and pins
3991	Brooms and brushes
3993	Signs and advertising specialties
3995	Burial caskets
3996	Hard surface floor coverings, nec
3999	Manufacturing industries, nec

SIC Code	Industry

TRANSPORTATION AND UTILITIES

Railroad Transportation

4011	Railroads, line-haul operating
4013	Switching and terminal devices

Local and Interurban Passenger Transit

4111	Local and suburban transit
4119	Local passenger transportation, nec
4121	Taxicabs
4131	Intercity and rural bus transportation
4141	Local bus charter service
4142	Bus charter service, except local
4151	School buses
4173	Bus terminal and service facilities

Trucking and Warehousing

4212	Local trucking, without storage
4213	Trucking, except local
4214	Local trucking with storage
4215	Courier services, except by air
4221	Farm product warehousing and storage
4222	Refrigerated warehousing and storage
4225	General warehousing and storage
4226	Special warehousing and storage, nec
4231	Trucking terminal facilities

U.S. Postal Service

4311	U.S. Postal Service

Water Transportation

4412	Deep sea foreign transportation of freight
4424	Deep sea domestic trans. of freight
4432	Freight transportation, on the Great Lakes
4449	Water transportation of freight, nec
4481	Deep sea passenger trans., except ferry
4482	Ferries
4489	Water passenger transportation, nec
4491	Marine cargo handling
4492	Towing and tugboat service
4493	Marinas
4499	Water transportation services, nec

Transportation by Air

4512	Air transportation, scheduled
4513	Air courier services
4522	Air transportation, nonscheduled
4581	Airports, flying fields, and services

Pipelines, Except Natural Gas

4612	Crude petroleum pipelines
4613	Refined petroleum pipelines
4619	Pipelines, nec

SIC Code	Industry

Transportation Services

4724	Travel agencies
4725	Tour operators
4729	Passenger transportation arrangement, nec
4731	Freight transportation arrangement
4741	Rental of railroad cars
4783	Packing and crating
4785	Inspection and fixed facilities
4789	Transportation services, nec

Communications

4812	Radiotelephone communications
4813	Telephone communications, except radio
4822	Telegraph and other communications
4832	Radio broadcasting stations
4833	Television broadcasting stations
4841	Cable and other pay TV services
4899	Communication services, nec

Electric, Gas, and Sanitary services

4911	Electric services
4922	Natural gas transmission
4923	Gas transmission and distribution
4924	Natural gas distribution
4925	Gas production and/or distribution
4931	Electric and other services combined
4932	Gas and other services combined
4939	Combination utilities, nec
4941	Water supply
4952	Sewerage systems
4953	Refuse systems
4959	Sanitary services, nec
4961	Steam and air conditioning supply
4971	Irrigation systems

WHOLESALE TRADE

Wholesale Trade, Durable Goods

5012	Automobiles and other motor vehicles
5013	Motor vehicle supplies and new parts
5014	Tires and tubes
5015	Motor vehicle parts, used
5021	Furniture
5023	Home furnishings
5031	Lumber, plywood, and millwork
5032	Brick, stone, and related materials
5033	Roofing, siding, and insulation
5039	Construction materials, nec
5043	Photographic equipment and supplies
5044	Office equipment
5045	Computers, peripherals, and software
5046	Commercial equipment, nec
5047	Medicinal and hospital equipment

SIC Code	Industry
5048	Ophthalmic goods
5049	Professional equipment, nec
5051	Metals service centers and offices
5052	Coal and other minerals and ores
5063	Electrical apparatus and equipment
5064	Electrical appliances, TV and radios
5065	Electronic parts and equipment
5072	Hardware
5074	Plumbing and hydronic heating supplies
5075	Warm air heating and air conditioning
5078	Refrigeration equipment and supplies
5082	Construction and mining machinery
5083	Farm and garden machinery
5084	Industrial machinery and equipment
5085	Industrial supplies
5087	Service establishment equipment
5088	Transportation equipment and supplies
5091	Sporting and recreational goods
5092	Toys and hobby goods and supplies
5093	Scrap and waste materials
5094	Jewelry and precious stones
5099	Durable goods, nec
Wholesale Trade, Nondurable Goods	
5111	Printing and writing paper
5112	Stationery and office supplies
5113	Industrial and personal service paper
5122	Drugs, proprietaries, and sundries
5131	Piece goods and notions
5136	Men's and boys' clothing
5137	Women's and children's clothing
5139	Footwear
5141	Groceries, general line
5142	Packaged frozen foods
5143	Dairy products, except dried or canned
5144	Poultry and poultry products
5145	Confectionery
5146	Fish and seafoods
5147	Meats and meat products
5148	Fresh fruits and vegetables
5149	Groceries and related products, nec
5153	Grain and field beans
5154	Livestock
5159	Farm-product raw materials, nec
5162	Plastics materials and basic shapes
5169	Chemicals and allied products, nec
5171	Petroleum bulk stations and terminals
5172	Petroleum products, nec
5181	Beer and ale
5182	Wines and distilled beverages
5191	Farm supplies
5192	Books, periodicals, and newspapers
5193	Flowers and florists' supplies
5194	Tobacco and tobacco products
5198	Paints, varnishes, and supplies
5199	Nondurable goods, nec

RETAIL TRADE

Building Materials and Garden Supplies	
5211	Lumber and other building materials
5231	Paint, glass, and wallpaper stores
5251	Hardware stores
5261	Retail nurseries and gardens
5271	Mobile home dealers
General Merchandise Stores	
5311	Department stores
5331	Variety stores
5399	Miscellaneous general merchandise stores
Food Stores	
5411	Grocery stores
5421	Meat and fish markets
5431	Fruit and vegetable markets
5441	Candy, nut, and confectionery stores
5451	Dairy products stores
5461	Retail bakers
5499	Miscellaneous food stores
Automotive Dealers and Service Stations	
5511	New and used car dealers
5521	Used car dealers
5531	Auto and home supply stores
5541	Gasoline service stations
5551	Boat dealers
5561	Recreational vehicle dealers
5571	Motorcycle dealers
5599	Automotive dealers, nec
Apparel and Accessory Stores	
5611	Men's and boys' clothing stores
5621	Women's clothing stores
5632	Women's accessory and specialty stores
5641	Children's and infants' wear stores
5651	Family clothing stores
5661	Shoe stores
5699	Miscellaneous apparel and accessory stores
Furniture and Home Furnishings Stores	
5712	Furniture stores
5713	Floor covering stores
5714	Drapery and upholstery stores
5719	Miscellaneous home furnishings stores
5722	Household appliance stores
5731	Radio, TV, and electronic stores
5734	Computer and software stores

SIC Code	Industry
5735	Record and prerecorded tape stores
5736	Musical instruments stores
Eating and Drinking Places	
5812	Eating places
5813	Drinking places
Miscellaneous Retail	
5912	Drugstores and proprietary stores
5921	Liquor stores
5932	Used merchandise stores
5941	Sporting goods and bicycle shops
5942	Book stores
5943	Stationery stores
5944	Jewelry stores
5945	Hobby, toy, and game shops
5946	Camera and photographic supply stores
5947	Gift, novelty, and souvenir shops
5948	Luggage and leather goods stores
5949	Sewing, needlework, and piece goods
5961	Catalog and mail order houses
5962	Merchandising machine operators
5963	Direct selling organizations
5983	Fuel oil dealers
5989	Fuel dealers, nec
5984	Liquefied petroleum gas dealers
5992	Florists
5993	Cigar stores and stands
5994	News dealers and newsstands
5995	Optical goods stores
5999	Miscellaneous retail stores, nec

FINANCE, INSURANCE AND REAL ESTATE

Depository Institutions	
6011	Federal Reserve banks
6019	Central reserve depository, nec
6021	National commercial banks
6022	State commercial banks
6029	Commercial banks, nec
6035	Federal savings institutions
6036	Savings institutions, except federal
6061	Federal credit unions
6062	State credit unions
6081	Foreign banks and branches and agencies
6082	Foreign trade and international banks
6091	Nondeposit trust facilities
6099	Functions related to deposit banking
Nondepository Institutions	
6111	Federal and federally-sponsored credit
6141	Personal credit institutions
6153	Short-term business credit
6159	Miscellaneous business credit institutions
6162	Mortgage bankers and correspondents
6163	Loan brokers
Security and Commodity Brokers	
6211	Security brokers and dealers
6221	Commodity contracts brokers, dealers
6231	Security and commodity exchanges
6282	Investment advice
6289	Security and commodity services, nec
Insurance Carriers	
6311	Life insurance
6321	Accident and health insurance
6324	Hospital and medical service plans
6331	Fire, marine, and casualty insurance
6351	Surety insurance
6361	Title insurance
6371	Pension, health, and welfare funds
6399	Insurance carriers, nec
Insurance Agents, Brokers, and Service	
6411	Insurance agents, brokers, and service
Real Estate	
6512	Nonresidential building operators
6513	Apartment building operators
6514	Dwelling operators, except apartments
6515	Mobile home site operators
6517	Railroad property lessors
6519	Real property lessors, nec
6531	Real estate agents and managers
6541	Title abstract offices
6552	Subdividers and developers, nec
6553	Cemetery subdividers and developers
Holding and Other Investment Offices	
6712	Bank holding companies
6719	Holding companies, nec
6722	Management investment, open-end
6726	Investment offices, nec
6732	Educational, religious, etc. trusts
6733	Trusts, nec
6792	Oil royalty traders
6794	Patent owners and lessors
6798	Real estate investment trusts
6799	Investors, nec

SERVICES

Hotels and Other Lodging Places	
7011	Hotels and motels
7021	Rooming and boarding houses

SIC Code	Industry
7032	Sporting and recreational camps
7033	Trailer parks and campsites
7041	Membership-basis organization hotels
Personal Services	
7211	Power laundries, family and commercial
7212	Garment pressing and cleaners' agents
7213	Linen supply
7215	Coin-operated laundries and cleaning
7216	Dry cleaning plants, except rug
7217	Carpet and upholstery cleaning
7218	Industrial launderers
7219	Laundry and garment services, nec
7221	Photographic studios, portrait
7231	Beauty shops
7241	Barber shops
7251	Shoe repair and shoeshine shops
7261	Funeral service and crematories
7291	Tax return preparation services
7299	Miscellaneous personal services, nec
Business Services	
7311	Advertising agencies
7312	Outdoor advertising services
7313	Radio, TV, publisher representatives
7319	Advertising, nec
7322	Adjustment and collection services
7323	Credit reporting services
7331	Direct mail advertising services
7334	Photocopying and duplicating services
7335	Commercial photography
7336	Commercial art and graphic design
7338	Secretarial and court reporting
7342	Disinfecting and pest control services
7349	Building maintenance services, nec
7352	Medical equipment rental
7353	Heavy construction equipment rental
7359	Equipment rental and leasing, nec
7361	Employment agencies
7363	Help supply services
7371	Computer programming services
7372	Prepackaged software
7373	Computer integrated systems design
7374	Data processing services
7375	Information retrieval services
7376	Computer facilities management
7377	Computer rental and leasing
7378	Computer maintenance and repair
7379	Computer related services, nec
7381	Detective and armored car services
7382	Security systems services
7383	News syndicates
7384	Photofinishing laboratories
7389	Business services, nec

SIC Code	Industry
Automotive Repair, Services, and Parking	
7513	Truck rental and leasing, no drivers
7514	Passenger car rental
7515	Passenger car leasing
7519	Utility trailer rental
7521	Automobile parking
7532	Top and body repair and paint shops
7533	Auto exhaust system repair shops
7534	Tire retreading and repair shops
7536	Automotive glass replacement shops
7537	Automotive transmission repair shops
7538	General automotive repair shops
7539	Automotive repair shops, nec
7542	Car washes
7549	Automotive services, nec
Miscellaneous Repair Services	
7622	Radio and television repair
7623	Refrigeration service and repair
7629	Electrical repair shops, nec
7631	Watch, clock, and jewelry repair
7641	Reupholstery and furniture repair
7692	Welding repair
7694	Armature rewinding shops
7699	Repair services, nec
Motion Pictures	
7812	Motion picture and video production
7819	Services allied to motion pictures
7822	Motion picture and tape distribution
7829	Motion picture distribution services
7832	Motion picture theaters except drive-in
7833	Drive-in motion picture theaters
7841	Video tape rental
Amusement and Recreation Services	
7911	Dance studios, schools, and halls
7922	Theatrical producers and services
7929	Entertainers and entertainment groups
7933	Bowling centers
7941	Sports clubs, managers, and promoters
7948	Racing, including track operation
7991	Physical fitness facilities
7992	Public golf courses
7993	Coin-operated amusement devices
7996	Amusement parks
7997	Membership sports and recreation clubs
7999	Amusement and recreation, nec
Health Services	
8011	Offices and clinics of medical doctors
8021	Offices and clinics of dentists
8031	Offices of osteopathic physicians

SIC Code	Industry
8041	Offices and clinics of chiropractors
8042	Offices and clinics of optometrists
8043	Office and clinics of podiatrists
8049	Offices of health practitioners, nec
8051	Skilled nurse care facilities
8052	Intermediate care facilities
8059	Nursing and personal care, nec
8062	General medical and surgical hospitals
8063	Psychiatric hospitals
8069	Specialty hospitals, except psychiatric
8071	Medical laboratories
8072	Dental laboratories
8082	Home health care services
8092	Kidney dialysis centers
8093	Specialty outpatient clinics, nec
8099	Health and allied services, nec
Legal Services	
8111	Legal services
Educational Services	
8211	Elementary and secondary schools
8221	Colleges and universities
8222	Junior colleges
8231	Libraries
8243	Data processing schools
8244	Business and secretarial schools
8249	Vocational schools, nec
8299	Schools and educational services, nec
Social Services	
8322	Individual and family services
8331	Job training and related services
8351	Child day care services
8361	Residential care
8399	Social services, nec
Museums, Botanical, Zoological Gardens	
8412	Museums and art galleries
8422	Botanical and zoological gardens
Membership Organizations	
8611	Business associations
8621	Professional organizations
8631	Labor organizations
8641	Civic and social associations
8651	Political organizations
8661	Religious organizations
8699	Membership organizations, nec
Engineering and Management Services	
8711	Engineering services
8712	Architectural services
8713	Surveying services
8721	Accounting, auditing, and bookkeeping
8731	Commercial physical research
8732	Commercial nonphysical research
8733	Noncommercial research organizations
8734	Testing laboratories
8741	Management services
8742	Management consulting services
8743	Public relations services
8744	Facilities support services
8748	Business consulting, nec
Private Households	
8811	Private households
Services, nec	
8999	Services, nec

PUBLIC ADMINISTRATION

Executive, Legislative, and General	
9111	Executive offices
9121	Legislative bodies
9131	Executive and legislative combined
9199	General government, nec
Justice, Public Order, and Safety	
9211	Courts
9221	Police protection
9222	Legal counsel and prosecution
9223	Correctional institutions
9224	Fire protection
9229	Public order and safety, nec
Finance, Taxation, and Monetary Policy	
9311	Finance, taxation, and monetary policy
Administration of Human Resources	
9411	Administration of educational programs
9431	Administration of public health programs
9441	Administration of social and manpower programs
9451	Administration of veterans' affairs
Environmental Quality and Housing	
9511	Air, water, and solid waste management
9512	Land, mineral, wildlife conservation
9531	Housing programs
9532	Urban and community development
Administration of Economic Programs	
9611	Admin. of general economic programs
9621	Regulation, admin. of transportation
9631	Regulation, administration of utilities

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SIC Code	Industry
9641	Regulation of agricultural marketing
9651	Regulation of misc. commercial sectors
9661	Space research and technology
National Security and International Affairs	
9711	National security
9721	International affairs
Nonclassifiable Establishments	
9999	Nonclassifiable establishment

Hazardous Waste Codes

Code	Waste Description

CHARACTERISTIC HAZARDOUS WASTE

D001	Ignitable waste
D002	Corrosive waste
D003	Reactive waste
D004	Arsenic
D005	Barium
D006	Cadmium
D007	Chromium
D008	Lead
D009	Mercury
D010	Selenium
D011	Silver
D012	Endrin(1,2,3,4,10,10-hexachloro-1,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo,endo-5,8-dimeth-ano-naphthalene)
D013	Lindane (1,2,3,4,5,6-hexa-chlorocyclo-hexane, gamma isomer)
D014	Methoxychlor (1,1,1-trichloro-2,2-bis [p-methoxyphenyl] ethane)
D015	Toxaphene
D016	2,4-D (2,4-Dichlorophenoxyacetic acid)
D017	2,4,5-TP Silvex (2,4,5-Trichlorophenoxy-propionic acid)
D018	Benzene
D019	Carbon tetrachloride
D020	Chlordane
D021	Chlorobenzene
D022	Chloroform
D023	o-Cresol
D024	m-Cresol
D025	p-Cresol
D026	Cresol
D027	1,4-Dichlorobenzene
D028	1,2-Dichloroethane
D029	1,1-Dichloroethylene
D030	2,4-Dinitrotoluene
D031	Heptachlor (and its epoxide)
D032	Hexachlorobenzene
D033	Hexachlorobutadiene
D034	Hexachloroethane
D035	Methyl ethyl ketone
D036	Nitrobenzene
D037	Pentachlorophenol
D038	Pyridine
D039	Tetrachloroethylene
D040	Trichlorethylene
D041	2,4,5-Trichlorophenol
D042	2,4,6-Trichlorophenol
D043	Vinyl chloride

Code	Waste Description

HAZARDOUS WASTE FROM NONSPECIFIC SOURCES

F001	The following spent halogenated solvents used in degreasing: Tetrachloroethylene, trichlorethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride and chlorinated fluorocarbons; all spent solvent mixtures/blends used in degreasing containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F002	The following spent halogenated solvents: Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane, and 1,1,2, trichloro-ethane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above halogenated solvents or those solvents listed in F001, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F003	The following spent non-halogenated solvents: Xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; all spent solvent mixtures/ blends containing, before use, only the above spent non-halogenated solvents; and all spent solvent mixtures/blends containing, before use, one or more of the above non-halogenated solvents, and a total of ten percent or more (by volume) of one or more of those solvents listed in F001, F002, F004, and F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F004	The following spent non-halogenated solvents: cresols, cresylic acid, and nitrobenzene; and the still bottoms from the recovery of these solvents; all spent solvent mixtures/ blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, and

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Code	Waste Description
	F005; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F005	The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine, benzene, 2-ethoxyethanol, and 2-nitropropane; all spent solvent mixtures/blends containing, before use, a total of ten percent or more (by volume) of one or more of the above non-halogenated solvents or those solvents listed in F001, F002, or F004; and still bottoms from the recovery of these spent solvents and spent solvent mixtures.
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc, and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.
F007	Spent cyanide plating bath solutions from electroplating operations.
F008	Plating bath residues from the bottom of plating baths from electroplating operations where cyanides are used in the process.
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process.
F010	Quenching bath residues from oil baths from metal heat treating operations where cyanides are used in the process.
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations.
F012	Quenching waste water treatment sludges from metal heat treating operations where cyanides are used in the process.
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum except from zirconium phosphating in aluminum can washing when such phosphating is an exclusive conversion coating process.
F020	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- or tetrachlorophenol or of intermediates used to produce their pesticide derivatives. (This listing does not include wastes from the production of Hexachlorophene from highly purified 2,4,5-trichlorophenol).
F021	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of pentachlorophenol, or of intermediates used to produce derivatives.
F022	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tetra-, penta-, or hexachlorobenzenes under alkaline conditions.
F023	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the production or manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of tri- and tetrachlorophenols. (This listing does not include wastes from equipment used only for the production or use of hexachlorophene from highly purified 2,4,5-trichlorophenol.)
F024	Process wastes, including but not limited to, distillation residues, heavy ends, tars, and reactor clean-out wastes, from the production of certain chlorinated aliphatic hydrocarbons by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution. (This listing does not include wastewaters, wastewater treatment sludges, spent catalysts, and wastes listed in Sections 261.31. or 261.32)
F025	Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.
F026	Wastes (except wastewater and spent carbon from hydrogen chloride purification) from the production of materials on equipment previously used for the manufacturing use (as a reactant, chemical intermediate, or component in a formulating process) of

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Code	Waste Description
	tetra-, penta-, or hexachlorobenzene under alkaline conditions.
F027	Discarded unused formulations containing tri-, tetra-, or pentachlorophenol or discarded unused formulations containing compounds derived from these chlorophenols. (This listing does not include formulations containing Hexachlorophene synthesized from prepurified 2,4,5-trichlorophenol as the sole component.)
F028	Residues resulting from the incineration or thermal treatment of soil contaminated with EPA hazardous waste nos. F020, F021, F022, F023, F026, and F027.
F032	Wastewater (except those that have not come into contact with process contaminates), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that currently use or have previously used chlorophenolic formulations [except potentially cross-contaminated wastes that have had the F032 waste code deleted in accordance with Section 261.35 of this chapter or potentially cross-contaminated wastes that are otherwise currently regulated as hazardous wastes (i.e., F034 or F035), the newly promulgated equipment cleaning or replacements standards), and where the generator does not resume or initiate use of chlorophenolic formulations]. (This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or penthachlorophenol.)
F034	Wastewaters (except those that have not come into contact with process contaminates), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use creosote formulations. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F035	Wastewaters (except those that have not come into contact with process contaminates), process residuals, preservative drippage, and spent formulations from wood preserving processes generated at plants that use inorganic preservatives containing arsenic or chromium. This listing does not include K001 bottom sediment sludge from the treatment of wastewater from wood preserving processes that use creosote and/or pentachlorophenol.
F037	Petroleum refinery primary oil/water/solids separation sludge — Any sludge generated from the gravitational separation of oil/water/solids during the storage or treatment of process wastewaters and oily cooling wastewaters from petroleum refineries. Such sludges include, but are not limited to, those generated in oil/water/solids separators; tanks and impoundments; ditches and other conveyances; sumps; and stormwater units receiving dry weather flow, sludges generated in stormwater units that do not receive dry weather flow, sludges generated in aggressive biological treatment units as defined in Section 261.31(b)(2)(including sludges generated in one or more additional units after wastewaters have been treated in aggressive biological treatment units) and K051 wastes are exempted from this listing.
F038	Petroleum refinery secondary (emulsified) oil/water/solids separation sludge – Any sludge and/or float generated from the physical and/or chemical separation of oil/water/solids in process wastewaters and oily cooling wastewaters from petroleum refineries. Such wastes include, but are not limited to, all sludges and floats generated in: induced air flotation (IAF) units, tanks and impoundments, and all sludges generated in DAF units. Sludges generated in storm water units that do not receive dry weather flow, sludges generated from non-contact once-through cooling waters segregated for treatment from other process or oil cooling waters, sludges and floats generated in aggressive biological treatment units as defined in Section 261.31 (b) (2) (including sludges and floats generated in on e or more additional units after wastewaters have been treated in aggressive biological treatment units) and F037, K048, and K051 wastes are not included in this listing.
F039	Leachate (liquids that have percolated through land disposed wastes) resulting from the disposal of more than one restricted waste classified as hazardous under subpart D of this Part. (Leachate resulting from the disposal of one or more of the following EOA Hazardous Wastes and no other Hazardous Wastes retains its EPA Hazardous Waste Number(s): F020, F021, F022, F026, F027 and/or F028).

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HAZARDOUS WASTE FROM SPECIFIC SOURCES

Code	Waste Description
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol.
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments.
K003	Wastewater treatment sludge from the production of molybdate orange pigments.
K004	Wastewater treatment sludge from the production of zinc yellow pigments.
K005	Wastewater treatment sludge from the production of chrome green pigments.
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated).
K007	Wastewater treatment sludge from the production of iron blue pigments.
K008	Oven residue from the production of chrome oxide green pigments.
K009	Distillation bottoms from the production of acetaldehyde from ethylene.
K010	Distillation side cuts from the production of acetaldehyde from ethylene.
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile.
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile.
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile.
K015	Still bottoms from the distillation of benzyl chloride.
K016	Heavy ends or distillation residues from the production of carbon tetrachloride.
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin.
K018	Heavy ends from the fractionation column in ethyl chloride production.
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production.
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production.
K021	Aqueous spent antimony catalyst waste from fluoromethanes production.
K022	Distillation bottom tars from the production of phenol/acetone from cumene.
K023	Distillation light ends from the production of phthalic anhydride from naphthalene.
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene.
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene.
K026	Stripping still tails from the production of methyl ethyl pyridines.
K027	Centrifuge and distillation residues from toluene diisocyanate production.
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane.
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane.
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene.
K031	Byproduct salts generated in the production of MSMA and cacodylic acid.
K032	Wastewater treatment sludge from the production of chlordane.
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane.
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane.
K035	Wastewater treatment sludges generated in the production of creosote.
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton.
K037	Wastewater treatment sludges from the production of disulfoton.
K038	Wastewater from the washing and stripping of phorate production.
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate.
K040	Wastewater treatment sludge from the production of phorate.
K041	Wastewater treatment sludge from the production of toxaphene.
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T.
K043	2,6-Dichlorophenol waste from the production of 2,4-D.
K044	Wastewater treatment sludges from the manufacturing and processing of explosives.

Code	Waste Description
K045	Spent carbon from the treatment of wastewater containing explosives.
K046	Wastewater treatment sludges from the manufacturing, formulation, and loading of lead-based initiating compounds.
K047	Pink/red water from TNT operations.
K048	Dissolved air flotation (DAF) float from the petroleum refining industry.
K049	Slop oil emulsion solids from the petroleum refining industry.
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.
K051	API separator sludge from the petroleum refining industry.
K052	Tank bottoms (leaded) from the petroleum refining industry.
K060	Ammonia still lime sludge from coking operations.
K061	Emission control dust/sludge from the primary production of steel in electric furnaces.
K062	Spent pickle liquor generated by steel finishing operations of facilities within the iron or steel industry. (SIC Codes 331 and 332).
K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production.
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities.
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production.
K069	Emission control dust/sludge from secondary lead smelting.
K071	Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used.
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production.
K083	Distillation bottoms from aniline production.
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes.
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead.
K087	Decanter tank tar sludge from coking operations.
K088	Spent potliners from primary aluminum reduction.
K090	Emission control dust or sludge from ferrochromiumsilicon production.
K091	Emission control dust or sludge from ferrochromium production.
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene.
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene.
K095	Distillation bottoms from the production of 1,1,1-trichloroethane.
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloro-ethane.
K097	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane.
K098	Untreated process wastewater from the production of toxaphene.
K099	Untreated wastewater from the production of 2,4-D.
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting.
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds.
K103	Process residues from aniline extraction from the production of aniline.
K104	Combined wastewater streams generated from nitrobenzene/aniline production.
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes.
K106	Wastewater treatment sludge from the mercury cell process in chlorine production.
K107	Column bottoms from product separation from the production of 1,1-dimethyl-hydrazine (UDMH) from carboxylic acid hydrazides.
K108	Condensed column overheads from product

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Code	Waste Description
	separation and condensed reactor vent gases from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
K109	Spent filter cartridges from product purification from the product of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
K110	Condensed column overheads from intermediate separation from the production of 1,1-dimethylhydrazine (UDMH) from carboxylic acid hydrazides.
K111	Product washwaters from the production of dinitrotoluene via nitration of toluene.
K112	Reaction by-product water from the drying column in the production of toluenediamine via hydrogenation of dinitrotoluene.
K113	Condensed liquid light ends from purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
K114	Vicinals from the purification of toluenediamine in production of toluenediamine via hydrogenation of dinitrotoluene.
K115	Heavy ends from purification of toluenediamine in the production of toluenediamine via hydrogenation of dinitrotoluene.
K116	Organic condensate from the solvent recovery column in the production of toluene diisocyanate via phosgenation of toluenediamine.
K117	Wastewater from the reactor vent gas scrubber in the production of ethylene dibromide via bromination of ethene.
K118	Spent adsorbent solids from purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K123	Process wastewater (including supernates, filtrates, and washwaters) from the production of ethylenebisdithiocarbamic acid and its salts.
K124	Reactor vent scrubber water from the production of ethylenebisdithiocarbamic acid and its salts.
K125	Filtration, evaporation, and centrifugation solids from the production of ethylenebisdithiocarbamic acid and its salts.
K126	Baghouse dust and floor sweepings in milling and packaging operations from the production or formulation of ethylenebisdithiocarbamic acid and its salts.
K131	Wastewater from the reactor and spent sulfuric acid from the acid dryer from the production of methyl bromide.
K132	Spent absorbent and wastewater separator solids from the production of methyl bromide.
K136	Still bottoms from the purification of ethylene dibromide in the production of ethylene dibromide via bromination of ethene.
K140	Floor sweepings, off-specification product and spent filter media from the production of 2, 4,6-tribromophenol.
K141	Process residues from the recovery of coal tar, including, but not limited to, collecting sump residues from the production of coke from coal or the recovery of coke by-products produced from coal. This listing does not include K087 (decanter tank tar sludges from coking operations.)
K142	Tar storage tank residues from the production of coke from coal or from the reocovery of coke by-products produced from coal.
K143	Process residues from the recovery of light oil, including, but not limited to, those generated in stills, decanters, and wash oil recovery units from the recovery of coke by-products produced from coal.
K144	Wastewater sump residues from the recovery of light oil refining, including, but not limited to, intercepting or contamination sump sludges from the recovery of coke by-products produced from coal.
K145	Residues from naphthalene collection and recovery operations from the recovery of coke by-products produced from coal.
K147	Tar storage tank residues from coal tar refining.
K148	Residues from coal tar distillation, including, but not limited to, still bottoms.
K149	Distillation bottoms from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups (This waste does not include still bottoms from the distillation of benzyl chloride.)
K150	Organic residuals, excluding spent carbon adsorbent, from the spent chlorine gas and hydrochloric acid recovery processes associated with the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and

Code	Waste Description
	compounds with mixtures of these functional groups.
K151	Wastewater treatment sludges, excluding neutralization and biological sludges, generated during the treatment of wastewaters from the production of alpha- (or methyl-) chlorinated toluenes, ring-chlorinated toluenes, benzoyl chlorides, and compounds with mixtures of these functional groups.
K156	Organic waste (including heavy ends, still bottoms, light ends, spent solvents, filtrates, and decantates) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacturing of 3-iodo-2-propynyl-n-butylcarbamate.) (IPBC).
K157	Wastewaters (including scrubber waters, condenser waters, washwaters, and separation waters) from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl-n-butylcarbamate.) (IPBC).
K158	Bag house dust and filter/separation solids from the production of carbamates and carbamoyl oximes. (This listing does not apply to wastes generated from the manufacture of 3-iodo-2-propynyl-n-butylcarbamate.) (IPBC).
K159	Organics from the treatment of thiocarbamate wastes.
K161	Purification solids (including filtration, evaporation, and centrifugation solids), bag house dust and floor sweepings from the production of dithiocarbamate acids and their salts. (This listing does not include K125 or K126.)
K169	Crude oil storage tank sediment from petroleum refining operations.
K170	Clarified slurry oil tank sediment and/or in-line filter/separation solids from petroleum refining operations.
K171	Spent Hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media.)
K172	Spent Hydrorefining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (This listing does not include inert support media.)

DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUALS, AND SPILL RESIDUES THEREOF — ACUTE HAZARDOUS WASTE

(An alphabetized listing can be found at 40 CFR 261.33.)

Code	Waste Description
P001	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations greater than 0.3%
P001	Warfarin, & salts, when present at concentrations greater than 0.3%
P002	1-Acetyl-2-thiourea
P002	Acetamide, N-(aminothioxomethyl)-
P003	2-Propenal
P003	Acrolein
P004	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexa-chloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5alpha, 8alpha, 8abeta)-
P004	Aldrin
P005	2-Propen-1-ol
P005	Allyl alcohol
P006	Aluminum phosphide
P007	3(2H)-Isoxazolone, 5-(aminomethyl)-
P007	5-(Aminomethyl)-3-isoxazolol
P008	4-Aminopyridine
P008	4-Pyridinamine
P009	Ammonium picrate
P009	Phenol, 2,4,6-trinitro-, ammonium salt (R)
P010	Arsenic acid H_3AsO_4
P011	Arsenic oxide As_2O_5
P011	Arsenic pentoxide
P012	Arsenic oxide As_2O_3
P012	Arsenic trioxide
P013	Barium cyanide
P014	Benzenethiol
P014	Thiophenol
P015	Beryllium Powder
P016	Dichloromethyl ether
P016	Methane, oxybis[chloro-
P017	2-Propanone, 1-bromo-
P017	Bromoacetone
P018	Brucine
P018	Strychnidin-10-one, 2,3-dimethoxy-
P020	Dinoseb
P020	Phenol, 2-(1-methylpropyl)-4, 6-dinitro-
P021	Calcium cyanide
P021	Calcium cyanide $Ca(CN)_2$
P022	Carbon disulfide
P023	Acetaldehyde, chloro-
P023	Chloroacetaldehyde
P024	Benzenamine, 4-chloro-

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Code	Waste Description
P024	p-Chloraniline
P026	1-(o-Chlorophenyl)thiourea
P026	Thiourea, (2-chlorophenyl)-
P027	3-Chloropropionitrile
P027	Propanenitrile, 3-chloro-
P028	Benzene, (chloromethyl)-
P028	Benzyl chloride
P029	Copper cyanide
P029	Copper cyanide Cu(CN)
P030	Cyanides (soluble cyanide salts), not otherwise specified
P031	Cyanogen
P031	Ethanedinitrile
P033	Cyanogen chloride
P033	Cyanogen chloride (CN)Cl
P034	2-Cyclohexyl-4,6-dinitrophenol
P034	Phenol, 2-cyclohexyl-4,6-dinitro-
P036	Arsonous dichloride, phenyl-
P036	Dichlorophenylarsine
P037	2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-,(1aalpha,2beta,2aalpha,3beta, 6beta, 6aalpha, 7beta, 7aalpha)-
P037	Dieldrin
P038	Arsine, diethyl-
P038	Diethylarsine
P039	Disulfoton
P039	Phosphorodithioic acid, O,O-diethyl S-[2-(ethylthio)ethyl] ester
P040	O,O-Diethyl O-pyrazinyl phosphorothioate
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P041	Diethyl-p-nitrophenyl phosphate
P041	Phosphoric acid, diethyl 4-nitrophenyl ester
P042	1,2-Benzenediol, 4-[1-hydroxy-2-(methylamino)ethyl]-, (R)
P042	Epinephrine
P043	Diisopropylfluorophosphate (DFP)
P043	Phosphorofluoridic acid, bis(1-methyl-ethyl) ester
P044	Dimethoate
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)- 2-oxoethyl] ester
P045	2-Butanone, 3,3-dimethyl-1-(methylthio)- ,O-[methylamino) carbonyl] oxime
P045	Thiofanox
P046	alpha,alpha-Dimethylphenethylamine
P046	Benzeneethanamine, alpha, alpha-dimethyl-
P047	4,6-Dinitro-o-cresol, & salts
P047	Phenol, 2-methyl-4,6-dinitro-, & salts
P048	2,4-Dinitrophenol
P048	Phenol, 2,4-dinitro-
P049	Dithiobiuret
P049	Thioimidodicarbonic diamide $[(H_2N)C(S)]_2NH$
P050	6,9-Methano-2,4,3-benzodioxathiepin,6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-,3-oxide
P050	Endosulfan
P051	2,7:3,6-Dimethanonaphth [2,3-b]oxirene, 3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-, (1aalpha, 2beta, 2abeta, 3alpha, 6alpha, 6abeta, 7beta, 7aalpha)- & metabolites
P051	Endrin
P051	Endrin, & metabolites
P054	Aziridine
P054	Ethyleneimine
P056	Fluorine
P057	Acetamide, 2-fluoro-
P057	Fluoroacetamide
P058	Acetic acid, fluoro-, sodium salt
P058	Fluoroacetic acid, sodium salt
P059	4,7-Methano-1H-indene,1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P059	Heptachlor
P060	1,4,5,8-Dimethanonaphthalene, 1,2,3,4,10, 10-hexachloro-1,4,4a,5,8,8a,-hexahydro-, (1alpha, 4alpha, 4abeta, 5beta, 8beta, 8abeta)-
P060	Isodrin
P062	Hexaethyl tetraphosphate
P062	Tetraphosphoric acid, hexaethyl ester
P063	Hydrocyanic acid
P063	Hydrogen cyanide
P064	Methane, isocyanato-
P064	Methyl isocyanate
P065	Fulminic acid, mercury(2+) salt (R,T)
P065	Mercury fulminate (R,T)
P066	Ethanimidothioic acid, N-[[(methylamino) carbonyl]oxy]-, methyl ester
P066	Methomyl
P067	1,2-Propylenimine
P067	Aziridine, 2-methyl-
P068	Hydrazine, methyl-
P068	Methyl hydrazine
P069	2-Methyllactonitrile
P069	Propanenitrile, 2-hydroxy-2-methyl-
P070	Aldicarb
P070	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
P071	Methyl parathion
P071	Phosphorothioic acid, O,O,-dimethyl O-(4-nitrophenyl) ester
P072	alpha-Naphthylthiourea
P072	Thiourea, 1-naphthalenyl-
P073	Nickel carbonyl
P073	Nickel carbonyl $Ni(CO)_4$, (T-4)
P074	Nickel cyanide
P074	Nickel cyanide $Ni(CN)_2$
P075	Nicotine, & salts

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Code	Waste Description
P075	Pyridine, 3-(1-methyl-2-pyrrolidinyl)-,(S)-, & salts
P076	Nitric oxide
P076	Nitrogen oxide NO
P077	Benzenamine, 4-nitro-
P077	p-Nitroaniline
P078	Nitrogen dioxide
P078	Nitrogen oxide NO_2
P081	1,2,3-Propanetriol, trinitrate (R)
P081	Nitroglycerine (R)
P082	Methanamine, N-methyl-N-nitroso-
P082	N-Nitrosodimethylamine
P084	N-Nitrosomethylvinylamine
P084	Vinylamine, N-methyl-N-nitroso-
P085	Diphosphoramide, octamethyl-
P085	Octamethylpyrophosphoramide
P087	Osmium oxide OsO_4, (T-4)-
P087	Osmium tetroxide
P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
P088	Endothall
P089	Parathion
P089	Phosphorothioic acid, O,O-diethylO-(4-nitrophenyl) ester
P092	Mercury, (acetato-O)phenyl-
P092	Phenylmercury acetate
P093	Phenylthiourea
P093	Thiourea, phenyl-
P094	Phorate
P094	Phosphorodithioic acid, O,O-diethyl S[(ethylthio)methyl] ester
P095	Carbonic dichloride
P095	Phosgene
P096	Hydrogen phosphide
P096	Phosphine
P097	Famphur
P097	Phosphorothioic acid O-[4-[(dimethyl amino)sulfonyl]phenyl] O,O-dimethyl ester
P098	Potassium cyanide
P098	Potassium cyanide K(CN)
P099	Argentate (1-), bis(cyano-C)-, potassium
P099	Potassium silver cyanide
P101	Ethyl cyanide
P101	Propanenitrile
P102	2-Propyn-1-ol
P102	Propargyl alcohol
P103	Selenourea
P104	Silver cyanide
P104	Silver cyanide Ag(CN)
P105	Sodium azide
P106	Sodium cyanide
P106	Sodium cyanide Na(CN)
P108	Strychnidin-10-one, & salts
P108	Strychnine, & salts
P109	Tetraethyldithiopyrophosphate
P109	Thiodiphosphoric acid, tetraethyl ester
P110	Plumbane, tetraethyl-
P110	Tetraethyl lead
P111	Diphosphoric acid, tetraethyl ester
P111	Tetraethyl pyrophosphate
P112	Methane, tetranitro- (R)
P112	Tetranitromethane (R)
P113	Thallic oxide
P113	Thallium oxide Tl_2O_3
P114	Selenious acid, dithallium (1+) salt
P114	Thallium(I) selenite
P115	Sulfuric acid, dithallium (1+) salt
P115	Thallium(I) sulfate
P116	Hydrazinecarbothioamide
P116	Thiosemicarbazide
P118	Methanethiol, trichloro-
P118	Trichloromethanethiol
P119	Ammonium vanadate
P119	Vanadic acid, ammonium salt
P120	Vanadium oxide V_2O_5
P120	Vanadium pentoxide
P121	Zinc cyanide
P121	Zinc cyanide $Zn(CN)_2$
P122	Zinc phosphide Zn_3P_2, when present at concentrations greater than 10%
P123	Toxaphene
P127	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl-methylcarbamate
P127	Carbofuran.
P128	Phenol, 4-(dimethylamino)-3,5-dimethyl-, methylcarbamate (ester)
P128	Mexacarbate.
P185	1,3-Dithiolane-2-carboxaldehyde,2,4-dimethyl-, O-[(methylamino)-carbonyl]oxime
P185	Tirpate.
P188	Benzoic acid, 2-hydroxy-,compd. With (3aS-cis)-1,2,3,3a,8,8a-hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-yl methylcarbamate ester (1:1)
P188	Physostigmine salicylate.
P189	Carbamic acid, [(dibutylamino)-thio]methyl-,2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester
P189	Carbosulfan.
P190	Carbamic acid, methyl-, 3-methylphenyl ester
P190	Metolcarb.
P191	Carbamic acid, dimethyl-, 1-[(dimethyl-amino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester
P191	Dimetilan.
P192	Carbamic acid, dimethyl-, 3-methyl-1-(1-methylethyl)-1H-pyrazol-5-yl ester
P192	Isolan.
P194	Ethanimidothioic acid,2-(dimethylamino)- N-[[(methylamino)carbonyl]oxy]2-oxo-,methyl ester.
P194	Oxamyl.

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Code	Waste Description
P196	Manganese dimethyldithiocarbamate.
P196	Manganese, bis(dimethylcarbamodithioato-S,S')-
P197	Methanimidamide, N,N-dimethy-N'-[2-methyl-4-[[(methyl-amino)carbonyl]oxy]phenyl]-
P197	Formparanate.
P198	Methanimidamide, N,N-dimethyl-N'-[3-[[(methylamino)-carbonyl]oxy]phenyl]-, monohydrochloride
P198	Formetanate hydrochloride.
P199	Phenol, (3,5-dimethyl-4(methyl-thio)-, methylcarbamate
P199	Methiocarb.
P201	Phenol, 3-methyl-5-(1-methylethyl)-,methyl carbamate
P201	Promecarb
P202	3-Isopropylphenyl N-methylcarbamate
P202	Phenol, 3-(1-methylethyl)-, methyl carbamate
P202	m-Cumenyl methylcarbamate.
P203	Propanal, 2-methyl-2-(methyl-sulfonyl)-,O-[(methylamino)carbonyl] oxime.
P203	Aldicarb sulfone.
P204	Pyrrolo[2,3-b]indol-5-ol, 1,2,3,3a,8,8a-hexahydro-1,3a,-8-trimethyl-, methylcarbamate (ester), (3aS-cis)-.
P204	Physostigmine.
P205	Zinc, bis (dimethylcarbamo-dithioato-S,S')-,
P205	Ziram.

DISCARDED COMMERICAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINER RESIDUES, AND SPILL RESIDUES THEREOF — TOXIC WASTES

(An alphabetized listing can be found at 40 CFR 261.33.)

Code	Waste Description
U001	Acetaldehyde (I)
U001	Ethanal (I)
U002	2-Propanone (I)
U002	Acetone (I)
U003	Acetonitrile (I,T)
U004	Acetophenone
U004	Ethanone, 1-phenyl-
U005	2-Acetylaminofluorene
U005	Acetamide, N-9H-fluoren-2-yl
U006	Acetyl chloride (C,R,T)
U007	2-Propenamide
U007	Acrylamide
U008	2-Propenoic acid (I)
U008	Acrylic acid (I)
U009	2-Propenenitrile
U009	Acrylonitrile
U010	Azirino [2',3':3,4]pyrrolo[1,2-a]indole-4,7-dione,6-amino-8-[[(aminocarbonyl)oxy]methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-, [1aS-(1aalpha, 8beta, 8alpha, 8balpha)]-
U010	Mitomycin C
U011	1H-1,2,4-Triazol-3-amine
U011	Amitrole
U012	Aniline (I,T)
U012	Benzenamine (I,T)
U014	Auramine
U014	Benzenamine, 4,4'-carbonimidoyl bis [N,N-dimethyl-
U015	Azaserine
U015	L-Serine, diazoacetate (ester)
U016	Benz[c]acridine
U017	Benzal chloride
U017	Benzene, (dichloromethyl)-
U018	Benz[a]anthracene
U019	Benzene
U020	Benzenesulfonic acid chloride
U020	Benzenesulfonyl chloride
U021	[1,1'-Biphenyl]-4,4'-diamine
U021	Benzidine
U022	Benzo[a]pyrene
U023	Benzene, (trichloromethyl)-
U023	Benzotrichloride (C,R,T)
U024	Dichloromethoxy ethane
U024	Ethane, 1,1'-[methylenebis(oxy)] bis [2-chloro-
U025	Dichloroethyl ether
U025	Ethane, 1,1'-oxybis[2-chloro-
U026	Chlornaphazin
U026	Naphthalenamine,N,N'-bis (2-chloroethyl)-
U027	Dichloroisopropyl ether
U027	Propane, 2,2'-oxybis[2-chloro-
U028	1,2-Benzenedicarboxylic acid, bis (2-ethylhexyl) ester
U028	Diethylhexyl phthalate
U029	Methane, bromo-
U029	Methyl bromide
U030	4-Bromophenyl phenyl ether
U030	Benzene, 1-bromo-4-phenoxy-
U031	1-Butanol (I)
U031	n-Butyl alcohol (I)
U032	Calcium chromate
U032	Chromic acid H_2CrO_4, calcium salt
U033	Carbon oxyfluoride (R,T)
U033	Carbonic difluoride
U034	Acetaldehyde, trichloro-
U034	Chloral
U035	Benzenebutanoic acid, 4-[bis (2-chloroethyl)amino]-
U035	Chlorambucil
U036	4,7-Methano-1H-indene, 1,2,4,5,6,7,8,8-

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Code	Waste Description
	octachloro-2,3,3a,4,7,7a-hexahydro-
U036	Chlordane, alpha & gamma isomers
U037	Benzene, chloro-
U037	Chlorobenzene
U038	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy-, ethyl ester
U038	Chlorobenzilate
U039	p-Chloro-m-cresol
U039	Phenol, 4-chloro-3-methyl-
U041	Epichlorohydrin
U041	Oxirane, (chloromethyl)-
U042	2-Chloroethyl vinyl ether
U042	Ethene, (2-chloroethoxy)-
U043	Ethene, chloro-
U043	Vinyl chloride
U044	Chloroform
U044	Methane, trichloro-
U045	Methane, chloro- (I,T)
U045	Methyl chloride (I,T)
U046	Chloromethyl methyl ether
U046	Methane, chloromethoxy-
U047	beta-Chloronaphthalene
U047	Naphthalene, 2-chloro-
U048	o-Chlorophenol
U048	Phenol, 2-chloro-
U049	4-Chloro-o-toluidine, hydrochloride
U049	Benzenamine, 4-chloro-2-methyl-, hydrochloride
U050	Chrysene
U051	Creosote
U052	Cresol (Cresylic acid)
U052	Phenol, methyl-
U053	2-Butenal
U053	Crotonaldehyde
U055	Benzene, (1-methylethyl)- (I)
U055	Cumene (I)
U056	Benzene, hexahydro- (I)
U056	Cyclohexane (I)
U057	Cyclohexanone (I)
U058	2H-1,3,2-Oxazaphosphorin-2-amine, N,N-bis(2-chloroethyl)tetrahydro-, 2-oxide
U058	Cyclophosphamide
U059	5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy)-alpha-L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-
U059	Daunomycin
U060	Benzene, 1,1'-(2,2-dichloroethylidene) bis[4-chloro-
U060	DDD
U061	Benzene, 1,1'-(2,2,2-trichloroethylidene) bis[4-chloro-
U061	DDT
U062	Carbamothioic acid, bis(1-methylethyl)-, S-(2,3-dichloro-2-propenyl) ester
U062	Diallate
U063	Dibenz[a,h]anthracene
U064	Benzo[rst]pentaphene
U064	Dibenzo[a,i]pyrene
U066	1,2-Dibromo-3-chloropropane
U066	Propane, 1,2-dibromo-3-chloro-
U067	Ethane, 1,2-dibromo-
U067	Ethylene dibromide
U068	Methane, dibromo-
U068	Methylene bromide
U069	1,2-Benzenedicarboxylic acid, dibutyl ester
U069	Dibutyl phthalate
U070	Benzene, 1,2-dichloro-
U070	o-Dichlorobenzene
U071	Benzene, 1,3-dichloro-
U071	m-Dichlorobenzene
U072	Benzene, 1,4-dichloro-
U072	p-Dichlorobenzene
U073	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dichloro-
U073	3,3'-Dichlorobenzidine
U074	1,4-Dichloro-2-butene (I,T)
U074	2-Butene, 1,4-dichloro- (I,T)
U075	Dichlorodifluoromethane
U075	Methane, dichlorodifluoro-
U076	Ethane, 1,1-dichloro-
U076	Ethylidene dichloride
U077	Ethane, 1,2-dichloro-
U077	Ethylene dichloride
U078	1,1-Dichloroethylene
U078	Ethene, 1,1-dichloro-
U079	1,2-Dichloroethylene
U079	Ethene, 1,2-dichloro-,(E)-
U080	Methane, dichloro-
U080	Methylene chloride
U081	2,4-Dichlorophenol
U081	Phenol, 2,4-dichloro-
U082	2,6-Dichlorophenol
U082	Phenol, 2,6-dichloro-
U083	Propane, 1,2-dichloro-
U083	Propylene dichloride
U084	1,3-Dichloropropene
U084	1-Propene, 1,3-dichloro-
U085	1,2:3,4-Diepoxybutane (I,T)
U085	2,2'-Bioxirane
U086	Hydrazine, 1,2-diethyl-
U086	N,N'-Diethylhydrazine
U087	O,O-Diethyl S-methyl dithiophosphate
U087	Phosphorodithioic acid, O,O-diethyl S-methyl ester
U088	1,2-Benzenedicarboxylic acid, diethyl ester
U088	Diethyl phthalate
U089	Diethylstilbesterol
U089	Phenol, 4,4'-(1,2-diethyl-1,2-ethenediyl)bis-, (E)-
U090	1,3-Benzodioxole, 5-propyl-

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Code	Waste Description
U090	Dihydrosafrole
U091	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethoxy-
U091	3,3'-Dimethoxybenzidine
U092	Dimethylamine (I)
U092	Methanamine, N-methyl- (I)
U093	Benzenamine, N,N-dimethyl-4- (phenylazo)-
U093	p-Dimethylaminoazobenzene
U094	7,12-Dimethylbenz[a]anthracene
U094	Benz[a]anthracene, 7,12-dimethyl-
U095	[1,1'-Biphenyl]-4,4'-diamine, 3,3'-dimethyl-
U095	3,3'-Dimethylbenzidine
U096	alpha,alpha-Dimethylbenzylhydroperoxide (R)
U096	Hydroperoxide,1-methyl-1-phenylethyl- (R)
U097	Carbamic chloride, dimethyl-
U097	Dimethylcarbamoyl chloride
U098	1,1-Dimethylhydrazine
U098	Hydrazine, 1,1-dimethyl-
U099	1,2-Dimethylhydrazine
U099	Hydrazine, 1,2-dimethyl-
U101	2,4-Dimethylphenol
U101	Phenol, 2,4-dimethyl-
U102	1,2-Benzenedicarboxylic acid, dimethyl ester
U102	Dimethyl phthalate
U103	Dimethyl sulfate
U103	Sulfuric acid, dimethyl ester
U105	2,4-Dinitrotoluene
U105	Benzene, 1-methyl-2,4-dinitro-
U106	2,6-Dinitrotoluene
U106	Benzene, 2-methyl-1,3-dinitro-
U107	1,2-Benzenedicarboxylic acid, dioctyl ester
U107	Di-n-octyl phthalate
U108	1,4-Diethyleneoxide
U108	1,4-Dioxane
U109	1,2-Diphenylhydrazine
U109	Hydrazine, 1,2-diphenyl-
U110	1-Propanimine, N-propyl- (I)
U110	Dipropylamine (I)
U111	1-Propanamine, N-nitroso-N-propyl-
U111	Di-n-propylnitrosamine
U112	Acetic acid, ethyl ester (I)
U112	Ethyl acetate (I)
U113	2-Propenoic acid, ethyl ester (I)
U113	Ethyl acrylate (I)
U114	Carbamodithioic acid, 1,2-ethanediylbis-, salts & esters
U114	Ethylenebisdithiocarbamic acid, salts & esters
U115	Ethylene oxide (I,T)
U115	Oxirane (I,T)
U116	2-Imidazolidinethione
U116	Ethylenethiourea
U117	Ethane, 1,1'-oxybis- (I)
U117	Ethyl ether (I)
U118	2-Propenoic acid, 2-methyl-, ethyl ester
U118	Ethyl methacrylate
U119	Ethyl methanesulfonate
U119	Methanesulfonic acid, ethyl ester
U120	Fluoranthene
U121	Methane, trichlorofluoro-
U121	Trichloromonofluoromethane
U122	Formaldehyde
U123	Formic acid (C,T)
U124	Furan (I)
U124	Furfuran (I)
U125	2-Furancarboxaldehyde (I)
U125	Furfural (I)
U126	Glycidylaldehyde
U126	Oxiranecarboxyaldehyde
U127	Benzene, hexachloro-
U127	Hexachlorobenzene
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-
U128	Hexachlorobutadiene
U129	Cyclohexane, 1,2,3,4,5,6- hexachloro-, (1alpha, 2alpha, 3beta, 4alpha, 5alpha, 6beta)-
U129	Lindane
U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexachloro-
U130	Hexachlorocyclopentadiene
U131	Ethane, hexachloro-
U131	Hexachloroethane
U132	Hexachlorophene
U132	Phenol, 2,2'-methylenebis-[3,4,6-trichloro-
U133	Hydrazine (R,T)
U134	Hydrofluoric acid (C,T)
U134	Hydrogen fluoride (C,T)
U135	Hydrogen sulfide
U135	Hydrogen sulfide H_2S
U136	Arsinic acid, dimethyl-
U136	Cacodylic acid
U137	Indeno[1,2,3-cd]pyrene
U138	Methane, iodo-
U138	Methyl iodide
U140	1-Propanol, 2-methyl- (I,T)
U140	Isobutyl alcohol (I,T)
U141	1,3-Benzodioxole, 5-(1-propenyl)-
U141	Isosafrole
U142	1,3,4-Metheno-2H-cyclo-buta[cd] pentalen-2-one, 1,1a,3,3a,4,5,5,5a,5b,6-decachloro octahydro-
U142	Kepone
U143	2-Butenoic acid, 2-methyl-, 7-[[(2,3-dihydroxy-2-(1-methoxyethyl)-3-methyl-1-oxobutoxy]methyl]-2,3,5,7a-tetrahydro-1H-pyrrolizin-1-yl ester, [1S-[1alpha(Z), 7(2S*,3R*), 7aalpha]]-
U143	Lasiocarpine
U144	Acetic acid, lead(2+) salt
U144	Lead acetate
U145	Lead phosphate
U145	Phosphoric acid, lead(2+) salt (2:3)

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Code	Waste Description
U146	Lead subacetate
U146	Lead, bis(acetato-O)tetrahydroxytri-
U147	2,5-Furandione
U147	Maleic anhydride
U148	3,6-Pyridazinedione, 1,2-dihydro
U148	Maleic hydrazide
U149	Malononitrile
U149	Propanedinitrile
U150	L-Phenylalanine, 4-[bis(2-chloroethyl)amino]-
U150	Melphalan
U151	Mercury
U152	2-Propenenitrile, 2-methyl- (I,T)
U152	Methacrylonitrile (I,T)
U153	Methanethiol (I,T)
U153	Thiomethanol (I,T)
U154	Methanol (I)
U154	Methyl alcohol (I)
U155	1,2-Ethanediamine, N,N-dimethyl-N'-2-pyridinyl-N'-(2-thienylmethyl)-
U155	Methapyrilene
U156	Carbonochloridic acid, methyl ester, (I,T)
U156	Methyl chlorocarbonate (I,T)
U157	3-Methylcholanthrene
U157	Benz[j]aceanthrylene, 1,2-dihydro-3-methyl-
U158	4,4'-Methylenebis(2-chloroaniline)
U158	Benzenamine, 4,4'-methylenebis[2-chloro-
U159	2-Butanone (I,T)
U159	Methyl ethyl ketone (MEK) (I,T)
U160	2-Butanone, peroxide (I,T)
U160	Methyl ethyl ketone peroxide (R,T)
U161	4-Methyl-2-pentanone (I)
U161	Methyl isobutyl ketone (I)
U161	Pentanol, 4-methyl-
U162	2-Propenoic acid,2-methyl-,methyl ester (I,T)
U162	Methyl methacrylate (I,T)
U163	Guanidine, N-methyl-N'-nitro-N-nitroso-
U163	MNNG
U164	4(1H)-Pyrimidinone, 2,3-dihydro-6-methyl-2-thioxo-
U164	Methylthiouracil
U165	Naphthalene
U166	1,4-Naphthalenedione
U166	1,4-Naphthoquinone
U167	1-Napthalenamine
U167	alpha-Naphthylamine
U168	2-Napthalenamine
U168	beta-Naphthylamine
U169	Benzene, nitro-
U169	Nitrobenzene (I,T)
U170	p-Nitrophenol
U170	Phenol, 4-nitro-
U171	2-Nitropropane (I,T)
U171	Propane, 2-nitro- (I,T)
U172	1-Butanamine, N-butyl-N-nitroso-
U172	N-Nitrosodi-n-butylamine
U173	Ethanol, 2,2'-(nitrosoimino)bis-
U173	N-Nitrosodiethanolamine
U174	Ethanamine, N-ethyl-N-nitroso-
U174	N-Nitrosodiethylamine
U176	N-Nitroso-N-ethylurea
U176	Urea, N-ethyl-N-nitroso-
U177	N-Nitroso-N-methylurea
U177	Urea, N-methyl-N-nitroso-
U178	Carbamic acid, methylnitroso-, ethyl ester
U178	N-Nitroso-N-methylurethane
U179	N-Nitrosopiperidine
U179	Piperidine, 1-nitroso-
U180	N-Nitrosopyrrolidine
U180	Pyrrolidine, 1-nitroso-
U181	5-Nitro-o-toluidine
U181	Benzenamine, 2-methyl-5-nitro
U182	1,3,5-Trioxane, 2,4,6-trimethyl-
U182	Paraldehyde
U183	Benzene, pentachloro-
U183	Pentachlorobenzene
U184	Ethane, pentachloro-
U184	Pentachloroethane
U185	Benzene, pentachloronitro-
U185	Pentachloronitrobenzene (PCNB)
U186	1,3-Pentadiene (I)
U186	1-Methylbutadiene (I)
U187	Acetamide, N-(4-ethoxyphenyl)-
U187	Phenacetin
U188	Phenol
U189	Phosphorus sulfide (R)
U189	Sulfur phosphide (R)
U190	1,3-Isobenzofurandione
U190	Phthalic anhydride
U191	2-Picoline
U191	Pyridine, 2-methyl-
U192	Benzamide,3,5-dichloro-N-(1,1-dimethyl-2-propynyl)-
U192	Pronamide
U193	1,2-Oxathiolane, 2,2-dioxide
U193	1,3-Propane sultone
U194	1-Propanamine (I,T)
U194	n-Propylamine (I,T)
U196	Pyridine
U197	2,5-Cyclohexadiene-1,4-dione
U197	p-Benzoquinone
U200	Reserpine
U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenz-oyl) oxy]-, methyl ester, (3beta, 16beta, 17alpha, 18beta, 20alpha)-
U201	1,3-Benzenediol
U201	Resorcinol
U202	1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, & salts
U202	Saccharin, & salts

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Code	Waste Description
U203	1,3-Benzodioxole, 5-(2-propenyl)-
U203	Safrole
U204	Selenious acid
U204	Selenium dioxide
U205	Selenium sulfide
U205	Selenium sulfide SeS_2 (R,T)
U206	D-Glucose, 2-deoxy-2- [[(methylnitroso amino)-carbonyl]amino]-
U206	Glucopyranose,2-deoxy-2- (3-methyl-3-nitrosoureido)-,D-
U206	Streptozotocin
U207	1,2,4,5-Tetrachlorobenzene
U207	Benzene, 1,2,4,5-tetrachloro-
U208	1,1,1,2-Tetrachloroethane
U208	Ethane, 1,1,1,2-tetrachloro-
U209	1,1,2,2-Tetrachloroethane
U209	Ethane, 1,1,2,2-tetrachloro-
U210	Ethene, tetrachloro-
U210	Tetrachloroethylene
U211	Carbon tetrachloride
U211	Methane, tetrachloro-
U213	Furan, tetrahydro- (I)
U213	Tetrahydrofuran (I)
U214	Acetic acid, thallium(1+) salt
U214	Thallium(I) acetate
U215	Carbonic acid, dithallium(1+) salt
U215	Thallium(I) carbonate
U216	Thallium chloride TlCl
U216	Thallium(I) chloride
U217	Nitric acid, thallium(1+) salt
U217	Thallium(I) nitrate
U218	Ethanethioamide
U218	Thioacetamide
U219	Thiourea
U220	Benzene, methyl-
U220	Toluene
U221	Benzenediamine, ar-methyl-
U221	Toluenediamine
U222	Benzenamine, 2-methyl-, hydrochloride
U222	o-Toluidine hydrochloride
U223	Benzene, 1,3-diisocyanatomethyl- (R,T)
U223	Toluene diisocyanate (R,T)
U225	Bromoform
U225	Methane, tribromo-
U226	Ethane, 1,1,1-trichloro-
U226	Methyl chloroform
U227	1,1,2-Trichloroethane
U227	Ethane, 1,1,2-trichloro-
U228	Ethene, trichloro
U228	Trichloroethylene
U234	1,3,5-Trinitrobenzene (R,T)
U234	Benzene, 1,3,5-trinitro-
U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)
U235	Tris(2,3,-dibromopropyl) phosphate
U236	2,7-Naphthalenedisulfonic acid,3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo) bis[5-amino-4-hydroxy]-, tetrasodium salt
U236	Trypan blue
U237	2,4-(1H,3H)-Pyrimidinedione, 5-[bis (2-chloroethyl)amino]-
U237	Uracil mustard
U238	Carbamic acid, ethyl ester
U238	Ethyl carbamate (urethane)
U239	Benzene, dimethyl- (I,T)
U239	Xylene (I)
U240	2,4-D, salts & esters
U240	Acetic acid, (2,4-dichlorophenoxy)-, salts & esters
U243	1-Propene, 1,1,2,3,3,3-hexachloro-
U243	Hexachloropropene
U244	Thioperoxydicarbonic diamide $[(H_2N)C(S)]_2$ S_2, tetramethyl-
U244	Thiram
U246	Cyanogen bromide (CN)Br
U247	Benzene, 1,1'-(2,2,2-trichloroethylidene) bis[4-methoxy-
U247	Methoxychlor
U248	2H-1-Benzopyran-2-one, 4-hydroxy-3-(3-oxo-1-phenylbutyl)-, & salts, when present at concentrations of 0.3% or less
U248	Warfarin, & salts, when present at concentrations of 0.3% or less
U249	Zinc phosphide Zn_3P_2, when present at concentrations of 10% or less
U271	Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester.
U271	Benomyl.
U278	1,3-Benzodioxol-4-ol, 2,2-dimethyl-, methyl carbomate
U278	Bendiocarb.
U279	1-Naphthalenol, methylcarbamate.
U279	Carbaryl.
U280	Carbamic acid, (3-chlorophenyl)-. 4-chloro-2-butynyl ester.
U280	Barban.
U328	Benzenamine, 2-methyl-
U328	o-Toluidine
U353	Benzenamine, 4-methyl-
U353	p-Toluidine
U359	Ethanol, 2-ethoxy-
U359	Ethylene glycol monoethyl ether
U364	1,3-Benzodioxol-4-ol, 2,2-dimethyl-
U364	Bendiocarb phenol.
U367	7-Benzofuranol, 2,3-dihydro-2,2-dimethyl
U367	Carbofuran phenol.
U372	Carbamic acid, 1H-benzimidazol-2-yl, methyl ester.
U372	Carbendazim.
U373	Carbamic acid, phenyl-, 1-methylethyl ester.
U373	Propham.
U387	Carbamothioic acid, dipropyl-, S-(phenylmethyl) ester

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Code	Waste Description
U387	Prosulfocarb.
U389	Carbamothioic acid, bis(1-methyl-ethyl) -, S-(2,3,3-trichloro-2-propenyl) ester
U389	Triallate.
U394	A2213
U394	Ethanimidothioic acid, 2-(dimethylamino) -N-hydroxy-2-oxo-, methyl ester
U395	Diethylene glycol, dicarbamate
U395	Ethanol, 2, 2'-oxybis-, dicarbamate
U404	Ethanamine, N, N-diethyl-
U404	Triethylamine.
U408	2,4,6-Tribromophenol
U409	Carbamic acid, [1,2-phenylenebis (iminocarbonothioyl)]bis-, dimethyl ester
U409	Thiophanate-methyl
U410	Ethanimidothioic acid, N,N'-[thiobis[(methylimino)carbonyloxy]]bis-, dimethyl ester
U410	Thiodicarb.
U411	Phenol, 2-(1-methylethoxy)-, methylcarbamate
U411	Propoxur.

See F027:
2,3,4,6-Tetrachlorophenol
2,4,5-T
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
Acetic acid, (2,4,5-trichlorophenoxy)-
Pentachlorophenol
Phenol, 2,3,4,6-tetrachloro-
Phenol, 2,4,5-trichloro-
Phenol, 2,4,6-trichloro-
Phenol, pentachloro-
Propanoic acid, 2-(2,4,5-trichlorophenoxy)-
Silvex (2,4,5-TP)

Koppers014429

State-Only Waste Codes

	State-Only Waste Code	State-Only Waste Type
1.	'OR' followed by the associated waste code. These are acute hazardous wastes, with codes beginning with the letter 'P.' Waste codes are listed on Pages 53 - 67 of this guidebook. For example: ORP003.	A residue containing a 3 percent or greater concentration of any substance or mixture of substances contained in 40 CFR 261.33 (e), (the "P" list) except pesticide wastes and those substances or mixtures of substances containing only those toxic contaminants listed in 40 CFR 261.24 in Table 1 (the TC list). If a residue contains only contaminants on the "P" list, and all those contaminants are ALSO on the TC list, the residue only needs evaluation using the TCLP method. The residue does not need additional evaluaton as an Oregon P hazardous waste.
2.	'OR' followed by the associated waste code. These are toxic wastes, with codes beginning with the letter 'U.' Waste codes are listed on Pages 53 - 67 of this guidebook. For example: ORU001.	A residue containing a 10 percent or greater concentration of any substance or mixture of substances contained in 40 CFR 261.33 (f), (the "U" list) except pesticide wastes and those substances or mixtures of substances containing those toxic contaminants listed in 40 CFR 261.24 in Table 1 (the TC list). If a residue contains only contaminants on the "U" list, and all those contaminants are ALSO on the TC list, the residue needs evaluation using the TCLP method. The residue does not need additional evaluation as an Oregon U hazardous waste. In addition, U075 (Dichlorodifluoromethane) and U121 (Trichloromonofluoromethane), when they are intended to be recycled, are not considered to be Oregon U hazardous wastes.
3.	'OR' followed by the associated waste code. These are acute hazardous wastes or toxic wastes, with codes beginning with the letters 'P' or 'U.' Waste codes are listed on Pages 53-67 of this guidebook.	Spill cleanup debris containing any amount of hazardous waste listed in 1 and 2 above.
4.	X001	Waste Pesticide residue, except for those that are managed as universal wastes; or whose constituents are listed in 40 CFR 261.24(a), but are below the prescribed regulatory level.
5.	X007	Wastes received from out of state that are not regulated in Oregon but are regulated as hazardous waste in state of origin.
6.	F998	Residues from demilitarization, treatment and testing of blister agents, such as mustard agents.
7.	F999	Residues from demilitarization, treatment and testing of nerve agents, such as GB (Sarin) and VX.

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	State-Only Waste Code	State-Only Waste Type
8.	P998	Blister agents, such as mustard agents, which have been added to the list of commercial chemical products found in 40 CFR 261.33(e).
9.	P999	Nerve agents, such as GB (Sarin) and VX, which have been added to the list of commercial chemical products found in 40 CFR 261.33(e).

The following wastes have been assigned codes, but currently are **not** regulated as hazardous waste. **Do not report these wastes if you generate them; do report these wastes if you receive them from off-site.**

X002	Polychlorinated Biphenyls (PCBs)
X004	Industrial waste
X006	Lab Pack that is not considered hazardous waste under RCRA.
X008	Household hazardous waste

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Hazardous Waste Source of Generation Codes

Code	Waste Source
Cleaning and Degreasing	
A01	Stripping
A02	Acid cleaning
A03	Caustic (alkali) cleaning
A04	Flush rinsing
A05	Dip rinsing
A06	Spray rinsing
A07	Vapor degreasing
A08	Physical scraping and removal
A09	Clean out process equipment
A19	Other cleaning and degreasing (Specify in Comments)
Surface Preparation and Finishing	
A21	Painting
A22	Electroplating
A23	Electroless plating
A24	Phosphating
A25	Heat treating
A26	Pickling
A27	Etching
A29	Other surface coating/preparation (Specify in Comments)
Processes Other Than Surface Preparation	
A31	Product rinsing
A32	Product filtering
A33	Product distillation
A34	Product solvent extraction
A35	By-product processing
A36	Spent catalyst removal
A37	Spent process liquids removal
A38	Tank sludge removal
A39	Slag removal
A40	Metal forming
A41	Plastics forming
A49	Other processes other than surface preparation (Specify in Comments)
Production or Service Derived One-Time and Intermittent Processes	
A51	Leak collection
A53	Cleanup of spill residues
A54	Oil changes
A55	Filter/Battery replacement
A56	Discontinue use of process equipment
A57	Discarding off-specification material
A58	Discarding out-of-date products or chemicals
A59	Other production-derived one-time and intermittent processes (Specify in Comments)
A60	Sludge removal
Remediation Derived Waste	
A61	Superfund Remedial Action
A62	Superfund Emergency Response
A63	RCRA Corrective Action at solid waste management unit
A64	RCRA closure of hazardous waste management unit
A65	Underground storage tank cleanup
A66	Remediation waste generated under state approved cleanup authority
A67	Investigation Derived Waste (See Definition on Page 12)
A69	Other remediation (Specify in Comments)
Pollution Control or Waste Treatment Processes	
A71	Filtering/screening
A72	Metals recovery
A73	Solvents recovery
A74	Incineration/Thermal treatment
A75	Wastewater treatment
A76	Sludge dewatering
A77	Stabilization
A78	Air pollution control devices
A79	Leachate collection
A89	Other pollution control or waste treatment (Specify in Comments)
Other Processes	
A91	Clothing and personal protective equipment
A92	Routine cleanup wastes (e.g., floor sweepings)
A93	Closure of management unit(s) or equipment other than by remediation specified in codes A61 - A69
A94	Laboratory wastes
A99	Other (Specify in Comments)

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Hazardous Waste Form Codes

Code	Waste Description

LAB PACKS

Lab Packs – Lab packs of mixed wastes, chemicals, lab wastes

B001	Lab packs of old chemicals only
B002	Lab packs of debris only
B003	Mixed lab packs
B004	Lab packs containing acute hazardous wastes
B009	Other lab packs (Specify in Comments)

LIQUIDS

Inorganic liquids — Waste that is primarily inorganic and highly fluid (e.g., aqueous), with low suspended inorganic solids and low organic content

B101	Aqueous waste with low solvents
B102	Aqueous waste with low other toxic organics
B103	Spent acid with metals
B104	Spent acid without metals
B105	Acidic aqueous waste
B106	Caustic solution with metals but no cyanides
B107	Caustic solution with metals and cyanides
B108	Caustic solution with cyanides but no metals
B109	Spent caustic
B110	Caustic aqueous waste
B111	Aqueous waste with reactive sulfides
B112	Aqueous waste with other reactives (e.g., explosives)
B113	Other aqueous waste with high dissolved solids
B114	Other aqueous waste with low dissolved solids
B115	Scrubber water
B116	Leachate
B117	Waste liquid mercury
B119	Other inorganic liquids (Specify in Comments)

Organic liquids — Waste that is primarily organic and is highly fluid, with low inorganic solids content and low-to-moderate water content

B201	Concentrated solvent-water solution
B202	Halogenated (e.g., chlorinated) solvent
B203	Nonhalogenated solvent
B204	Halogenated/nonhalogenated solvent mixture
B205	Oil-water emulsion or mixture
B206	Waste oil
B207	Concentrated aqueous solution of other organics
B208	Concentrated phenolics
B209	Organic paint, ink, lacquer, or varnish
B210	Adhesives or epoxies
B211	Paint thinner or petroleum distillates
B212	Reactive or polymerizable organic liquid
B219	Other organic liquids (Specify in Comments)

SOLIDS

Inorganic solids — Waste that is primarily inorganic and solid, with low organic content and low-to-moderate water content; not pumpable

B301	Soil contaminated with organics
B302	Soil contaminated with inorganics only
B303	Ash, slag, or other residue from incineration of wastes
B304	Other "dry" ash, slag, or thermal residue
B305	"Dry" lime or metal hydroxide solids chemically "fixed"
B306	"Dry" lime or metal hydroxide solids not "fixed"
B307	Metal scale, filings, or scrap
B308	Empty or crushed metal drums or containers
B309	Batteries or battery parts, casings, cores
B310	Spent solid filters or adsorbents
B311	Asbestos solids and debris
B312	Metal-cyanide salts/chemicals
B313	Reactive cyanide salts/chemicals
B314	Reactive sulfide salts/chemicals
B315	Other reactive salts/chemicals
B316	Other metal salts/chemicals
B319	Other waste inorganic solids (Specify in Comments)

Organic solids — Waste that is primarily organic and solid, with low-to-moderate inorganic content and water content; not pumpable

B401	Halogenated pesticide solid
B402	Nonhalogenated pesticide solid

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Code	Waste Description
B403	Solid resins or polymerized organics
B404	Spent carbon
B405	Reactive organic solid
B406	Empty fiber or plastic containers
B407	Other halogenated organic solids (Specify in Comments)
B409	Other nonhalogenated organic solids (Specify in Comments)

SLUDGES

Inorganic sludges — Waste that is primarily inorganic, with moderate-to-high water content and low organic content, and pumpable

B501	Lime sludge without metals
B502	Lime sludge with metals/metal hydroxide sludge
B503	Wastewater treatment sludge with toxic organics
B504	Other wastewater treatment sludge
B505	Untreated plating sludge without cyanides
B506	Untreated plating sludge with cyanides
B507	Other sludge with cyanides
B508	Sludge with reactive sulfides
B509	Sludge with other reactives
B510	Degreasing sludge with metal scale or filings
B511	Air pollution control device sludge (e.g., fly ash, wet scrubber sludge)
B512	Sediment or lagoon dragout contaminated with organics
B513	Sediment or lagoon dragout contaminated with inorganics only
B514	Drilling mud
B515	Asbestos slurry or sludge
B516	Chloride or other brine sludge
B519	Other inorganic sludges (Specify in Comments)

Organic sludges — Waste that is primarily organic with low-to-moderate inorganic solids content and water content, and pumpable

B601	Still bottoms of halogenated (e.g., chlorinated) solvents or other organic liquids
B602	Still bottoms of nonhalogenated solvents or other organic liquids
B603	Oily sludge
B604	Organic paint or ink sludge
B605	Reactive or polymerizable organics
B606	Resins, tars, or tarry sludge
B607	Biological treatment sludge
B608	Sewage or other untreated biological sludge
B609	Other organic sludges (Specify in Comments)

Code	Waste Description

GASES

Inorganic gases — Waste that is primarily inorganic with a low organic content and is a gas at atmospheric pressure

B701	Inorganic gases

Organic gases — Waste that is primarily organic with low-to-moderate inorganic content and is a gas at atmospheric pressure

B801	Organic gases

Koppers014434

Management System Codes

Code	System Type

Metals Recovery (For Reuse)

M011	High temperature metals recovery
M012	Retorting
M013	Secondary smelting
M014	Other metals recovery for reuse: e.g., ion exchange, reverse osmosis, acid leaching, etc. (Specify in Comments)

Solvents Recovery

M021	Fractionation/distillation
M022	Thin film evaporation
M023	Solvent extraction
M024	Other solvent recovery (Specify in Comments)

Other Recovery

M031	Acid regeneration
M032	Other recovery: e.g., waste oil recovery, nonsolvent organics recovery, accumulation prior to treatment in a wastewater treatment unit, etc. (Specify in Comments)

Incineration

M041	Incineration — liquids
M042	Incineration — sludges
M043	Incineration — solids
M044	Incineration — gases

Energy Recovery (Reuse As Fuel)

M051	Energy recovery — liquids
M052	Energy recovery — sludges
M053	Energy recovery — solids

Fuel Blending

M061	Fuel blending

Aqueous Inorganic Treatment

M071	Chrome reduction followed by chemical precipitation
M072	Cyanide destruction followed by chemical precipitation
M073	Cyanide destruction only
M074	Chemical oxidation followed by chemical precipitation
M075	Chemical oxidation only
M076	Wet air oxidation
M077	Chemical precipitation
M078	Other aqueous inorganic treatment: e.g., ion exchange, reverse osmosis, etc. (Specify in Comments)

Aqueous Organic Treatment

M081	Biological treatment
M082	Carbon adsorption
M083	Air/steam stripping
M084	Wet air oxidation
M085	Other aqueous organic treatment (Specify in Comments)

Aqueous Organic and Inorganic Treatment

M091	Chemical precipitation in combination with biological treatment
M092	Chemical precipitation in combination with carbon adsorption
M093	Wet air oxidation
M094	Other organic/inorganic treatment (Specify in Comments)

Sludge Treatment

M101	Sludge dewatering
M102	Addition of excess lime
M103	Absorption/adsorption
M104	Solvent extraction

Stabilization

M111	Stabilization/Chemical fixation using cementitious and/or pozzolanic materials
M112	Other stabilization (Specify in Comments)

Other Treatment

M121	Neutralization only
M122	Evaporation only
M123	Settling/clarification only
M124	Phase separation (e.g., emulsion breaking, filtration) only
M125	Other treatment (Specify in Comments)

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Code	System Type
Disposal	
M131	Land treatment/application/farming
M132	Landfill
M133	Surface impoundment
M134	Deepwell/underground injection
M135	Direct discharge to sewer/POTW (See Helpful Hint # 9 on Page 9)
M136	Direct discharge to surface water under NPDES (See Helpful Hint # 9 on Page 9)
M137	Other disposal (Specify in Comments)
M138	Reinfiltration of contaminated groundwater
Transfer Facility Storage	
M141	Transfer facility storage, waste was shipped off site with no on-site TDR activity. (To be used only to report waste received on-site, then shipped off-site without management.)
Unknown	
M999	Management method unknown
NOTE:	Use of code M999 in reporting will result in increased fees and other follow-up

Koppers014436

DEPARTMENT OF ENVIRONMENTAL QUALITY

Headquarters Office
811 SW Sixth Avenue
Portland, OR 97204
General Information: (503)229-5696, 229-5630
Toll-free inside Oregon 1-800-452-4011
TDD (503)229-6993
Fax (503)229-6124

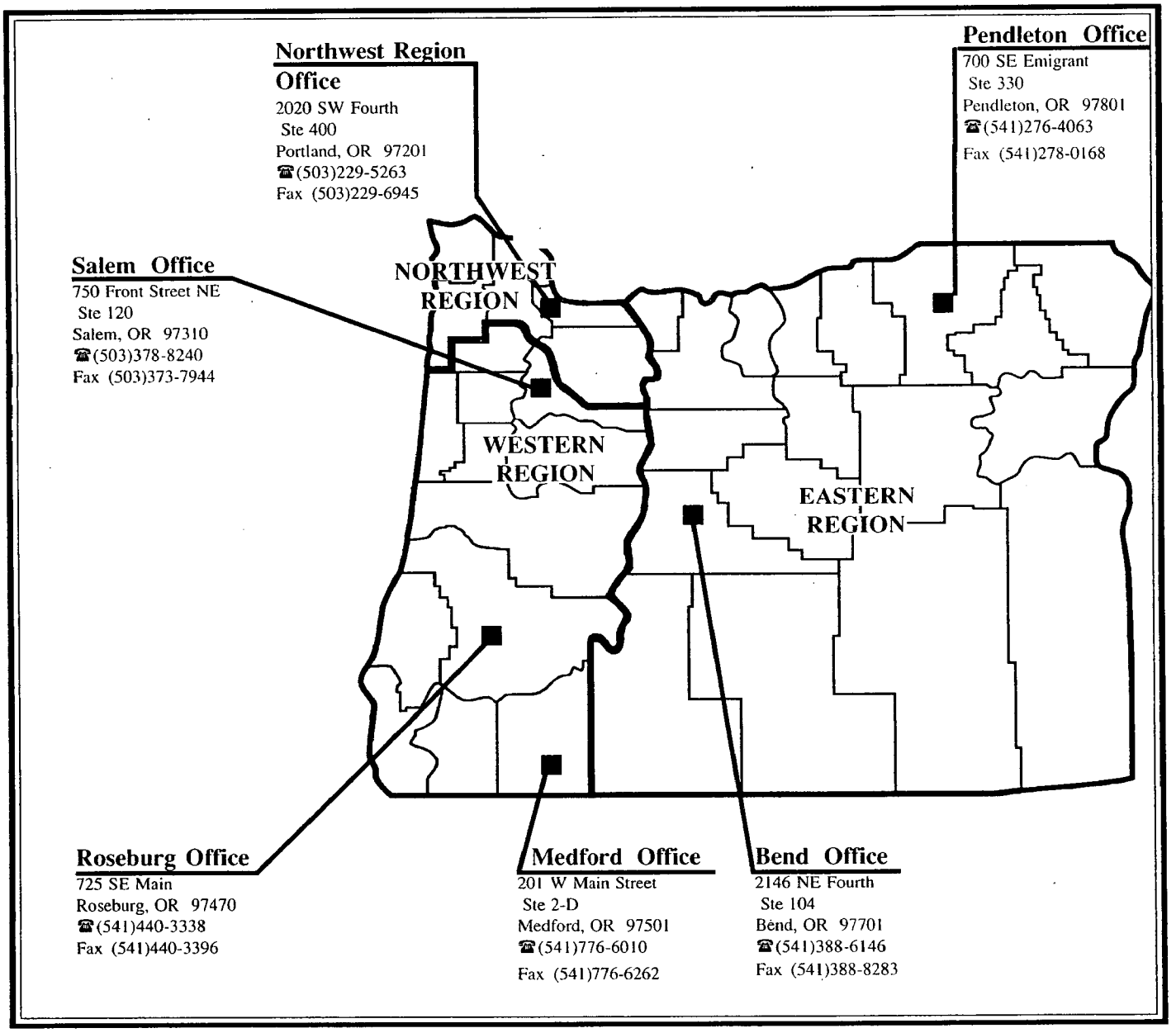
Air Quality Division
Information (503)229-5359

Water Quality Division
Information (503)229-5279

Waste Management & Cleanup Division
(Hazardous Waste, Solid Waste, Cleanup & Underground Storage Tanks)
Information (503)229-5913

Laboratory Division
1712 SW Eleventh Avenue
Portland, OR 97201
Telephone (503)229-5983
Fax (503)229-6924

DEQ regional and branch offices are located in three regions in Oregon.



[Revised December, 1997]

Koppers014437

DEPT. OF ECOLOGY CALLED AMOS AT 1PM JULY 6, 1999 TO SAY THAT THEY AGREE WITH OUR STATEMENT AND THE FEE WILL BE WAIVED. (LARRY McCALLUM)

June 30. 1999

State of Washington
Department of Ecology
P. O. Box 34050
Seattle, WA 98124-1050

Dear Ecology Staff,

This is a letter requesting a Hazardous Waste Education Fee waiver for Koppers Industries, Inc. – Northwest Terminal, Portland, Oregon.

Koppers does not have a facility in the State of Washington.

The primary function of this facility is to terminal coal tar pitch that we import from Asia, which is used by the Aluminum Industry in their smelting process.

In the past, Koppers has supplied creosote to customers in the State of Washington. This facility no longer handles this product. Since Koppers no longer has the potential to generate hazardous wastes associated with creosote, and no longer sells this product, we are requesting that the fee be waived.

Enclosed is our billing coupon for reference.

Thank you for considering our request. If you have any further questions please call.

Respectfully,

Amos S. Kamerer
Plant Manager

copy filed in A/P Misc. "W"

State of Washington
Department of Ecology
PO Box 34050
Seattle, Washington 98124-1050

ECOLOGY

1998 HAZARDOUS WASTE EDUCATION FEE

Due June 30, 1999

A
98

601139216112983500000000000

REG#: 601 139 216 *1 SIC CODE: 5169

Total Due: $ 35.00

KOPPERS INDUSTRIES INC
KOPPERS BLDG
436 7TH AVE STE 1950
PITTSBURGH PA 15219-1800

Enclose this form with your check or money order, made payable to the Washington State Department of Ecology

ECY 050-25 (3/96)

State of Washington
Department of Ecology
PO Box 34050
Seattle, Washington 98124-1050

ECOLOGY

1997 HAZARDOUS WASTE EDUCATION FEE

Due June 30, 1998

FILE under
W for State of WASHINGTON

A
97

601139216112973500000000000

REG#: 601 139 216 *1 SIC CODE: 5169

Total Due: $ 35.00

KOPPERS INDUSTRIES INC
KOPPERS BLDG
436 7TH AVE # 1950
PITTSBURGH PA 15219-1800

Enclose this form with your check or money order, made payable to the Washington State Department of Ecology

ECY 030-26 (3/96)

KI 37W REV 2 6M 6/90

GL	DET	S-DET	LOC	DEPT	TAX	EMP #	MOVE # PO #	AMOUNT
[illegible]	[illegible]		[illegible]	910	[illegible]			35 -

CIRCLE TERMS ON INVOICE

INV # [illegible] DATE [illegible]/26/98

A/P DEPARTMENT USE ONLY

VENDOR NUMBER 9 6 0 0 2 4 0 0 5

TERMS CODE 045 DUE DATE / /

DIVISION	MONTH	AUDIT NUMBER
483	06	92700230

OK TO PAY

GROSS AMOUNT 35 -

DISCOUNT $

NET $

IMPORTANT: CIRCLE TERMS ON INVOICE

1998 POSTING

Hazardous Waste Education Fee - 1999

Ecology Fact Sheet — *Publication Number 99-427*

The Hazardous Waste Education Fee funds programs that help businesses learn about the benefits of hazardous waste reduction and how to comply with state and federal hazardous waste regulations.

State law requires you to pay $35 each year to support programs that help businesses - particularly small ones - find ways to prevent environmental pollution.

The fee pays for activities like conducting workshops, providing phone and on-site consultation services, and developing literature on pollution prevention.

Who pays the fee?

The Hazardous Waste Education Fee applies to businesses that generated any quantity of hazardous waste during 1998. You received a bill because your business is classified as one that typically generates hazardous waste, **and** the value of your products, gross proceeds of sales or gross income exceeded $12,000 in 1998.

What is "Hazardous Waste"?

Ecology considers wastes as hazardous when they have properties that endanger human health or the environment. The following list gives examples of these waste streams, along with the characteristics that make them "hazardous":

Waste Streams	Characteristic
battery acid, sodium hydroxide, drain cleaner	Corrosivity
paint thinner, spent solvents, acetone	Ignitability
explosives, cyanides, hypochlorides	Reactivity
used antifreeze, heavy metals, photo processing wastes	Toxicity

How is hazardous waste generated?

Many businesses and industries create hazardous wastes as they provide a service or product to their customers. Some products you might use are hazardous from the start, while others pick up contaminants as you use them. *Either way, the waste is generated and subjects the generating facility to a fee.*

A partial list naming some sources of hazardous wastes appears below:

- ✓ **Painting** - paints, solvents, paint and lacquer thinners, empty containers with residuals of hazardous materials
- ✓ **Parts Cleaning** - solvents, acids, caustics, shop rags
- ✓ **Equipment Maintenance or Repair** - solvents, used oil, used antifreeze, paints, used gasoline, diesel
- ✓ **Machining** - solvents, coolants, cutting oil, shop rags
- ✓ **Heavy Machinery Operation** - oils, coolants, solvents, shop rags.
- ✓ **Printing** - inks, solvents, shop rags
- ✓ **Photo Processing** - silver, developer, fixer
- ✓ **Janitorial and Ground Maintenance** - cleaners, waxes, pesticides, paints
- ✓ **Construction** - adhesives, paints, solvents, empty containers with residuals of hazardous materials
- ✓ **Pesticide Applications** out of date chemicals, residues, spills,

The proper *management* of waste (recycling, treatment, or disposal) does not negate the fact that it was *generated* in the first place. *Management* does not exempt you from fee requirements.

Koppers014441

Department of Ecology
Hazardous Waste and Toxics Reduction Program

Free Help for Businesses

Technical assistance given to Metallic Arts, a Spokane decorative sign manufacturer, helped close the loop for their alkaline cleaning process and should save them approximately $3,500 per year in monitoring costs, reduced water bills and chemical losses. The assistance was provided in cooperation with the City of Spokane's wastewater treatment facility.

Many businesses are unaware that some of the materials they work with may contain hazardous substances that endanger human health and the environment. The Department of Ecology provides information to all businesses to promote pollution prevention and effective waste management.

Ecology maintains regional offices in Bellevue, Lacey, Spokane and Yakima. Toxics reduction professionals in each location provide technical assistance to all Washington businesses, industries and governmental agencies. These experts offer you **non-enforcement** assistance to help with your pollution prevention efforts. They can also explain the requirements of the *Dangerous Waste Regulations*. Many businesses have successfully reduced the amount of waste they generate by working closely with our staff.

Hands-on Help to Business

Ecology staff can help you by providing:

On-site assistance

Toxics reduction specialists are trained to help solve specific waste reduction and waste management issues. They can also help you understand Washington's dangerous waste rules.

Phone Consultation

Over the phone, you can get general advice on pollution prevention methods and regulatory compliance.

Printed Information

The Hazardous Waste and Toxics Reduction Program publishes many documents that cover pollution prevention methods for your industry.

Columbia Machine, Incorporated, located in Ridgefield, is a metal fabricator. They have reduced use of toluene by 40% by educating their employees on proper chemical use and handling techniques. In addition, they use less solvent-based paints and thinners and they have switched to a non-hazardous (non-solvent) degreasing material. Columbia Machine is now a much safer place to work, and they have saved a substantial amount of money.

For example, 25,000 businesses receive the *Shoptalk* newsletter each quarter. This document covers the latest proven techniques for waste reduction. It also offers sound advice on how you can work within regulatory guidelines. To obtain a free subscription, call (360) 407-6719.

Other documents, like the series *Success Through Waste Reduction, Volumes I-IV*, contain valuable information specifically on pollution prevention. Call (360) 407-7472 to obtain a copy of these and other publications.

Training

We sponsor a variety of workshops and seminars to share information about the pollution prevention successes of others. Many of their techniques can work for you!

Last year, Ecology staff conducted 510 site visits, provided 6,587 phone consultations and sponsored 40 workshops attended by 1,697 participants.

The Benefits of Pollution Prevention

Businesses that use any amount of hazardous materials find that reducing their use of these products benefits the company and also preserves the environment. Preventing pollution:

- Improves worker health and safety.
- Increases cost savings, particularly in the areas of waste disposal, business adminstration, regulatory compliance and potential liability.
- Improves process efficiency.
- Reduces regulatory requirements.

Reduce Waste

Koppers014442

When is the fee due?

Businesses must pay the fee by **June 30, 1999.** We have enclosed a return envelope with a pre-printed return address to help make payment easier. Make sure to enclose the billing statement with your payment or we may be unable to credit your account.

I know my business did not generate hazardous waste during last year. Do I still have to pay the fee?

No. Only businesses that generate hazardous waste must pay this fee, but you must write to Ecology and request a review of your fee status.

How do I request a waiver?

If you believe you did not generate hazardous waste in 1998, send a signed letter that includes:

- ✓ a request for a fee waiver;
- ✓ a description of your business activities in sufficient detail that Ecology can evaluate your request; and
- ✓ your telephone number

Attach the billing coupon to your letter and mail it in the return envelope that has been provided. Waiver requests must be mailed by **June 30, 1999.**

Do I need to call Ecology first?

No. If you know the fee does not apply to you, just send in the written request with your coupon.

Ecology will review your request and contact you with any questions or concerns. If you are not sure if you need to pay the fee, call the toll-free phone number listed in the next section. We will help you make the determination. However, fee waivers will not be granted by phone.

Who do I contact if I have questions?

Call the Department of Ecology at **1-800-633-7585.** ***Make sure to have the billing coupon in front of you.*** You will need to refer to two important numbers — your Standard Industrial Classification (SIC) Code and your Department of Revenue (DOR) Tax Identification Number. Both numbers are printed on the coupon, just above your name and address.

The toll-free number places you into a voice answering system designed to connect you with a staff person familiar with your industry. Follow the instructions provided in the box below as they are referred to in the message.

To Call the Hazardous Waste Education Fee Hotline:

1. Dial 1-800-633-7585. Listen to the introductory message.
2. Press "4" to reach the Hazardous Waste Education Fee menu.
3. Look at your billing coupon. Find your four-digit Standard Industrial Classification (SIC) Code printed just above your name and address.
4. Look at the first digit of your SIC Code number.
   - Is the number 0 or 1? **PRESS 1**
   - Is the 2, 3, 4, or 5? **PRESS 2**
   - Is the number 6, 7, 8, or 9? **PRESS 3**
5. You will be connected with an Ecology staff person. He or she may ask for your nine-digit Department of Revenue (DOR) Tax Identification Number. You can find it above your name and address. The staff person will use this number to verify the status of your fee account.

The Hazardous Waste and Toxics Reduction Program is responsible for managing and reducing hazardous waste and toxic substances in Washington. If you have a question, please contact a Toxics Reduction Specialist or Hazardous Waste Specialist at your nearest regional office.

If you have special accommodation needs or require this document in alternative format, please contact the Hazardous Waste and Toxics Reduction Program at (360) 407-6700 (voice) or (360) 407-6006 (TDD).

printed on reycled paper

Koppers014443

Make the call!

Call the regional office nearest you to be connected with a pollution prevention expert.

Western Washington

Northwest Regional Office - Bellevue
Main Reception (425) 649-7000
Dennis Johnson, Supervisor
Toxics Reduction Unit (425) 649-7040

Southwest Regional Office - Lacey
Main Reception (360) 407-6300
Hugh O'Neill, Supervisor
Toxics Reduction Unit (360) 407-6354

Operator: Larry McCallum

Eastern Washington

Central Regional Office - Yakima
Main Reception (509) 575-2490
Mark Benedict, Toxics Reduction Specialist
Toxis Reduction Unit (509) 575-2803

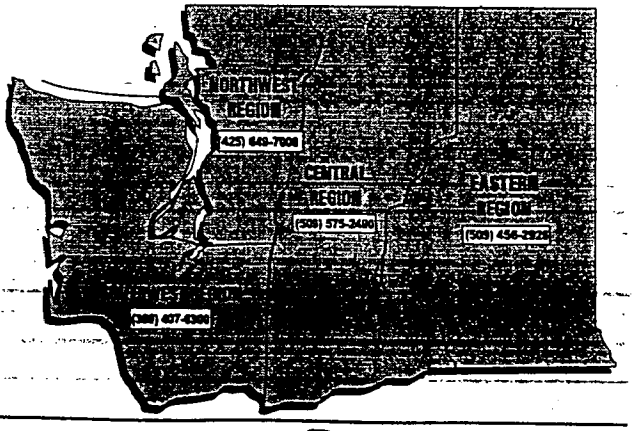
Eastern Regional Office - Spokane
Main Reception (509) 456-2926
Doug Jayne, Supervisor
Toxics Reduction Unit (509) 456-6171

The Hazardous Waste and Toxics Reduction Program is responsible for managing and reducing hazardous waste and toxic substances in Washington. If you have a question, please contact a Toxics Reduction Specialist or Hazardous Waste Specialist at your nearest regional office.

The Department of Ecology is an equal opportunity agency and does not discriminate on the basis of race, creed, color, disability, age, religion, national origin, sex, marital status, disabled veteran's status, Vietnam Era veteran's status or sexual orientation.

If you have special accommodation needs or require this document in an alternative format, please contact the Hazardous Waste and Toxics Reduction Program at (360) 407-6700 (voice) or (360) 407-6006 (TDD).

Regional TDD numbers are:
Central Regional Office
(509) 454-7673
Northwest Regional Office
(425) 649-4259
Eastern Regional Office
(509) 456-2926
Southwest Regional Office
(360) 407-6306



printed on recycled paper

Koppers014444

United States
Environmental Protection
Agency

Region 10
1200 Sixth Avenue
Seattle WA 98101

Alaska
Idaho
Oregon
Washington

Put in EPA file 2a

EPA

JAN 23 1992

Reply To
Attn Of: AT-083

CERTIFIED LETTER - RETURN RECEIPT REQUESTED LETTER OF WARNING

John Oxford
Terminal Manager
Koppers Industries, Inc.
7540 Northwest St. Helens Road
Portland, Oregon 97229

Dear Mr. Oxford:

On March 14, 1991, an investigator from the Oregon State Department of Agriculture (OSDA) conducted a routine inspection of your facility to determine its compliance with the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

The inspector obtained samples of labels used on the pesticide products which your facility produces. A review of the label which is used on the product you export to Canada reveals that your EPA establishment number does not appear on that label. Section 2(q)(1)(D) of FIFRA defines a pesticide as misbranded if its label does not bear the registration number assigned to the establishment in which it was produced. Section 17(a)(1) of FIFRA requires pesticides intended for export to any foreign country to comply with Section 2(q)(1)(D) of the Act and bear the establishment number of the producer on their label.

You should cease using the Canadian labels until steps have been taken to include your establishment number on them. Please provide us with a written response within 30 days describing the actions you have taken to correct this situation. If you have any questions, please contact Cora Churchill at (206)553-5032.

Sincerely,

Richard B. Parkin

Richard B. Parkin
Chief, Pesticides Section

cc: Rich Angyal/OSDA

John: Please review + comment
John Oxford

bcc:

J. R. Batchelder - K-1700
L. F. Flaherty - K-1750
J. A. Oxford - Portland

Mail
Put in
E.P.A.
file
Jao

RECEIVED
FEB 11 1952
KOPPERS INDS., INC.
PORTLAND, OR

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001
Fax: (412) 227-2423

CERTIFIED LETTER - RETURN RECEIPT REQUESTED

February 4, 1992

Mr. Richard B. Parkin
EPA Region 10
1200 Sixth Ave.
Seattle, WA 98101

Attention of AT-083

Dear Mr. Parkin:

This writing is in response to your January 23rd LETTER OF WARNING regarding the results of the March 14, 1991 inspection of Koppers facility in Portland, Oregon. According to your letter, the Koppers facility was not in compliance with Section 2(q)(1)(D) of FIFRA because the facility EPA establishment number did not appear on the Coal Tar Creosote label used on Koppers pesticide exported to Canada.

On January 28th the Koppers Portland facility was instructed to affix their EPA establishment number on all pesticide labels leaving their facility. You will find attached a sample of the Coal Tar Creosote label now used on our Canadian shipments with the Portland facility EPA EST No. 61-OR-1 on the label.

I also understand, after talking with Ms. Cora Churchill, that affixing both the US EPA approved pesticide label and the Canadian pesticide label to the pesticide container is acceptable to ensure compliance with both regulations while in transit.

Please contact me at (412) 227-2884 if you have any questions regarding the procedures Koppers has implemented to comply with your LETTER OF WARNING.

Sincerely,

John E. Marcinowski, Manager
Labeling & Regulatory Programs

KOPPERS® INDUSTRIES

Coal Tar Creosote

Wood Preservative
COMMERCIAL

For use ONLY in the preparation and manufacture of Industrial Wood Preservation treating solutions, which are to be used at pressure and thermal wood preservation treatment facilities.

For Industrial use only.

Harmful or fatal if swallowed or inhaled.

DANGER

POISON

IRRITANT
CORROSIVE TO EYES AND SKIN
SENSITIZER

READ THE LABEL BEFORE USING

GUARANTEE: Coal Tar Creosote.....98.5%
Water.....1.5%

REGISTRATION NO. 21876 PEST CONTROL PRODUCTS ACT

NET CONTENTS:
20,430 kilograms Tank Truck
88,530 kilograms Tank Car

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800
800 553-5631

NOTICE TO USER:

This control product is to be used only in accordance with the directions on this label. It is an offence under the Pest Control Products Act to use a control product under unsafe conditions.

PRODUCT LIMITATIONS:

For use ONLY in the preparation and manufacture of Industrial Wood Preservation treating solutions which are to be used only at pressure and thermal wood preservation treatment facilities. To be used only in the formulation of industrial treatment solutions at industrial treating facilities for the treatment of:

1. railway ties
2. utility poles, and piling
3. outdoor construction materials

TREATED WOOD LIMITATIONS:

Working solutions should only be used for treatment of wood having NO opportunities for:

1. direct contact with, or becoming a deleterious component of drinking water.
2. use in: (a) residential construction
   (b) food/feed storage/production or animal housing
   (c) playground equipment.
3. prolonged skin contact.

DIRECTIONS FOR USE:

Post a copy of this label at the treating site, and all other areas where workers may be exposed to creosote. Ensure that all transfer of creosote occurs thorugh closed loading systems.

Apply at rates prescribed in Canadian Standards Association, .080 Standard or similar national or international standard to achieve penetration and retention levels required. Pressure treatment of wood with this product provides protection against wood decay fungi, insects and marine borers.

PREPARATION:

Brand and machine wood prior to treatment.

EPA EST

61 - OR - 1

PRECAUTIONS:

Keep out of reach of children. Toxic if swallowed. May cause severe skin or eye irritation. Avoid contact with skin, eyes and clothing. Wear gloves impervious to creosote at all times.

Do not carry, store, or consume food or drink in areas where creosote is stored or used, or where freshly treated wood is stored. Do not carry or smoke cigarettes in working areas. Do not expose cuts or abrasions to creosote solutions. Get immediate first aid if eyes contact creosote solutions. Keep work area well ventilated. Keep away from open flame.

Operator Function	Corresponding Relative Exposure Potential	Protective Regime
I Operations carried on **inside treatment cylinders.**	High	Self-contained breathing apparatus with full face piece or supplied air respirator and full face piece. Coveralls and impervious gauntlets (long sleeve gloves), impervious apron, head gear and impervious boots.
II Operations carried on **outside treatment cylinders** that entail opportunity for direct exposure to creosote, e.g., a) transfer of creosote b) cleaning/maintenance activities; c) opening cylinder after treatment, d) charging thermal tanks.	Medium	Half mask cannister, or cartridge-type respirator approved for polynuclear aromatics and organic vapours. Coveralls, chemical goggles or face shield, impervious gauntlets (long sleeve gloves), impervious apron, head gear and impervious boots.
III Handling treated wood.	Low	Wear a respirator if treated wood is handled in enclosed areas, or when freshly treated wood is above ambient temperature. Coveralls, impervious gloves and impervious boots.

USE PROTECTIVE CLOTHING MADE FROM THE FOLLOWING MATERIALS:

Viton, neoprene, butyl rubber, nitrile, polyvinyl chloride, polyvinyl acetate.

FIRST AID TREATMENT:

If swallowed, call a doctor. **If on skin,** wash immediately with soap and water. **If in eyes,** flush with clear water. If irritation persists, obtain medical attention.

EYE CONTACT:
- Immediately flush eyes with flowing water, occasionally lifting the upper and lower lids.
- Flush eyes for at least 15 minutes.
- Wash contaminated skin with soap or mild detergent and water.
- If irritation develops, get prompt medical attention.

SKIN CONTACT:
- Immediately remove soaked clothing or articles in contact with the skin.
- Remove from skin with degrease hand cleaner.
- Wash contaminated skin with soap or mild detergent and water.
- If irritation develops, get prompt medical attention.

INHALATION:
- Immediately move the exposed person to fresh air.
- Apply artificial respiration if breathing has stopped.
- Keep the affected person warm and quiet.
- Get immediate medical attention.

INGESTION:
- Do not induce vomiting.
- Never cause an unconscious person to vomit.
- Get immediate medical attention.

DISPOSAL:

- Follow Provincial instructions for any required additional cleaning of the container prior to its disposal or reconditioning.
- Dispose of the container in accordance with provincial requirements.
- For information on the disposal of unused, unwanted product and the cleanup of spills, contact the regional office of the Environmental Protection Service, Environment Canada.
- For small spills: recover free liquid and soak up residue with solid absorbent. DO NOT FLUSH INTO SURFACE STREAMS. INFORM ENVIRONMENT CANADA. This product is toxic to fish. Do not contaminate water by cleaning of equipment or disposal of wastes.

NOTE:

All operation procedures must be consistent with the recommendations in the Environment Canada documents.

"Recommendations for the design and operations of creosote thermal treating wood preservation facilities" and "Recommendations for the design and operation of creosote pressure treating wood preservation facilities."

WARRANTY: We warrant this material to comply with our published specifications and to be of good merchantable quality and such as will regularly pass in the trade for goods within the description, and further warrant such goods to be fit for the normal purposes for which goods are used. We assume no responsibility that the goods concerned in this contract are fit for any particular purpose for which they are being bought outside of the general purposes of goods of the description.

OML 0311R02 9010

MADE IN USA

Koppers014448

Koppers Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800
Tel 412 227 2001
www.koppers.com

January 20, 2006

Ms. Kyla Townsend-McIntyre
Pesticides Programs (3WC32)
U.S. EPA - Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Subject: Pesticide Reports for Pesticide-Producing Establishments

Dear Ms. Townsend-McIntyre:

Enclosed are the 2005 Pesticide Reports for Pesticide-Producing Establishments (EPA Form 3540-16) for Koppers Inc plants located in:

Clairton, PA
Dolomite, AL
Follansbee, WV
Nyborg, Denmark
Portland, OR
Stickney, IL
Port Clarence, United Kingdom

The above forms are in compliance with Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (92 Stat. 829, 7 U.S.C. 136e).

Please be advised that the Company's name has been changed from Koppers Industries, Inc., to Koppers Inc. The addresses for the corporate headquarters as well as all reporting establishments remain the same. Let me know if you require anything additional to make this change to your records.

Please contact me at (412-227-2882) if you have any questions regarding the content of these forms.

Sincerely,

Michael H. Juba, MS CIH
Director of Global Product Safety & Health

Enclosures
Pesticide Establishment Reports

Bc: J. Dietz – K-16
W. Plovic – K-16
K. Fitzgerald – K-16
G. Traczek – Stickney
T. Shannon – Clairton
N. Weinstein – Follansbee
R. Rutledge – Woodward
T. J. Turner – Portland
B. Boddy – Pt. Clarence
K. Tonnesen - Nyborg

EPA

United States Environmental Protection Agency

FORM APPROVED OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.

Check here if Company name or Company HQ mailing address has changed [X]

1. Company Name: Koppers Inc.

Company HQ PO Box or Street: 436 Seventh Avenue - Suite 1800

2. City: Pittsburgh

3. State or Country: PA

4. Zip Code: 15219-1800

5. Telephone Number: 412-227-2882

8. EPA Est. No.: 000061-OR-001

KOPPERS ~~INDUSTRIES~~ INC.- PORTLAND
7540 NW ST HELENS RD
PORTLAND OR 97210

6. PRINT Name of Establishment Officer: K.J.Fitzgerald

7. PRINT Title: V.P. & Gen Mgr. Carbon Matls & Chemicals

14. Did Not Produce/Distribute in 2005. [XX]

15. Signature of Establishment Officer: Kenneth J. Fitzgerald

16. Date Signed: 1-20-06

PESTICIDE PRODUCTION INFORMATION

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) [ ]	18. EPA Product Registration Number
19. Product Name	20. Product Classification [ ]
21. Product Type [ ]	22. Market Sold To [ ]
23. Use Classification [ ]	24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units [ ]
25. Amount Produced, Repackaged or Relabeled Last Year	[2005]
26. Amount Sold or Distributed (**Not Commercially/Custom Applied**) Last Year - US	[2005]
27. Amount Sold or Distributed Last Year - Foreign	[2005]
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2006]

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) [ ]	18. EPA Product Registration Number
19. Product Name	20. Product Classification [ ]
21. Product Type [ ]	22. Market Sold To [ ]
23. Use Classification [ ]	24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units [ ]
25. Amount Produced, Repackaged or Relabeled Last Year	[2005]
26. Amount Sold or Distributed (**Not Commercially/Custom Applied**) Last Year - US	[2005]
27. Amount Sold or Distributed Last Year - Foreign	[2005]
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2006]

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) [ ]	18. EPA Product Registration Number
19. Product Name	20. Product Classification [ ]
21. Product Type [ ]	22. Market Sold To [ ]
23. Use Classification [ ]	24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units [ ]
25. Amount Produced, Repackaged, or Relabeled Last Year	[2005]
26. Amount Sold or Distributed (**Not Commercially/Custom Applied**) Last Year - US	[2005]
27. Amount Sold or Distributed Last Year - Foreign	[2005]
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2006]

CONTINUED ON ATTACHED SHEET ( )

EPA Reviewer	EPA Office	Postmark Date	Date Reviewed	Reporting Year 2005

EPA Form 3540-16 (Rev. 10-05) Previous editions are obsolete.

United States Environmental Protection Agency

FORM APPROVED OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.

Check here if Company name or Company HQ mailing address has changed ☐

1. Company Name:

Company HQ PO Box or Street:

2. City

3. State or Country | 4. Zip Code

5. Telephone Number

6. PRINT Name of Establishment Officer | 7. PRINT Title

8. EPA Est. No.

000061-OR-001

KOPPERS INDUSTRIES, INC.- PORTLAND
7540 NW ST HELENS RD
PORTLAND
OR 97210

14. Did Not Produce/Distribute in 2005. ☑

15. Signature of Establishment Officer | 16. Date Signed

PESTICIDE PRODUCTION INFORMATION

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐ | 18. EPA Product Registration Number

19. Product Name | 20. Product Classification ☐

21. Product Type ☐ | 22. Market Sold To ☐ | 23. Use Classification ☐ | 24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐

25. Amount Produced, Repackaged or Relabeled Last Year [2005]

26. Amount Sold or Distributed (**Not Commercially/Custom Applied**) Last Year - US [2005]

27. Amount Sold or Distributed Last Year - Foreign [2005]

28. Amount To Be Produced, Repackaged, Relabeled This Year [2006]

NO Production

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐ | 18. EPA Product Registration Number

19. Product Name | 20. Product Classification ☐

21. Product Type ☐ | 22. Market Sold To ☐ | 23. Use Classification ☐ | 24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐

25. Amount Produced, Repackaged or Relabeled Last Year [2005]

26. Amount Sold or Distributed (**Not Commercially/Custom Applied**) Last Year - US [2005]

27. Amount Sold or Distributed Last Year - Foreign [2005]

28. Amount To Be Produced, Repackaged, Relabeled This Year [2006]

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐ | 18. EPA Product Registration Number

19. Product Name | 20. Product Classification ☐

21. Product Type ☐ | 22. Market Sold To ☐ | 23. Use Classification ☐ | 24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐

25. Amount Produced, Repackaged, or Relabeled Last Year [2005]

26. Amount Sold or Distributed (**Not Commercially/Custom Applied**) Last Year - US [2005]

27. Amount Sold or Distributed Last Year - Foreign [2005]

28. Amount To Be Produced, Repackaged, Relabeled This Year [2006]

CONTINUED ON ATTACHED SHEET ( ) THIS IS PAGE ___ OF ___

EPA Reviewer	EPA Office	Postmark Date	Date Reviewed	Reporting Year 2005

EPA Form 3540-16 (Rev. 10-05) Previous editions are obsolete.

Kamerer Amos

From: Juba Mike

Sent: Wednesday, December 21, 2005 5:48 AM

To: Shannon Tim; Weinstein Nate; Turner TJ; Traczek Gregory; Rutledge Ron; Tønnesen, Kirsten H.; Boddy, Bryan P.; Witaszczyk Ana

Cc: Dietz Jim; Plovic Wayne; Kamerer Amos; Fitzgerald Kevin; Huschak Heath; Probst Kevin; Mancione Mike; Formstone, Ralph; Grausø, Louis

Subject: 2005 EPA Establishment Reports

Follow Up Flag: Follow up

Flag Status: Flagged

Attached are copies of the 2005 EPA Establishment Report Forms. Since the attachments are PDF files I would ask that you print the applicable form(s), **complete sections 25 thru 28 for each registered pesticide produced at your site** and return to my attention. I will complete the balance of the required information, consolidate all responses and make a singular filing with the Agency. **Do not send your completed forms to the EPA**. Copies of the completed submission will be provided for your files.

I have identified the following points of contact for responses. Please advise if I need to direct this to someone else.

Clairton - Tim Shannon - **(2005 projections provided to EPA included 12,000,000 gallons of Creosote Solution)**

Follansbee - Nate Weinstein - **(2005 projections provided to EPA included 4,000,000 gallons of Creosote Solution 1,000,000 gallons of Coal Tar Creosote and 1,000,000 gallons of Creosote Petroleum Solution)**

Woodward - Ron Rutledge - **(2005 projections provided to EPA included 271,391 gallons of Creosote Solution)**

Portland - TJ Turner - **(2005 projections provided to EPA assumed no production or storage/shipment)**

Stickney - Greg Traczek - **(2005 projections provided to EPA included 600,000 gallons of Creosote Solution and 14,200,000 gallons of Creosote Petroleum Solution)**

Port Clarence - Bryan Boddy - **(2005 projections provided to EPA included 4,236,940 gallons of Coal Tar Creosote)**

Nyborg - Kirsten Tonnesen - **(2005 projections provided to EPA included 2,882,190 gallons of Coal Tar Creosote)**

The following pesticide registrations were current **through the end of 2005**.

Coal Tar Creosote (Pressure Applications)	EPA Reg. No. 61468-1
Creosote Solution (Pressure Applications)	EPA Reg. No. 61468-3
Creosote-Manufacturing Use (Pressure Applications)	EPA Reg. No. 61468-6
Creosote Petroleum Solution (Pressure Applications)	EPA Reg. No. 61468-9

Recall that, effective January 2005 all non-pressure uses of creosote were cancelled. Our registration for Coal Tar Creosote (General Applications) - 61468-5 was cancelled and our manufacturing use registration (61468-6) was amended to cover formulations or repackaging for use in pressure treatment of wood.

NORTH AMERICAN LOCATIONS ONLY: I need confirmation regarding which plants produced Creosote Petroleum Solution, and Creosote - Manufacturing Use in 2005. I have listed zero plants for Creosote - Manufacturing Use and all but Portland for Creosote Petroleum Solution production in 2005.

Please complete the necessary information and return the forms to me before February 1, 2005. Thanks for your help!

Mike

==========

Michael H. Juba MS CIH
Global Product Safety and Health
Koppers Inc.
436 Seventh Avenue - Suite 1800
Pittsburgh, PA 15219-1800

412 227 2882 (phone) 412 227 2423 (fax)
jubamh@koppers.com
www.koppers.com

Koppers Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800
Tel 412 227 2001
www.koppers.com

January 24, 2005

Ms. Kyla Townsend-McIntyre
Pesticides Programs (3WC32)
U.S. EPA - Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Subject: Pesticide Reports for Pesticide-Producing Establishments

Dear Ms. Townsend-McIntyre:

You will find enclosed the 2004 Pesticide Report for Pesticide-Producing Establishments (EPA Form 3540-16) for the Koppers Inc plants located in:

Clairton, PA
Dolomite, AL
Follansbee, WV
Nyborg, Denmark
Portland, OR
Stickney, IL
Port Clarence, United Kingdom

The above forms are in compliance with Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (92 Stat. 829, 7 U.S.C. 136e).

Be advised that EPA Product Registration Number 61468-5 for Coal Tar Creosote (General Applications) has been voluntarily cancelled and will no longer be listed on future establishment reports.

Please contact me at (412-227-2882) if you have any questions regarding the contents of these forms.

Sincerely,

Michael H. Juba, CIH
Manager of Product Safety and
Director of Global Health

Enclosures
EPA Region 3

Bc: J. Dietz – K-16
G. Traczek – Stickney
W. Baumann – Stickney
T. Shannon – Clairton
N. Weinstein – Follansbee
R. Rutledge – Woodward
T. J. Turner – Portland
W. Plovic – K-16
D. Bachman – K-16
K. Fitzgerald – K-16
R. John – Pt. Clarence
G. Huckins – Pt. Clarence
P. Bech – Nyborg
K. Tonnesen – Nyborg
M. Williams - Scunthorpe

EPA

United States Environmental Protection Agency

FORM APPROVED OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.

Check here if Company name or Company HQ mailing address has changed ☐

1. Company Name: Koppers Inc.

Company HQ mailing address: 436 Seventh Avenue - Suite 1800

2. City Pittsburgh

3. State or Country PA

4. Zip Code 15219-1800

5. Telephone Number 412-227-2882

8. EPA Est. No. 000061-OR-001

ANNUAL

9. E KOPPERS INDUSTRIES, INC.- PORTLAND
7540 NW ST HELENS RD

10. PORTLAND OR 97210

11.

12. State or Country

13. Zip Code

6. PRINT Name of Establishment Officer K. J. Fitzgerald

7. PRINT Title V.P. & Gen. Mgr. Carbon Matls & Chemicals Division

14. Zero Production/Distribution? YES

15. Signature of Establishment Officer or US Agent Kevin J. Fitzgerald

16. Date Signed 1-26-05

PESTICIDE PRODUCTION INFORMATION

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐	18. EPA Product Registration Number: NO PRODUCTION
19. Product Name	20. Product Classification ☐ ☐
21. Product Type ☐	22. Market Sold To ☐
23. Use Classification ☐	24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐
25. Amount Produced, Repackaged or Relabeled Last Year	[2004]
26. Amount Sold or Distributed **(Not Commercially Applied)** Last Year - US	[2004]
27. Amount Sold or Distributed Last Year - Foreign	[2004]
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2005]

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐	18. EPA Product Registration Number
19. Product Name	20. Product Classification ☐ ☐
21. Product Type ☐	22. Market Sold To ☐
23. Use Classification ☐	24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐
25. Amount Produced, Repackaged or Relabeled Last Year	[2004]
26. Amount Sold or Distributed **(Not Commercially Applied)** Last Year - US	[2004]
27. Amount Sold or Distributed Last Year - Foreign	[2004]
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2005]

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐	18. EPA Product Registration Number
19. Product Name	20. Product Classification ☐ ☐
21. Product Type ☐	22. Market Sold To ☐
23. Use Classification ☐	24. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐
25. Amount Produced, Repackaged, or Relabeled Last Year	[2004]
26. Amount Sold or Distributed **(Not Commercially Applied)** Last Year - US	[2004]
27. Amount Sold or Distributed Last Year - Foreign	[2004]
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2005]

CONTINUED ON ATTACHED SHEET ( ) THIS IS PAGE 1 OF 1

EPA Reviewer	EPA Office	Postmark Date	Date Reviewed	Reporting Year **2004**

EPA Form 3540-16 (Rev. 08-01) Previous editions are obsolete.

Koppers Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800
Tel 412 227 2001
www.koppers.com

February 17, 2004

Ms. Kyla Townsend-McIntyre
Pesticides Programs (3WC32)
U.S. EPA - Region 3
1650 Arch Street
Philadelphia,, PA 19103-2029

Subject: Pesticide Reports for Pesticide-Producing Establishments

Dear Ms. Townsend-McIntyre:

You will find enclosed the 2003 Pesticide Report for Pesticide-Producing Establishments (EPA Form 3540-16) for the Koppers Inc plants located in:

Clairton, PA
Dolomite, AL
Follansbee, WV
Nyborg, Denmark
Portland, OR
Stickney, IL
Port Clarence, United Kingdom

The above forms are in compliance with Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (92 Stat. 829, 7 U.S.C. 136e).

Please contact me at (412-227-2882) if you have any questions regarding the contents of these forms.

Sincerely,

Michael H. Juba, CIH
Manager of Product Safety and
Director of Global Health

Enclosures
EPA Region 3

bc: J. Dietz - K-16
G. Traczek - Stickney
W. Baumann - Stickney
S. Lish - Clairton
N. Weinstein - Follansbee
R. Rutledge - Woodward
A. Kamerer - Portland
W. Plovic - K-16
D. Bachman - K-16
C. Kraynik - K-16
K. Fitzgerald - K-16
R. John - Pt.Clarence
G. Huckins - Pt.Clarence
P. Bech - Nyborg
K. Tonnesen - Nyborg
M. Williams - Scunthorpe

EPA

United States Environmental Protection Agency

FORM APPROVED OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.

1. Company Name & HQ mailing address: Koppers Inc. 436 Seventh Avenue - Suite 1600	8. EPA Est. No. 000061-OR-001 ANNUAL
2. City Pittsburgh	KOPPERS INDUSTRIES, INC.- PORTLAND 7540 NW ST HELENS RD PORTLAND OR 97210
3. State or Country PA / 4. Zip Code 15219	
5. Name of Establishment Officer K. J. Fitzgerald	
6. Title V:P. & General Mgr Carbon Materials & Chemicals Division / 7. Date (Mo., Day, Year) 2/24/04	
14. Telephone Number 412-227-2708	16.
15. Signature of Establishment Officer or US Agent [signature]	

PESTICIDE PRODUCTION INFORMATION

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐	18. EPA Product Registration Number: NO PRODUCTION			
19. Product Name			20. Product Classification ☐ ☐	
21. Product Type ☐	22. Market Sold To ☐	23. Use Classification ☐	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units ☐	
25. Amount Produced, Repackaged or Relabeled Last Year	[2003]			
26. Amount Sold or Distributed **(Not Custom Applied)** Last Year - US	[2003]			
27. Amount Sold or Distributed Last Year - Foreign	[2003]			
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2004]			

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐	18. EPA Product Registration Number			
19. Product Name			20. Product Classification ☐ ☐	
21. Product Type ☐	22. Market Sold To ☐	23. Use Classification ☐	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units ☐	
25. Amount Produced, Repackaged or Relabeled Last Year	[2003]			
26. Amount Sold or Distributed **(Not Custom Applied)** Last Year - US	[2003]			
27. Amount Sold or Distributed Last Year - Foreign	[2003]			
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2004]			

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19) ☐	18. EPA Product Registration Number			
19. Product Name			20. Product Classification ☐ ☐	
21. Product Type ☐	22. Market Sold To ☐	23. Use Classification ☐	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units ☐	
25. Amount Produced, Repackaged, or Relabeled Last Year	[2003]			
26. Amount Sold or Distributed **(Not Custom Applied)** Last Year - US	[2003]			
27. Amount Sold or Distributed Last Year - Foreign	[2003]			
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2004]			

CONTINUED ON ATTACHED SHEET ( ) THIS IS PAGE 1 OF 1

EPA Reviewer	EPA Office	Postmark Date	Date Reviewed	29. Reporting Year **2003**

EPA Form 3540-16 (Rev. 08-01) Previous editions are obsolete.

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001
Fax: (412) 227-2423

February 20, 2003

U.S. Environmental Protection Agency
Region 3
Attention: Ms. Kyla Townsend - McIntyre
Pesticides Programs (3WC32)
1650 Arch Street
Philadelphia, PA 19103-2029

UPS Tracking Number S 218 6973 082

RE: Pesticide Reports for Pesticide-Producing Establishments:
000061-IL-001
000061-AL-001
000061-OR-001
061468-PA-001
000061-WV-001
061468-DNK-001

Dear Ms. Townsend - McIntyre

It was a pleasure speaking with you this past week. You will find enclosed the 2002 Pesticide Report for Pesticide-Producing Establishments [EPA Form 3540-16 (Revised 08/01)] for Koppers Industries plants located in:

Stickney, Illinois
Dolomite, Alabama
Portland, Oregon
Clairton, Pennsylvania
Follansbee, West Virginia
Nyborg, Denmark

The above forms are in compliance with Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (92 Stat. 829, 7 U.S.C. 136e). You indicated that you would graciously forward the above reports to the approiate offices as necessary.

Please contact me at the number below if you have any questions regarding the contents of these forms.

Sincerely,

B. L. Allison III
Product Safety Specialist

Enclosure

Author's Direct Telephone 412-227-2424, Fax 412-227-2423, e-mail allisonbl@koppers.com

EPA

United Sates
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED
OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.

Koppers Industries, Inc. 436 Seventh Avenue, Suite 1600	8. EPA Est. No. 000061-OR -001 Annual
Pittsburgh	9. Establishment Name Koppers Industries, Inc. - Portland
PA 15219-1800	10. Site Address 7540 NW St. Helens Road
K. J. Fitzgerald	11. City Portland
Vice President & General Manager, Carbon Materials and Chemicals Division 7. Date *(Mo., Day, Year)*	12.State or Country OR 13. Zip Code 97210
412-227-2708	16.
15. Signature of Establishment Officer Kevin J Fitzgerald	

PESTICIDE PRODUCTION INFORMATION

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19)		18. EPA Product Registration Number	NO PRODUCTION
19. Product Name			20. Product Classification
21. Product Type	22. Market Sold To	23. Use Classification	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units
25. Amount Produced, Repackaged or Relabeled Last Year	[2002]		
26. Amount Sold or Distributed Last Year - US	[2002]		
27. Amount Sold or Distributed Last Year - Foreign	[2002]		
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2003]		

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19)		18. EPA Product Registration Number	
19. Product Name			20. Product Classification
21. Product Type	22. Market Sold To	23. Use Classification	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units
25. Amount Produced, Repackaged or Relabeled Last Year	[2002]		
26. Amount Sold or Distributed Last Year - US	[2002]		
27. Amount Sold or Distributed Last Year - Foreign	[2002]		
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2003]		

17. Product Code (If "4" and chemical, attach formulation per instructions. If "4" and Device, go to Item 19)		18. EPA Product Registration Number	
19. Product Name			20. Product Classification
21. Product Type	22. Market Sold To	23. Use Classification	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units
25. Amount Produced, Repackaged, or Relabeled Last Year	[2002]		
26. Amount Sold or Distributed Last Year - US	[2002]		
27. Amount Sold or Distributed Last Year - Foreign	[2002]		
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2003]		

CONTINUED ON ATTACHED SHEET ( ) THIS IS PAGE ____ OF ____

EPA Reviewer	EPA Office	Postmark Date	Date Reviewed	29. Reporting Year **2002**

EPA

United Sates
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED
OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.

1. Mailing Address	8. EPA Est. No. 000061-OR-001 ANNUAL KOPPERS INDUSTRIES, INC.- PORTLAND 7540 NW ST HELENS RD PORTLAND OR 97210
2. City	
3. State or Country / 4. Zip Code	
5. Name of Establishment Officer: B. L. Allison, III	
6. Title: Product Safety Specialist / 7. Date (Mo., Day, Year): 2/5/02	
14. Telephone Number: 412-227-2424	16. NO PRODUCTION
15. Signature of Establishment Officer: B Allison III	

PESTICIDE PRODUCTION INFORMATION

17. Product Code (If "4" and chemical, attatch formulation per instructions. If "4" and Device, go to Item 19)		18. EPA Product Registration Number		
19. Product Name			20. Product Classification	
21. Product Type	22. Market Sold To	23. Use Classification	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units	
25. Amount Produced, Repackaged or Relabeled Last Year	[2001]			
26. Amount Sold or Distributed Last Year - US	[2001]			
27. Amount Sold or Distributed Last Year - Foreign	[2001]			
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2002]			

17. Product Code (If "4" and chemical, attatch formulation per instructions. If "4" and Device, go to Item 19)		18. EPA Product Registration Number		
19. Product Name			20. Product Classification	
21. Product Type	22. Market Sold To	23. Use Classification	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units	
25. Amount Produced, Repackaged or Relabeled Last Year	[2001]			
26. Amount Sold or Distributed Last Year - US	[2001]			
27. Amount Sold or Distributed Last Year - Foreign	[2001]			
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2002]			

17. Product Code (If "4" and chemical, attatch formulation per instructions. If "4" and Device, go to Item 19)		18. EPA Product Registration Number		
19. Product Name			20. Product Classification	
21. Product Type	22. Market Sold To	23. Use Classification	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units	
25. Amount Produced, Repackaged, or Relabeled Last Year	[2001]			
26. Amount Sold or Distributed Last Year - US	[2001]			
27. Amount Sold or Distributed Last Year - Foreign	[2001]			
28. Amount To Be Produced, Repackaged, Relabeled This Year	[2002]			

CONTINUED ON ATTACHED SHEET ( ) THIS IS PAGE 1 OF 1

EPA Reviewer	EPA Office	Postmark Date or Report Received Date	Date Reviewed	29. Reporting Year 2001

EPA Form 3540-16 (Rev. 08-01) Previous editions are obsolete.

Koppers014460

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001

CERTIFIED LETTER – RETURN RECEIPT REQUESTED

February 19, 2001

U.S. EPA Region 3
Pesticide Programs (3WC32)
Attention: Kyla Townsend McIntyre
1650 Arch Street
Philadelphia, PA 19103-2062

RE: Pesticide Reports for Pesticide-Producing Establishments:
000061-IL-001
000061-AL-001
000061-OR-001
061468-PA-001
000061-WV-001

Dear Kyla:

Once again it was a pleasure speaking with you this past Friday. You will find enclosed the 2000 Pesticide Report for Pesticide-Producing Establishments [EPA Form 3540-16 (Revised 09/00)] for Koppers Industries plants located in:

Stickney, Illinois
Dolomite, Alabama
Portland, Oregon
Clairton, Pennsylvania
Follansbee, West Virginia

These forms are in compliance with Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (92 Stat. 829, 7 U.S.C. 136e).

Please contact me at the number below if you have any questions regarding the contents of these forms.

Sincerely,

B. L. Allison III
Product Safety Specialist

Attachments

Author's Direct Telephone 412-227-2424, Fax 412-227-2423, e-mail allisonbl@koppers.com

File FIF00035
J. T. Dietz – K 1650
M. J. Mancione – Stickney
S. E. Lish – Clairton
T. A. Golubic – Follansbee
N. H. Weinstein – Woodward
Amos Kamerer - Portland

RECEIVED
FEB 26 2001
KOPPERS INDS, INC.
PORTLAND OR

Author's Direct Telephone 412-227-2424, Fax 412-227-2423, e-mail allisonbl@koppers.com

EPA

United States
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED
OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.

1. Mailing Address: 7540 NW Saint Helens Road	8. EPA Est. No. 000061-OR-001
2. City: Portland	000061-OR-001 KOPPERS INDUSTRIES, INC.- PORTLAND 7540 NW ST HELENS RD PORTLAND OR 97210
3. State or Country: Oregon; 4. Zip Code: 97045	
5. Name of Establishment Officer: B. L. Allison III	
6. Title: Product Safety Specialist; 7. Date (Mo., Day, Year): 02/16/01	
14. Telephone Number: 412-227-2424	16. No Production
15. Signature of Establishment Officer: B L Allison	

PESTICIDE PRODUCTION INFORMATION

17. Product Code (If "4" attach chemical formulation per instructions): 1	18. EPA Product Registration Number: 61468-1
19. Product Name: Coal Tar Creosote (Pressure Applications)	20. Product Classification: 2 1
21. Product Type: 2	22. Market Sold To: 1
23. Use Classification: 1	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units: G
25. Amount Produced/Repackaged/Relabeled Last Year [2000]	-0-
26. Amount Sold/Distributed Last Year - US [2000]	-0-
27. Amount Sold/Distributed Last Year - Foreign [2000]	-0-
28. Amount To Be Produced/Repackaged/Relabeled This Year [2001]	-0-

17. Product Code (If "4" attach chemical formulation per instructions): 1	18. EPA Product Registration Number: 61468-5
19. Product Name: Coal Tar Creosote (General Applications)	20. Product Classification: 2 1
21. Product Type: 2	22. Market Sold To: 1
23. Use Classification: 1	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units: G
25. Amount Produced/Repackaged/Relabeled Last Year [2000]	-0-
26. Amount Sold/Distributed Last Year - US [2000]	-0-
27. Amount Sold/Distributed Last Year - Foreign [2000]	-0-
28. Amount To Be Produced/Repackaged/Relabeled This Year [2001]	-0-

17. Product Code (If "4" attach chemical formulation per instructions):	18. EPA Product Registration Number:
19. Product Name:	20. Product Classification:
21. Product Type:	22. Market Sold To:
23. Use Classification:	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units:
25. Amount Produced/Repackaged/Relabeled Last Year [2000]	
26. Amount Sold/Distributed Last Year - US [2000]	
27. Amount Sold/Distributed Last Year - Foreign [2000]	
28. Amount To Be Produced/Repackaged/Relabeled This Year [2001]	

CONTINUED ON ATTACHED SHEET ( ) THIS IS PAGE 1 OF 1

EPA Reviewer	EPA Office	Postmark Date or Report Received Date	Date Reviewed	29. Reporting Year 2000

EPA Form 3540-16 (Rev. 09-00) Previous editions are obsolete.

EPA

United States
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED
OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.

1. Mailing Address: 7540 NW Saint Helens Road	8. EPA Est. No.: 000061-OR-001
2. City: Portland	9. Establishment Name: Koppers Industries, Inc. - Portland
3. State or Country: Oregon; 4. Zip Code: 97045	10. Site Address: 7540 NW Saint Helens Road
5. Name of Establishment Officer: B.L. Allison III	11. City: Portland
6. Title: Product Safety Specialist; 7. Date (Mo., Day, Year): 1/17/2001	12. State or Country: Oregon; 13. Zip Code: 97210
14. Telephone Number: 412-227-2424	16.

15. Signature of Establishment Officer

PESTICIDE PRODUCTION INFORMATION

17. Product Code (If "4" attach chemical formulation per instructions): 1	18. EPA Product Registration Number: 61468-1		
19. Product Name: Coal Tar Creosote (Pressure Applications)		20. Product Classification: 2 1	
21. Product Type: 2	22. Market Sold To: 1	23. Use Classification: 1	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units: G
25. Amount Produced/Repackaged/Relabeled Last Year	[2000]	-0-	
26. Amount Sold/Distributed Last Year - US	[2000]	-0-	
27. Amount Sold/Distributed Last Year - Foreign	[2000]	-0-	
28. Amount To Be Produced/Repackaged/Relabeled This Year	[2001]	-0-	

17. Product Code (If "4" attach chemical formulation per instructions): 1	18. EPA Product Registration Number: 61468-5		
19. Product Name: Coal Tar Creosote (General Applications)		20. Product Classification: 2 1	
21. Product Type: 2	22. Market Sold To: 1	23. Use Classification: 1	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units: G
25. Amount Produced/Repackaged/Relabeled Last Year	[2000]	-0-	
26. Amount Sold/Distributed Last Year - US	[2000]	-0-	
27. Amount Sold/Distributed Last Year - Foreign	[2000]	-0-	
28. Amount To Be Produced/Repackaged/Relabeled This Year	[2001]	-0-	

17. Product Code (If "4" attach chemical formulation per instructions):	18. EPA Product Registration Number:		
19. Product Name:		20. Product Classification:	
21. Product Type:	22. Market Sold To:	23. Use Classification:	24. Unit of measure: P=Pound G=Gallons K= Kilograms L=Liters T=Tons U=Units:
25. Amount Produced/Repackaged/Relabeled Last Year	[2000]		
26. Amount Sold/Distributed Last Year - US	[2000]		
27. Amount Sold/Distributed Last Year - Foreign	[2000]		
28. Amount To Be Produced/Repackaged/Relabeled This Year	[2001]		

CONTINUED ON ATTACHED SHEET ( ) THIS IS PAGE ____ OF ____

EPA Reviewer	EPA Office	Postmark Date or Report Received Date	Date Reviewed	29. Reporting Year: 2000

EPA Form 3540-16 (Rev. 09-00) Previous editions are obsolete.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
ENFORCEMENT AND
COMPLIANCE ASSURANCE

DEC 4 2000

Re: 2000 Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Dear Facility Compliance Manager:

Enclosed are materials for your use in completing EPA Form 3540-16 and fulfilling the requirements of section 7 of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Under section 7 of FIFRA, each pesticide-producing/device-producing establishment must report production annually. Enclosed are: 1) the Pesticide Report for Pesticide-Producing/Device-Producing Establishment(s), [EPA Form 3540-16 (Rev. 05-99)]; 2) specific instructions for completing the form; and 3) labels for each of your establishment(s) that should be used to complete items 8-13 on the form (the forms now have a specific location for the labels). For the 2000 reporting year, your production data will be due March 1, 2001. You may be subject to enforcement action if you fail to submit these forms or submit them after March 1, 2001. You are required to report **even** if you produced no pesticides/devices during calendar year 2000.

In addition, we are providing a "Compliance Fact Sheet" giving you information on EPA activities and compliance requirements that may affect your company. I hope this information is helpful to you. If you have any questions regarding section 7 requirements, please contact your EPA Regional Office. A list of Regional Offices is included in the instructions in the enclosed package. Also, if you need additional copies of the form, you may photocopy it, or it is available at http://es.epa.gov/oeca/datasys/sstsys.html.

Sincerely yours,

Rick Colbert, Director
Agriculture and Ecosystems Division
Office of Compliance (2225A)

Enclosures

Koppers014465

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001

CERTIFIED LETTER – RETURN RECEIPT REQUESTED

February 15, 2000

U.S. EPA Region 3
Pesticides/Asbestos Programs and Enforcement Branch (3WC32)
Attention: Kyla Townsend M°Intyre
1650 Arch Street
Philadelphia, PA 19103-2062

RECEIVED
FEB 21 2000
KOPPERS INDS, INC.
PORTLAND OR

RE: Pesticide Reports for Pesticide-Producing Establishments:
000061-IL-001
000061-AL-001
000061-OR-001
061468-PA-001
000061-WV-001

Dear Kyla:

You will find enclosed the 1999 Pesticide Report for Pesticide-Producing Establishments [EPA Form 3540-16 (Revised 05/99)] for Koppers Industries plants located in:

Stickney, Illinois
Dolomite, Alabama
Portland, Oregon
Clairton, Pennsylvania
Follansbee, West Virginia

These forms are in compliance with Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (92 Stat. 829, 7 U.S.C. 136e).

Please contact me at the number below if you have any questions regarding the contents of these forms.

Sincerely,

B. L. Allison III
Product Safety Specialist

Attachments

File FIF00035

bcc: S. Lish - Foll/Clairton
M. Cilley - Stickney
A. Kamerer - Portland
R. Rutledge - Woodward

Author's Direct Telephone 412-227-2424, Fax 412-227-2423, e-mail B_Allison@koppers.com

United States
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED OMB NO. 2070-0078

EPA Use Only
A. Latitude
B. Longitude

Pesticide Report for Pesticide-Producing Establishments

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: *Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.*

1. EPA Est. No. 000061-OR-001

Site Address

2. Establishment Name	3. Street Address		
Koppers Industries, Inc - Portland	7540 NW Saint Helens Road		
4. City		5. State or Country	6. Zip Code
Portland		Oregon	97210

Mailing Address

7. Mailing Address	8. City	9. State or Country	10. Zip Code
7540 NW Saint Helens Road	Portland	Oregon	97210

11. Name of Establishment Officer	12. Title	13. Date (Mo., Day, Year)	14. Telephone Number
B. L. Allison III	Product Safety Specialist	2/16/2000	412-227-2424

15. Signature of Establishment Officer

PESTICIDE PRODUCTION INFORMATION

16. Product Code [1] (If "4" attach chemical formulation per instructions)
17. EPA Product Registration Number 61468-1
18. Product Name Coal Tar Creosote (Pressure Applications)
19. Product Classification [2] [1]
20. Product Type [2]
21. Market Produced For [1]
22. Use/Classification [1]
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units [G]
24. Amount Produced/Repackaged/Relabeled Last Year [1999] 10,333
25. Amount Sold/Distributed Last Year - US [1999] 10,333
26. Amount Sold/Distributed Last Year - Foreign [1999] -0-
27. Amount To Be Produced/Repackaged/Relabeled This Year [2000] -0-

16. Product Code [1] (If "4" attach chemical formulation per instructions)
17. EPA Product Registration Number 61468-5
18. Product Name Coal Tar Creosote (General Applications)
19. Product Classification [2] [1]
20. Product Type [2]
21. Market Produced For [1]
22. Use/Classification [1]
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units [G]
24. Amount Produced/Repackaged/Relabeled Last Year [1999] 170
25. Amount Sold/Distributed Last Year - US [1999] 170
26. Amount Sold/Distributed Last Year - Foreign [1999] -0-
27. Amount To Be Produced/Repackaged/Relabeled This Year [2000] -0-

16. Product Code [ ] (If "4" attach chemical formulation per instructions)
17. EPA Product Registration Number
18. Product Name
19. Product Classification [ ] [ ]
20. Product Type [ ]
21. Market Produced For [ ]
22. Use/Classification [ ]
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units [ ]
24. Amount Produced/Repackaged/Relabeled Last Year [1999]
25. Amount Sold/Distributed Last Year - US [1999]
26. Amount Sold/Distributed Last Year - Foreign [1999]
27. Amount To Be Produced/Repackaged/Relabeled This Year [2000]

CONTINUED ON ATTACHED SHEET [ ] THIS IS PAGE OF

EPA Use Only

28. EPA Reviewer	29. EPA Office	30. Postmark/Date Application Received	31. Date Reviewed	32. Reporting Year
				1999

EPA Form 3540-16 (Rev.(05/99) Previous editions are obsolete.

United States
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED OMB NO. 2070-0078

Pesticide Report for Pesticide-Producing Establishments

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, (7 U.S.C. 136e)

Note: *Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.*

EPA Use Only
A. Latitude
B. Longitude

1. EPA Est. No.

Site Address

2. Establishment Name

3. Street Address

4. City: Portland

5. State or Country

6. Zip Code

Mailing Address

7. Mailing Address

8. City

9. State or Country

10. Zip Code

11. Name of Establishment Officer

12. Title

13. Date (Mo., Day, Year)

14. Telephone Number

15. Signature of Establishment Officer

PESTICIDE PRODUCTION INFORMATION

16. Product Code: 1 (If "4" attach chemical formulation per instructions)

17. EPA Product Registration Number: 61468-1

18. Product Name: COAL TAR CREOSOTE (PRESSURE APPLICATIONS)

19. Product Classification: 2 1

20. Product Type: 2

21. Market Produced For: 1

22. Use/Classification: 1

23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units: G

24. Amount Produced/Repackaged/Relabeled Last Year [1999]: 10,333

25. Amount Sold/Distributed Last Year - US [1999]: 10,333

26. Amount Sold/Distributed Last Year - Foreign [1999]:

27. Amount To Be Produced/Repackaged/Relabeled This Year [2000]: 0

16. Product Code: 1 (If "4" attach chemical formulation per instructions)

17. EPA Product Registration Number: 61468-5

18. Product Name: CTC - (GENERAL APPLICATIONS)

19. Product Classification: 2 1

20. Product Type: 2

21. Market Produced For: 1

22. Use/Classification: 1

23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units: G

24. Amount Produced/Repackaged/Relabeled Last Year [1999]: 170

25. Amount Sold/Distributed Last Year - US [1999]: 170

26. Amount Sold/Distributed Last Year - Foreign [1999]:

27. Amount To Be Produced/Repackaged/Relabeled This Year [2000]: 0

16. Product Code: (If "4" attach chemical formulation per instructions)

17. EPA Product Registration Number:

18. Product Name:

19. Product Classification:

20. Product Type:

21. Market Produced For:

22. Use/Classification:

23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units:

24. Amount Produced/Repackaged/Relabeled Last Year [1999]:

25. Amount Sold/Distributed Last Year - US [1999]:

26. Amount Sold/Distributed Last Year - Foreign [1999]:

27. Amount To Be Produced/Repackaged/Relabeled This Year [2000]:

CONTINUED ON ATTACHED SHEET ☐ THIS IS PAGE OF

EPA Use Only

28. EPA Reviewer | 29. EPA Office | 30. Postmark/Date Application Received | 31. Date Reviewed | 32. Reporting Year: 1999

EPA Form 3540-16 (Rev. (05/99) Previous editions are obsolete.

Koppers014468

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

DEC - 3 1999.

OFFICE OF
ENFORCEMENT AND
COMPLIANCE ASSURANCE

Re: 1999 Pesticide Report for Pesticide-Producing Establishments

Dear Facility Compliance Manager:

Enclosed are materials for your use in completing EPA Form 3540-16 and fulfilling the requirements of section 7 of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). Under section 7 of FIFRA, each pesticide-producing establishment must report production annually. Enclosed are: 1) the Pesticide Report for Pesticide-Producing Establishment(s), [EPA Form 3540-16 (Rev. 05-99)]; 2) specific instructions for completing the form; and 3) labels for each of your establishment(s) that can be used to complete items 1-6 on the form. For the 1999 reporting year, your production data will be due March 1, 2000. You may be subject to enforcement action if you fail to submit these forms or submit after March 1, 2000. You are required to report even if you produced no pesticides during calendar year 1999.

In addition, we are providing a "Compliance Fact Sheet" giving you information on EPA activities and compliance requirements that may affect your company. I hope this information is helpful to you. If you have any questions regarding section 7 requirements, please contact your EPA Regional Office. A list of Regional Offices is included in the instructions in the enclosed package. Also, if you need additional copies of the form, you may photocopy it, or it is available at http://es.epa.gov/oeca/datasys/sstsys.html.

Sincerely yours,

Rick Colbert, Director
Agriculture and Ecosystems Division
Office of Compliance (2225A)

Enclosures

18

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on 100% Recycled Paper (40% Postconsumer)

United States
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED OMB NO. 2070-0078
APPROVAL EXPIRES 04-30-99

Pesticide Report for Pesticide-Producing Establishments

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as Amended, 7 U.S.C. 136e)

Note: *Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.*

1. EPA Est. No. 000061-OR-001

Site Address

2. Establishment Name: Koppers Industries, Inc.
3. Street Address: 7540 NW St. Helens Road
4. City: Portland
5. State or Country: OR
6. Zip Code: 97210

Mailing Address

7. Mailing Address: 7540 NW St.Helens Road
8. City: Portland
9. State or Country: OR
10. Zip Code: 97210

11. Name of Establishment Officer: John E. Marcinowski
12. Title: Manager, Community & Regulatory Programs
13. Date *(Mo., Day, Year)*: Feb. 15,1999
14. Telephone Number: 412-227-2884

15. Signature of Establishment Officer: [signature]

PESTICIDE PRODUCTION INFORMATION

16. Product Code: 1 *(If "4" attach chemical formulation per instructions)*
17. EPA Product Registration Number: 61468-1
18. Product Name: Coal Tar Creosote (Pressure Applications)
19. Product Classification: 2 1
20. Product Type: 2
21. Market Produced For: 1
22. Use/Classification: 1
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units: G
24. Amount Produced/Repackaged/Relabeled Last Year [1998]: 271,990
25. Amount Sold/Distributed Last Year - US [1998]: 271,990
26. Amount Sold/Distributed Last Year - Foreign [1998]:
27. Amount To Be Produced/Repackaged/Relabeled This Year [1999]: 9,000

16. Product Code: 1 *(If "4" attach chemical formulation per instructions)*
17. EPA Product Registration Number: 61468-5
18. Product Name: Coal Tar Creosote (General Applications)
19. Product Classification: 2 1
20. Product Type: 2
21. Market Produced For: 1
22. Use/Classification: 2
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units: G
24. Amount Produced/Repackaged/Relabeled Last Year [1998]: 550
25. Amount Sold/Distributed Last Year - US [1998]: 550
26. Amount Sold/Distributed Last Year - Foreign [1998]:
27. Amount To Be Produced/Repackaged/Relabeled This Year [1999]: 220

16. Product Code: *(If "4" attach chemical formulation per instructions)*
17. EPA Product Registration Number:
18. Product Name:
19. Product Classification:
20. Product Type:
21. Market Produced For:
22. Use/Classification:
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units:
24. Amount Produced/Repackaged/Relabeled Last Year [1998]:
25. Amount Sold/Distributed Last Year - US [1998]:
26. Amount Sold/Distributed Last Year - Foreign [1998]:
27. Amount To Be Produced/Repackaged/Relabeled This Year [1999]:

CONTINUED ON ATTACHED SHEET ☐ THIS IS PAGE 1 OF 1

EPA Use Only

28. EPA Reviewer	29. EPA Org.	30. Month/Day/Year Application Received	31. Date Reviewed	32. Reporting Year
				1998

EPA Form 3540-16 (Rev. 04-96) Previous editions are obsolete.

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001
Fax: (412) 227-2423

CERTIFIED LETTER - RETURN RECEIPT REQUESTED

Feb. 15, 1999

U.S. EPA Region 3 (3WC32)
Pesticides/Asbestos Programs & Enforcement Branch
1650 Arch Street
Philadelphia, PA 19103-2029
Attn: Lisa Donahue

RE: Pesticide Reports for Pesticide-Producing Establishments:

000061-AL-001	**000061-TX-001**
000061-IL-001	**000061-WV-001**
000061-OR-001	**061468-PA-001**

Dear Lisa:

You will find enclosed the 1998 pesticide establishment reports [EPA Form 3540-16 (Revised 04-96)] for Koppers Industries plants located in Dolomite, AL; Stickney, IL; Portland, OR; Houston, TX; Follansbee, WV; and Clairton, PA. (Note: The Koppers Houston plant did not produce any pesticides last year because it was closed, demolished and leveled to the ground.)

These forms are in compliance with Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (92 Stat. 829, 7 U.S.C. 136e).

Please contact me at (412) 227-2884 if you have any questions regarding the contents of these reports.

Sincerely,

John E. Marcinowski, Manager
Community & Regulatory Programs

Attachments

bcc: J. Morris - Woodward
M. Mancione - Stickney
T. Golubic - Follansbee
D. Wible - Clairton
S. Smith - K-1800
A. Kamerer - Portland
K. Fitzgerald - K-1600

United States
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED OMB NO. 2070-0078
APPROVAL EXPIRES 04-30-99

Pesticide Report for Pesticide-Producing Establishments

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as Amended, 7 U.S.C. 136e)

Note: *Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.*

EPA Use Only
A. Latitude
B. Longitude

1. EPA Est. No. 000061-OR-001

Site Address

2. Establishment Name: Koppers Industries, Inc.
3. Street Address: 7540 NW St. Helens Road
4. City: Portland
5. State or Country: OR
6. Zip Code: 97210

Mailing Address

7. Mailing Address: 7540 NW St.Helens Road
8. City: Portland
9. State or Country: OR
10. Zip Code: 97210

11. Name of Establishment Officer: John E. Marcinowski
12. Title: Manager, Community & Regulatory Programs
13. Date (Mo., Day, Year): Feb. 15,1999
14. Telephone Number: 412-227-2884
15. Signature of Establishment Officer: [signature]

PESTICIDE PRODUCTION INFORMATION

16. Product Code: 1 (If "4" attach chemical formulation per instructions)
17. EPA Product Registration Number: 61468-1
18. Product Name: Coal Tar Creosote (Pressure Applications)
19. Product Classification: 2 1
20. Product Type: 2
21. Market Produced For: 1
22. Use/Classification: 1
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units: G
24. Amount Produced/Repackaged/Relabeled Last Year [1998]: 271,990
25. Amount Sold/Distributed Last Year - US [1998]: 271,990
26. Amount Sold/Distributed Last Year - Foreign [1998]:
27. Amount To Be Produced/Repackaged/Relabeled This Year [1999]: 9,000

16. Product Code: 1 (If "4" attach chemical formulation per instructions)
17. EPA Product Registration Number: 61468-5
18. Product Name: Coal Tar Creosote (General Applications)
19. Product Classification: 2 1
20. Product Type: 2
21. Market Produced For: 1
22. Use/Classification: 2
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units: G
24. Amount Produced/Repackaged/Relabeled Last Year [1998]: 550
25. Amount Sold/Distributed Last Year - US [1998]: 550
26. Amount Sold/Distributed Last Year - Foreign [1998]:
27. Amount To Be Produced/Repackaged/Relabeled This Year [1999]: 220

16. Product Code: (If "4" attach chemical formulation per instructions)
17. EPA Product Registration Number:
18. Product Name:
19. Product Classification:
20. Product Type:
21. Market Produced For:
22. Use/Classification:
23. Unit of measure: P = Pound G = Gallons K = Kilograms L = Liters T = Tons U = Units:
24. Amount Produced/Repackaged/Relabeled Last Year [1998]:
25. Amount Sold/Distributed Last Year - US [1998]:
26. Amount Sold/Distributed Last Year - Foreign [1998]:
27. Amount To Be Produced/Repackaged/Relabeled This Year [1999]:

CONTINUED ON ATTACHED SHEET ☐ THIS IS PAGE 1 OF 1

EPA Use Only

28. EPA Reviewer	29. EPA Office	30. Establishment Type	31. Date Reviewed	32. Reporting Year
				1998

EPA Form 3540-16 (Rev. 04-96) Previous editions are obsolete.

RECEIVED

MAR - 1 1999

KOPPERS INDS, INC.
PORTLAND OR

KOPPERS INDUSTRIES

Koppers Industries, Inc.
1005 William Pitt Way
Pittsburgh, PA 15238

Telephone: (412) 826-3970
FAX: (412) 826-3999

CERTIFIED LETTER - RETURN RECEIPT REQUESTED

July 18, 1996

U.S. EPA Region III
Pesticide Section (3AT11)
841 Chestnut Street
Philadelphia, PA 19107

RE: Pesticide Reports For Pesticide-Producing Establishments:

000061-AL-001	**000061-TX-001**
000061-IL-001	**000061-WV-001**
000061-OR-001	**061468-PA-001**

Dear Sir:

You will find enclosed the 1995 pesticide establishment reports [EPA Form 3540-16 (Revised 04-96)] for Koppers Industries plants located in Dolomite, AL; Stickney, IL; Portland, OR; Houston, TX; Follansbee, WV; and Clairton, PA.

These forms are in compliance with Section 7 of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (92 Stat. 829, 7 U.S.C. 136e).

Please contact me at (412) 826-3967 if you have any questions regarding the contents of these reports.

Sincerely,

John E. Marcinowski, Manager
Product Safety and Compliance

Attachments

bcc: T.Golubic - Follansbee
W. Geels - Houston
A. Kamerer - Portland
D. Wible - Clairton
R. Morris - Woodward Tar
W. Turner - wo/att
L. Flaherty - wo/att

RECEIVED
JUL 22 1996
KOPPERS INDS., INC.
PORTLAND, OR

United States
Environmental Protection Agency
Washington, DC 20460

FORM APPROVED OMB NO. 2070-0078
APPROVAL EXPIRES 04-30-99

Pesticide Report for Pesticide-Producing Establishments

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as Amended, 7 U.S.C. 136e)

Note: *Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as business confidential.*

(EPA Use Only)
A. Latitude
B. Longitude

1. EPA Est. No. 000061-OR-001

Site Address

2. Establishment Name: Koppers Industries, Inc. - Portland
3. Street Address: 7540 NW St.Helens Road
4. City: Portland
5. State or Country: OR
6. Zip Code: 97210

Mailing Address

7. Mailing Address: 7540 NW St.Helens Road
8. City: Portland
9. State or Country: OR
10. Zip Code: 97210

11. Name of Establishment Officer: John E. Marcinowski
12. Title: Manager, Product Safety & Compliance
13. Date (Mo., Day, Year): 7/15/96
14. Telephone Number: (412) 826-3967

15. Signature of Establishment Officer: [signature]

PESTICIDE PRODUCTION INFORMATION

16. Product Code: 1 (If "4" attach chemical formulation per instructions)	17. EPA Product Registration Number: 61468-1				
18. Product Name: Coal Tar Creosote (Pressure Applications)				19. Product Classification: 2 1	
20. Product Type: 2	21. Market Produced For: 1	22. Use/Classification: 1	23. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units: G		
24. Amount Produced/Repackaged/Relabeled Last Year	[1995]	290,429			
25. Amount Sold/Distributed Last Year - US	[1995]	232,518			
26. Amount Sold/Distributed Last Year - Foreign	[1995]	57,111			
27. Amount To Be Produced/Repackaged/Relabeled This Year	[1996]	275,000			

16. Product Code: 1 (If "4" attach chemical formulation per instructions)	17. EPA Product Registration Number: 61468-5				
18. Product Name: Coal Tar Creosote (General Applications)				19. Product Classification: 2 1	
20. Product Type: 2	21. Market Produced For: 1	22. Use/Classification: 2	23. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units: G		
24. Amount Produced/Repackaged/Relabeled Last Year	[1995]	750			
25. Amount Sold/Distributed Last Year - US	[1995]	750			
26. Amount Sold/Distributed Last Year - Foreign	[1995]	0			
27. Amount To Be Produced/Repackaged/Relabeled This Year	[1996]	750			

16. Product Code: (If "4" attach chemical formulation per instructions)	17. EPA Product Registration Number:				
18. Product Name:				19. Product Classification:	
20. Product Type:	21. Market Produced For:	22. Use/Classification:	23. Unit of measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units:		
24. Amount Produced/Repackaged/Relabeled Last Year	[1995]				
25. Amount Sold/Distributed Last Year - US	[1995]				
26. Amount Sold/Distributed Last Year - Foreign	[1995]				
27. Amount To Be Produced/Repackaged/Relabeled This Year	[1996]				

(EPA Use Only) CONTINUED ON ATTACHED SHEET ☐ THIS IS PAGE OF

28. EPA Reviewer	29. EPA Office	30. Postmark/Date Application Received	31. Date Reviewed	32. Reporting Year
				1995

EPA Form 3540-16 (Rev. 04-96) Previous editions are obsolete.

bcc:

J. R. Batchelder - K-1700 (letter only)
L. F. Flaherty - K-1750 (" ")
G. E. Trent - Chicago (letter & Chicago form)
P. W. Heal - Houston (" " Houston ")
T. A. Golubic - Follansbee(" " Follansbee ")
J. A. Oxford - Portland (" " Portland ")
D. E. Meadows - Montgomery(" " Montgomery ")
R. J. Morris - Dolomite (" " Dolomite ")

RECEIVED
FEB 2 0 1992
KOPPERS INDS., INC.
PORTLAND, OR

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001
Fax: (412) 227-2423

CERTIFIED LETTER - RETURN RECEIPT REQUESTED

February 18, 1992

U.S. EPA Region III
Pesticide Section (3AT32)
841 Chestnut Street
Philadelphia, PA 19107

RE: Pesticide Reports For Pesticide-Producing Establishments-

000061-AL-001	000061-OR-001
000061-AL-002	000061-TX-001
000061-IL-001	000061-WV-001

Dear Sir:

Enclosed are the 1991 Pesticide Establishment Reports for Koppers Industries, Inc. plants in Dolomite, AL; Montgomery, AL; Chicago, IL; Portland, OR; Houston, TX and Follansbee, WV.

The Koppers Montgomery plant is no longer a pesticide-producing establishment. Therefore, Koppers requests the cancellation of the EPA Est. No. 000061-AL-002 so that continued annual reporting will no longer be necessary for this plant.

Please contact me at (412) 227-2884 if you have any questions regarding the contents of these reports.

Sincerely,

John E. Marcinowski, Manager
Labeling & Regulatory Programs

Form designed for use with elite (12-pitch) typewriter.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Pesticides Report For Pesticide-Producing Establishments

EPA

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 92 Stat. 829)

NOTE: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as BUSINESS CONFIDENTIAL.

Form Approved. OMB No. 2070-0078
Approval expires 9-30-92 PAGE 1 OF 1

6. Establishment Duns Number: 02-773-4359

7. EPA Establishment Number: 000061-OR-001

8. EPA Establishment SIC Codes: 2865

ESTABLISHMENT NAME AND MAILING ADDRESS

1. Establishment Name: KOPPERS INDUSTRIES, INC.- PORTLAND
2. Street Name and Number or Postal Number: 7540 NW ST HELENS RD
3. City: PORTLAND
4. State: OR
5. ZIP Code: 97210

ESTABLISHMENT SITE ADDRESS

9. Street Name: 7540 NW ST HELENS RD
10. City: PORTLAND
11. State: OR
12. ZIP Code: 97210
13. Signature of Establishment Officer: John E. Marcinowski
14. Title: Manager, Labeling and Regulatory Programs
15. Date (mo/day/yr): 0 2 1 8 9 2
16. Telephone: (412) 227-2884

PESTICIDE PRODUCTION INFORMATION

A

17. Product Code: 1
18. EPA Product Registration Number: 6 1 4 6 8 - 1
19. Product Name: COAL TAR CREOSOTE (PRESSURE APPLICATIONS)
20. Product Classification: 0 2
21. Product Type: 2
21a. Specific Gravity (Liquids Only) stated as: ● 1 . 0 7 0 Kgs/Liter, or ● Lbs/Gal
22. Market Produced For: 2
23. Use Classification: 1
24. Amount Produced Last Year [1991]: 9,092,488
25. Amount to be Produced This Year [1992]: 21,000,000
26. Amount Sold/Distributed Last Year [1991] ●US: 15,543
●Foreign: 250
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units: G

B

17. Product Code: 1
18. EPA Product Registration Number: 6 1 4 6 8 - 5
19. Product Name: COAL TAR CREOSOTE (GENERAL APPLICATIONS)
20. Product Classification: 0 2
21. Product Type: 2
21a. Specific Gravity (Liquids Only) stated as: ● 1 . 0 8 0 Kgs/Liter, or ● Lbs/Gal
22. Market Produced For: 2
23. Use Classification: 2
24. Amount Produced Last Year [1991]: 15,000
25. Amount to be Produced This Year [1992]: 15,000
26. Amount Sold/Distributed Last Year [1991] ●US: 14,700
●Foreign: 000
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units: G

C

17. Product Code:
18. EPA Product Registration Number: -
19. Product Name:
20. Product Classification:
21. Product Type:
21a. Specific Gravity (Liquids Only) stated as: ● Kgs/Liter, or ● Lbs/Gal
22. Market Produced For:
23. Use Classification:
24. Amount Produced Last Year [1991]:
25. Amount to be Produced This Year [1992]:
26. Amount Sold/Distributed Last Year [1991] ●US:
●Foreign:
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units:

D

17. Product Code:
18. EPA Product Registration Number: -
19. Product Name:
20. Product Classification:
21. Product Type:
21a. Specific Gravity (Liquids Only) stated as: ● Kgs/Liter, or ● Lbs/Gal
22. Market Produced For:
23. Use Classification:
24. Amount Produced Last Year [1991]:
25. Amount to be Produced This Year [1992]:
26. Amount Sold/Distributed Last Year [1991] ●US:
●Foreign:
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units:

E

17. Product Code:
18. EPA Product Registration Number: -
19. Product Name:
20. Product Classification:
21. Product Type:
21a. Specific Gravity (Liquids Only) stated as: ● Kgs/Liter, or ● Lbs/Gal
22. Market Produced For:
23. Use Classification:
24. Amount Produced Last Year [1991]:
25. Amount to be Produced This Year [1992]:
26. Amount Sold/Distributed Last Year [1991] ●US:
●Foreign:
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units:

FOR EPA USE ONLY Continued on Attached Sheet ☐

28. Signature	29. EPA Office	30. Date Received	31. Date Reviewed	32. Reporting Year
				1991

DISTRIBUTION:

J. R. BATCHELDER - K-1701 (LETTER ONLY)

L. F. FLAHERTY - K-1750 (LETTER ONLY)

K. J. FITZGERALD - HOUSTON (TX-001)

T. A. GOLUBIC - FOLLANSBEE (WV-001)

D. E. MEADOWS - MONTGOMERY (AL-002)

R. J. MORRIS - WOODWARD TAR (AL-001)

J. A. OXFORD - PORTLAND (OR-001)

G. E. TRENT - CHICAGO (IL-001)

RECEIVED
FEB 11 1991
KOPPERS INDS., INC.
PORTLAND, OR

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001
FAX: (412) 227-2423

CERTIFIED MAIL, RETURN-RECEIPT REQUESTED

February 4, 1991

Environmental Protection Agency
Region III, Pesticides Office
841 Chestnut Bldg. (3HW42)
Philadelphia, PA 19107

RE: Pesticide Reports For Pesticide-Producing Establishments

00061-AL-001	00061-OR-001
00061-AL-002	00061-TX-001
00061-IL-001	00061-WV-001

Gentlemen:

Enclosed are the Pesticide Establishment Reports for Koppers Industries plants in Dolomite, AL; Montgomery, AL; Chicago, IL; Portland, OR; Houston, TX; Follansbee, WV and an uncompleted form for a Koppers Company plant in Youngstown, OH. The Youngstown Plant was acquired by Beazer Materials & Services, 436 Seventh Ave., Pittsburgh, PA 15219, in 1988 and should be removed from Koppers Industries, Inc. files as a pesticide producing establishment.

Please contact me at (412) 227-2884 if you have any questions regarding the contents of these forms.

Sincerely,

John E. Marcinowski, Manager
Labeling & Regulatory Programs

Form designed for use with elite (12-pitch) typewriter.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Pesticides Report For Pesticide-Producing Establishments

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 92 Stat. 829)

NOTE: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as BUSINESS CONFIDENTIAL.

Form Approved. OMB No. 2070-0078
Approval expires 6-30-91 PAGE 1 OF 1

6. Establishment Duns Number: 02-773-4359

7. EPA Establishment Number: 00061-OR-001

8. EPA Establishment SIC Codes: 5161

ESTABLISHMENT NAME AND MAILING ADDRESS

1. Establishment Name	2. Street Name and Number or Postal Number		
KOPPERS INDUSTRIES, INC.- PORTLAND	7540 NW ST HELENS RD		
3. City	4. State	5. ZIP Code	
PORTLAND	OR	97210	

ESTABLISHMENT SITE ADDRESS

9. Street Name	10. City	11. State	12. ZIP Code
7540 NW ST HELENS RD	PORTLAND	OR	97210
13. Signature of Establishment Officer	14. Title	15. Date (mo/day/yr)	16. Telephone
JOHN E. MARCINOWSKI	MANAGER LABELING & REGULATORY PROGRAMS	0 2 0 4 9 1	(412) 227-2884

PESTICIDE PRODUCTION INFORMATION

A

17. Product Code: 1 — 18. EPA Product Registration Number: 6 1 4 6 8 - 1

19. Product Name: COAL TAR CREOSOTE

20. Product Classification: 0 2 — 21. Product Type: 2 — 21a. Specific Gravity (Liquids Only) stated as: 1 . 0 7 0 Kgs/Liter or XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: 2 — 23. Use Classification: 1

24. Amount Produced Last Year [1990]		2 1 5 8 2 9 2	27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units: G
25. Amount to be Produced This Year [1991]		2 2 2 5 0 0 0	
26. Amount Sold/Distributed Last Year [1990]	●US	1 8 7 2 3 3 9	●Foreign 1 1 3 2 2

B

17. Product Code: — 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: — 21. Product Type: — 21a. Specific Gravity (Liquids Only) stated as: XXXXXX ● . XXXXXXXXXXXXXXXX Kgs/Liter or Lbs/Gal

22. Market Produced For: — 23. Use Classification:

24. Amount Produced Last Year [1990]			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units:
25. Amount to be Produced This Year [1991]			
26. Amount Sold/Distributed Last Year [1990]	●US		●Foreign

C

17. Product Code: — 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: — 21. Product Type: — 21a. Specific Gravity (Liquids Only) stated as: XXXXXX ● . XXXXXXXXXXXXXXXX Kgs/Liter or Lbs/Gal

22. Market Produced For: — 23. Use Classification:

24. Amount Produced Last Year [1990]			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units:
25. Amount to be Produced This Year [1991]			
26. Amount Sold/Distributed Last Year [1990]	●US		●Foreign

D

17. Product Code: — 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: — 21. Product Type: — 21a. Specific Gravity (Liquids Only) stated as: XXXXXX ● . XXXXXXXXXXXXXXXX Kgs/Liter or Lbs/Gal

22. Market Produced For: — 23. Use Classification:

24. Amount Produced Last Year [1990]			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units:
25. Amount to be Produced This Year [1991]			
26. Amount Sold/Distributed Last Year [1990]	●US		●Foreign

E

17. Product Code: — 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: — 21. Product Type: — 21a. Specific Gravity (Liquids Only) stated as: XXXXXX ● . XXXXXXXXXXXXXXXX Kgs/Liter or Lbs/Gal

22. Market Produced For: — 23. Use Classification:

24. Amount Produced Last Year [1990]			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units:
25. Amount to be Produced This Year [1991]			
26. Amount Sold/Distributed Last Year [1990]	●US		●Foreign

FOR EPA USE ONLY

Continued on Attached Sheet ☐

28. Signature	29. EPA Office	30. Date Received	31. Date Reviewed	32. Reporting Year

bcc: J. A. Oxford - Portland (with attachment)
L. F. Flaherty - K-1750 (without attachment)

Koppers014482

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001

CERTIFIED MAIL, RETURN-RECEIPT REQUESTED

February 21, 1990

Environmental Protection Agency
Region X, Pesticides Office
1200 Sixth Avenue (AT-093)
Seattle, WA 98101

RE: Pesticide Report For Pesticide-Producing Establishment
00061-OR-001

Gentlemen:

Enclosed is the Pesticide Establishment Report for Koppers Plant in Portland, Oregon.

Please contact me at your convenience if further information or assistance is required on this report. My telephone number is (412) 227-2884.

Sincerely,

John E. Marcinowski, Manager
Labeling & Regulatory Programs

JEM/ljf

Form designed for use with elite (12-pitch) typewriter.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Pesticides Report For Pesticide-Producing Establishments

EPA

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 92 Stat. 829)

NOTE: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as BUSINESS CONFIDENTIAL.

Form Approved. OMB No. 2070-0078
Approval expires 6-30-91

6. Establishment Duns Number: 02-773-4359
7. EPA Establishment Number: 00061-OR-001
8. EPA Establishment SIC Codes: 5161

ESTABLISHMENT NAME AND MAILING ADDRESS

1. Establishment Name: KOPPERS INDUSTRIES, INC.- PORTLAND
2. Street Name and Number or Postal Number: 7540 N W STREET HELENS ROAD
3. City: PORTLAND
4. State: OR
5. ZIP Code: 97229

ESTABLISHMENT SITE ADDRESS

9. Street Name: 7540 N W STREET HELENS ROAD
10. City: PORTLAND
11. State: OR
12. ZIP Code: 97229
13. Signature of Establishment Officer: JOHN E. MARCINOWSKI
14. Title: MGR, LABELING & REGULATORY PROGRAMS
15. Date (mo/day/yr): 0 2 2 2 9 0
16. Telephone: 412-227-2884

PESTICIDE PRODUCTION INFORMATION

A

17. Product Code: 1
18. EPA Product Registration Number: 61468-1
19. Product Name: COAL TAR CREOSOTE
20. Product Classification: 02
21. Product Type: 2
21a. Specific Gravity (Liquids Only): 1.070
22. Market Produced For: 2
23. Use Classification: 2
24. Amount Produced Last Year (1989): 1965238
25. Amount to be Produced This Year (1990): 2000000
26. Amount Sold/Distributed Last Year (1989): US 2184564; Foreign 96116
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units: G

B

17. Product Code
18. EPA Product Registration Number
19. Product Name
20. Product Classification
21. Product Type
21a. Specific Gravity (Liquids Only)
22. Market Produced For
23. Use Classification
24. Amount Produced Last Year (1989)
25. Amount to be Produced This Year (1990)
26. Amount Sold/Distributed Last Year (1989) US; Foreign
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units

C

17. Product Code
18. EPA Product Registration Number
19. Product Name
20. Product Classification
21. Product Type
21a. Specific Gravity (Liquids Only)
22. Market Produced For
23. Use Classification
24. Amount Produced Last Year (1989)
25. Amount to be Produced This Year (1990)
26. Amount Sold/Distributed Last Year (1989) US; Foreign
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units

D

17. Product Code
18. EPA Product Registration Number
19. Product Name
20. Product Classification
21. Product Type
21a. Specific Gravity (Liquids Only)
22. Market Produced For
23. Use Classification
24. Amount Produced Last Year (1989)
25. Amount to be Produced This Year (1990)
26. Amount Sold/Distributed Last Year (1989) US; Foreign
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units

E

17. Product Code
18. EPA Product Registration Number
19. Product Name
20. Product Classification
21. Product Type
21a. Specific Gravity (Liquids Only)
22. Market Produced For
23. Use Classification
24. Amount Produced Last Year (1989)
25. Amount to be Produced This Year (1990)
26. Amount Sold/Distributed Last Year (1989) US; Foreign
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units

FOR EPA USE ONLY — Continued on Attached Sheet ☐

28. Signature	29. EPA Office	30. Date Received	31. Date Reviewed	32. Reporting Year
				1989

MPORTANT: Before completing this form, carefully read the accompanying instructions. TYPE or PRINT. Form Approved OMB 2070-0070 Approval expires 6-91

EPA

US Environmental Protection Agency
Partial Updating of TSCA Inventory Data Base
Production and Site Report
(Section 8(a) Toxic Substances Control Act 15 USC 2607)

FORM **U**

1990

REPORT NUMBER
60800430

Certification Statement: I hereby certify to the best of my knowledge and belief that (1) all information entered on this form is complete and accurate, and (2) the confidentiality statements on the back of this form are true as to that information for which I have asserted a confidentiality claim.

SIGNATURE	DATE	NAME/TITLE (Type or Print)
	1-22-91	JOHN A OXFORD / PLANT MANAGER

TECHNICAL CONTACT NAME: J.E. MCFADDEN

COMPANY NAME: KOPPERS INDUSTRIES INC — CBI:

COMPANY ADDRESS I: 1005 WILLIAM PITT WAY

COMPANY ADDRESS II: 436 7TH AVE PITTSBURGH PA 15219

CITY: PITTSBURGH — STATE: PA

ZIP CODE: 15238 - 1362 — TELEPHONE (w/Area Code): 412-826-3973

PLANT SITE NAME: NORTHWEST PLANT

DUN & BRADSTREET NUMBER: 02 - 773 - 4359

PLANT SITE STREET ADDRESS I: 7540 NW ST HELENS RD

PLANT SITE STREET ADDRESS II: N/A

CITY: PORTLAND — STATE: OR

ZIP CODE: 97210 - 3663

CHEMICAL SUBSTANCE IDENTITY/ACTIVITY/CONFIDENTIALITY

A.	B. Identifying Number	C. ID CODE (See back of form)	D. Activity M or I	CBI	E. Site Limited	CBI	F. Production Volume in Pounds	CBI	G. Plant CBI	Chemical CBI
1	65996-93-2	C	I				14,464,560			
	H. Specific Chemical Name: COAL TAR PITCH									
2										
	H. Specific Chemical Name									
3										
	H. Specific Chemical Name									
4										
	H. Specific Chemical Name									
5										
	H. Specific Chemical Name									
6										
	H. Specific Chemical Name									
7										
	H. Specific Chemical Name									
8										
	H. Specific Chemical Name									
9										
	H. Specific Chemical Name									
10										
	H. Specific Chemical Name									

Form designed for use with elite (12-pitch) typewriter.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Pesticides Report For Pesticide-Producing Establishments

EPA

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 92 Stat. 829)

NOTE: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as BUSINESS CONFIDENTIAL.

Form Approved. OMB No. 2070-0078
Approval expires 6-30-91 PAGE 1 OF 1

6. Establishment Duns Number: 02-773-4359

7. EPA Establishment Number: 00061-OR-001

8. EPA Establishment SIC Codes: 5161

ESTABLISHMENT NAME AND MAILING ADDRESS

1. Establishment Name	2. Street Name and Number or Postal Number	3. City	4. State	5. ZIP Code
KOPPERS INDUSTRIES, INC.- PORTLAND	7540 NW ST HELENS RD	PORTLAND	OR	97210

ESTABLISHMENT SITE ADDRESS

9. Street Name	10. City	11. State	12. ZIP Code
7540 NW ST HELENS RD	PORTLAND	OR	97210

13. Signature of Establishment Officer	14. Title	15. Date (mo/day/yr)	16. Telephone
JOHN A OXFORD	PLANT MANAGER	01 22 91	286-3681

PESTICIDE PRODUCTION INFORMATION

A

17. Product Code: ☐ 18. EPA Product Registration Number: 64 68 -1

19. Product Name: COAL TAR CREOSOTE

20. Product Classification: 02 21. Product Type: 2 21a. Specific Gravity (Liquids Only) stated as: ● 1.07 Kgs/Liter or ○ XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: 2 23. Use Classification: 1

			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units
24. Amount Produced Last Year [1990]	215829		G
25. Amount to be Produced This Year [1991]	225000		
26. Amount Sold/Distributed Last Year [1990]	●US 187239	○Foreign 1132	

B

17. Product Code: ☐ 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: ☐☐ 21. Product Type: ☐ 21a. Specific Gravity (Liquids Only) stated as: ● . Kgs/Liter or ○ XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: ☐ 23. Use Classification: ☐

			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units
24. Amount Produced Last Year [1990]			☐
25. Amount to be Produced This Year [1991]			
26. Amount Sold/Distributed Last Year [1990]	●US	○Foreign	

C

17. Product Code: ☐ 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: ☐☐ 21. Product Type: ☐ 21a. Specific Gravity (Liquids Only) stated as: ● . Kgs/Liter or ○ XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: ☐ 23. Use Classification: ☐

			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units
24. Amount Produced Last Year [1990]			☐
25. Amount to be Produced This Year [1991]			
26. Amount Sold/Distributed Last Year [1990]	●US	○Foreign	

D

17. Product Code: ☐ 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: ☐☐ 21. Product Type: ☐ 21a. Specific Gravity (Liquids Only) stated as: ● . Kgs/Liter or ○ XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: ☐ 23. Use Classification: ☐

			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units
24. Amount Produced Last Year [1990]			☐
25. Amount to be Produced This Year [1991]			
26. Amount Sold/Distributed Last Year [1990]	●US	○Foreign	

E

17. Product Code: ☐ 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: ☐☐ 21. Product Type: ☐ 21a. Specific Gravity (Liquids Only) stated as: ● . Kgs/Liter or ○ XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: ☐ 23. Use Classification: ☐

			27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units
24. Amount Produced Last Year [1990]			☐
25. Amount to be Produced This Year [1991]			
26. Amount Sold/Distributed Last Year [1990]	●US	○Foreign	

FOR EPA USE ONLY Continued on Attached Sheet ☐

28. Signature	29. EPA Office	30. Date Received	31. Date Reviewed	32. Reporting Year
				1990

EPA Form 3540-16 (Rev. 6-89) Previous editions are obsolete.

Designed for use with elite (12-pitch) typewriter.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Pesticides Report For Pesticide-Producing Establishments

EPA

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 92 Stat. 829)

NOTE: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as BUSINESS CONFIDENTIAL.

Form Approved. OMB No. 2070-0078
Approval expires 6-30-91

6. Establishment Duns Number: 02-773-4359

7. EPA Establishment Number: 00061-OR-001

8. EPA Establishment SIC Codes: 5161

ESTABLISHMENT NAME AND MAILING ADDRESS

1. Establishment Name	2. Street Name and Number or Postal Number		
KOPPERS INDUSTRIES, INC.- PORTLAND	7540 N W STREET HELENS ROAD		
3. City	4. State	5. ZIP Code	
PORTLAND	OR	97229	

ESTABLISHMENT SITE ADDRESS

9. Street Name	10. City	11. State	12. ZIP Code
7540 N W STREET HELENS ROAD	PORTLAND	OR	97229
13. Signature of Establishment Officer	14. Title	15. Date (mo/day/yr)	16. Telephone
JOHN E. MARCINOWSKI	MGR, LABELING & REGULATORY PROGRAMS	02/22/90	412-227-2884

PESTICIDE PRODUCTION INFORMATION

A

17. Product Code: 1
18. EPA Product Registration Number: 61468-1
19. Product Name: COAL TAR CREOSOTE
20. Product Classification: 02
21. Product Type: 2
21a. Specific Gravity (Liquids Only) stated as: ● 1.070 kg/Liter or Lbs/Gal
22. Market Produced For: 2
23. Use Classification: 1

24. Amount Produced Last Year (1989)	19652388	27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	G
25. Amount to be Produced This Year (1990)	20000000		
26. Amount Sold/Distributed Last Year (1989) ●US	18456454	●Foreign	9611 6

B

17. Product Code:
18. EPA Product Registration Number:
19. Product Name:
20. Product Classification:
21. Product Type:
21a. Specific Gravity (Liquids Only) stated as: ● kg/Liter or Lbs/Gal
22. Market Produced For:
23. Use Classification:

24. Amount Produced Last Year (1989)		27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	
25. Amount to be Produced This Year (1990)			
26. Amount Sold/Distributed Last Year (1989) ●US		●Foreign	

C

17. Product Code:
18. EPA Product Registration Number:
19. Product Name:
20. Product Classification:
21. Product Type:
21a. Specific Gravity (Liquids Only) stated as: ● kg/Liter or Lbs/Gal
22. Market Produced For:
23. Use Classification:

24. Amount Produced Last Year (1989)		27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	
25. Amount to be Produced This Year (1990)			
26. Amount Sold/Distributed Last Year (1989) ●US		●Foreign	

D

17. Product Code:
18. EPA Product Registration Number:
19. Product Name:
20. Product Classification:
21. Product Type:
21a. Specific Gravity (Liquids Only) stated as: ● kg/Liter or Lbs/Gal
22. Market Produced For:
23. Use Classification:

24. Amount Produced Last Year (1989)		27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	
25. Amount to be Produced This Year (1990)			
26. Amount Sold/Distributed Last Year (1989) ●US		●Foreign	

E

17. Product Code:
18. EPA Product Registration Number:
19. Product Name:
20. Product Classification:
21. Product Type:
21a. Specific Gravity (Liquids Only) stated as: ● kg/Liter or Lbs/Gal
22. Market Produced For:
23. Use Classification:

24. Amount Produced Last Year (1989)		27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	
25. Amount to be Produced This Year (1990)			
26. Amount Sold/Distributed Last Year (1989) ●US		●Foreign	

FOR EPA USE ONLY — Continued on Attached Sheet ☐

28. Signature	29. EPA Office	30. Date Received	31. Date Reviewed	32. Reporting Year
				1989

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Phone: (412) 227-2001

CERTIFIED MAIL, RETURN-RECEIPT REQUESTED

February 10, 1989

Environmental Protection Agency
Region X, Pesticides Office
1200 Sixth Avenue (AT-093)
Seattle, WA 98101

Re: Pesticides Report For Pesticide Producing Establishments
00061-OR-001

Gentlemen:

Enclosed is a Pesticide Establishment Report for Koppers Plant in Portland, Oregon.

Please contact me at your convenience if further information or assistance is required on this report. My telephone number is (412) 227-2884.

Sincerely,

John E. Marcinowski, Manager
Labeling & Regulatory Programs

JEM/rks

bcc: J. A. Oxford - Northwest Terminal

Form designed for use with elite (12-pitch) typewriter.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Pesticides Report For Pesticide-Producing Establishments

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 92 Stat. 829)

NOTE: Read all instructions before completing.
Information reported on this form is treated as BUSINESS CONFIDENTIAL.

Form Approved. OMB No. 2000-0029
Approval expires 1-31-88 PAGE 1 OF 1

6. Establishment Duns Number: 02-773-4359

7. EPA Establishment Number: 00061-OR-001

8. EPA Establishment SIC Codes: 5161

ESTABLISHMENT NAME AND MAILING ADDRESS

1. Establishment Name	2. Street Name and Number or Postal Number		
KOPPERS COMPANY INC NORTHWEST	7540 N W STREET HELENS ROAD		
3. City		**4. State**	**5. ZIP Code**
PORTLAND		OR	97229

ESTABLISHMENT SITE ADDRESS

9. Street Name	10. City	11. State	12. ZIP Code
7540 N W STREET HELENS ROAD	PORTLAND	OR	97229

13. Signature of Establishment Officer	14. Title	15. Date (mo/day/yr)	16. Telephone
John E. Marcinowski	Manager, Labeling & Regulatory Programs	02-09-89	(412) 227-2884

PESTICIDE PRODUCTION INFORMATION

A

17. Product Code: T — 18. EPA Product Registration Number: 61-94

19. Product Name: COAL TAR CREOSOTE

20. Product Classification: 01 — 21. Product Type: S — 21a. Specific Gravity (Liquids Only) stated as: 1.080 kgs/Liter, or XXXXXXX Lbs/Gal

22. Market Produced For: S — 23. Use Classification: S

24. Amount Produced Last Year [1988]	200,788.4	27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	G
25. Amount to be Produced This Year [1989]	150,000.0		
26. Amount Sold/Distributed Last Year [1988] ●US	193,093	●Foreign	3393.6

B

17. Product Code: — 18. EPA Product Registration Number: —

19. Product Name:

20. Product Classification: — 21. Product Type: — 21a. Specific Gravity (Liquids Only) stated as: XXXXXXX kgs/Liter, or XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: — 23. Use Classification:

24. Amount Produced Last Year [1988]		27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	
25. Amount to be Produced This Year [1989]			
26. Amount Sold/Distributed Last Year [1988] ●US		●Foreign	

C

17. Product Code: — 18. EPA Product Registration Number: —

19. Product Name:

20. Product Classification: — 21. Product Type: — 21a. Specific Gravity (Liquids Only) stated as: XXXXXXX kgs/Liter, or XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: — 23. Use Classification:

24. Amount Produced Last Year [1988]		27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	
25. Amount to be Produced This Year [1989]			
26. Amount Sold/Distributed Last Year [1988] ●US		●Foreign	

D

17. Product Code: — 18. EPA Product Registration Number: —

19. Product Name:

20. Product Classification: — 21. Product Type: — 21a. Specific Gravity (Liquids Only) stated as: XXXXXXX kgs/Liter, or XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: — 23. Use Classification:

24. Amount Produced Last Year [1988]		27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	
25. Amount to be Produced This Year [1989]			
26. Amount Sold/Distributed Last Year [1988] ●US		●Foreign	

E

17. Product Code: — 18. EPA Product Registration Number: —

19. Product Name:

20. Product Classification: — 21. Product Type: — 21a. Specific Gravity (Liquids Only) stated as: XXXXXXX kgs/Liter, or XXXXXXXXXXXXXXXX Lbs/Gal

22. Market Produced For: — 23. Use Classification:

24. Amount Produced Last Year [1988]		27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units	
25. Amount to be Produced This Year [1989]			
26. Amount Sold/Distributed Last Year [1988] ●US		●Foreign	

FOR EPA USE ONLY — Continued on Attached Sheet ☐

28. Signature	29. EPA Office	30. Date Received	31. Date Reviewed	32. Reporting Year
				1988

EPA Form 3540-16 (Rev. 1-85) Previous editions are obsolete

Koppers014490

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

REPORT OF ANALYSIS

1. SAMPLE NO.	2. DATE COLLECTED
274872	3-14-91
3. REGION	**4. EPA REG. NO.**
10	61468-5
5. ESTABLISHMENT NO.	
00061-OR-001	

6. DESCRIPTION OF SAMPLE
One pint glass bottle containing 8 ounces of product

7. NAME AND ADDRESS OF ESTABLISHMENT WHERE SAMPLE WAS COLLECTED *(Include ZIP code)*

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97229

8. PRODUCT NAME
Coal Tar Creosote

9. LOT OR CODE NUMBER(s)
———

10. NAME AND ADDRESS OF PRODUCER *(If different from 7 above)* *(Include ZIP code)*
———

11. RESULTS OF ANALYSIS

Sample has been analyzed and found to be chemically satisfactory.

RECEIVED
SEP 2 3 1991
KOPPERS INTS. INC.
PORTLAND, OR

Sec. 9(a) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended *(7 U.S.C. 136g)* requires that if an analysis is made of any sample collected in connection with the enforcement of the Act, a copy of the results of such analysis must be furnished promptly to the owner, operator or agent in charge of the establishment where the sample was collected. This section of the Act is quoted on the reverse of this form.

The information contained in this report should not be used in the labeling, advertising, or other promotion of the product analyzed. Additional information regarding results of analysis may be obtained from the individual listed below.

NAME AND TITLE OF EPA OFFICIAL	ADDRESS OF REGIONAL OFFICE *(Include ZIP code)*
Norma Christian Assistant Administrator	1200 6th Ave Seattle, Wash 98101
PHONE NUMBER / **DATE**	
(503) 378-3793 / 7-8-91	

EPA Form 3540-5 (Rev. 5-76) PREVIOUS EDITIONS ARE OBSOLETE.

ESTABLISHMENT COPY

Sec. 9. INSPECTION OF ESTABLISHMENTS, ETC.

(a) In General. – For purposes of enforcing the provisions of this Act, officers or employees duly designated by the Administrator are authorized to enter at reasonable times, any establishment or other place where pesticides or devices are held for distribution or sale for the purpose of inspecting and obtaining samples of any pesticides or devices, packaged, labeled, and released for shipment, and samples of any containers or labeling for such pesticides or devices.

Before undertaking such inspection, the officers or employees must present to the owner, operator; or agent in charge of the establishment or other place where pesticides or devices are held for distribution or sale, appropriate credentials and a written statement as to the reason for the inspection, including a statement as to whether a violation of the law is suspected. If no violation is suspected, an alternate and sufficient reason shall be given in writing. Each such inspection shall be commenced and completed with reasonable promptness. If the officer or employee obtains any samples, prior to leaving the premises, he shall give to the owner, operator, or agent in charge a receipt describing the samples obtained and, if requested, a portion of each such sample equal in volume or weight to the portion retained. If an analysis is made of such samples, a copy of the results of such analysis shall be furnished promptly to the owner, operator, or agent in charge.

Koppers014492

U.S. ENVIRONMENTAL PROTECTION AGENCY

RECEIPT FOR SAMPLES

ADDRESS (EPA Regional Office)
EPA Reg 10
1200 6th St
Seattle, Wash 98101

DATE
3-14-91

NAME OF INDIVIDUAL	TITLE
John A Oxford	Terminal Manager
FIRM NAME	**ADDRESS (Street, City, State and Zip Code)**
Koppers Industries	7540 NW. St Helens Rd. Portland Oregon 97210

SAMPLE NUMBERS
NA

SAMPLES COLLECTED (Describe fully. List Registration, Lot, Batch, Model, Serial Numbers and other positive identifications.)

The following samples were collected by the U.S. Environmental Protection Agency and receipt is hereby acknowledged persuant to Section 9.(a) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended (7 U.S.C. 136 g.). This section is quoted on the reverse of this form.

Approx 80% Coal Tar Creosote Wood Preservative
Taken from 2 - 55 Gallon drums labeled and ready
for Shipment. EPA Reg # 6148-5

ACKNOWLEDGMENT OF PRODUCER/REGISTRANT

The undersigned acknowledges that the samples shown above were obtained from pesticides or devices that were packaged, labeled, and released for shipment.

SIGNATURE (Owner, Operator or Agent)	TITLE (Owner, Operator or Agent)
JAOxford	Terminal Manager

☐ DUPLICATE SAMPLES REQUESTED AND PROVIDED ☒ DUPICATE SAMPLES NOT REQUESTED

SAMPLES WERE ☐ PURCHASED ☐ BORROWED

AMOUNT PAID FOR SAMPLES
$ 0

☐ CASH ☐ VOUCHER ☐ TO BE BILLED

NAME OF COLLECTOR (Print or type)	TITLE OF COLLECTOR	SIGNATURE OF COLLECTOR
Richard Angyal	Agricultural Chem. Investigator	Richard Angyal

EPA Form 3540-3 (Rev. 8-75) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED. ESTABLISHMENT COPY

Koppers014493

SEC. 9. INSPECTION OF ESTABLISHMENTS, ETC.

(a) In General. - For purposes of enforcing the provisions of this Act, officers or employees duly designated by the Administrator are authorized to enter at reasonable times, any establishment or other place where pesticides or devices are held for distribution or sale for the purpose of inspecting and obtaining samples of any pesticides or devices, packaged, labeled, and released for shipment, and samples of any containers or labeling for such pesticides or devices.

Before undertaking such inspection, the officers or employees must present to the owner, operator, or agent in charge of the establishment or other place where pesticides or devices are held for distribution or sale, appropriate credentials and a written statement as to the reason for the inspection, including a statement as to whether a violation of the law is suspected. If no violation is suspected, an alternate and sufficient reason shall be given in writing. Each such inspection shall be commenced and completed with reasonable promptness. If the officer or employee obtains any samples, prior to leaving the premises, he shall give to the owner, operator, or agent in charge a receipt describing the samples obtained and, if requested, a portion of each such sample equal in volume or weight to the portion retained. If an analysis is made of such samples, a copy of the results of such analysis shall be furnished promptly to the owner, operator, or agent in charge.

Koppers014494

RICHARD ANGYAL
Agronomist - Pesticides
PLANT DIVISION

Oregon Department of Agriculture
635 Capitol St. NE Salem 97310-0110 Phone 378-3776

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

ADDRESS *(EPA Regional Office)*
Region 10
1200 6th Ave.
Seattle, Wash 98101

DATE: 3-14-91
HOUR: 1000 A.M. / P.M.

NAME OF INDIVIDUAL	TITLE
John A. Oxford	Terminal Manager - Tar + Wood Products
FIRM NAME Koppers Industries Inc. 7540 N.W. St Helens Rd. Portland, Ore 9729	**FIRM ADDRESS** *(Number, Street, City, State and Zip Code)* →
SIGNATURE OF EPA EMPLOYEE Richard Angyal	**TITLE** Agricultural Chemical Investigator

REASON FOR INSPECTION

☐ FOR THE PURPOSE OF INSPECTING AND OBTAINING SAMPLES OF ANY PESTICIDES OR DEVICES PACKAGED, LABELED, AND RELEASED FOR SHIPMENT, AND SAMPLES OF ANY CONTAINERS OR LABELING FOR SUCH PESTICIDES OR DEVICES, IN PLACES WHERE PESTICIDES OR DEVICES ARE HELD FOR DISTRIBUTION OR SALE *(Sec. 9(a) and 12(a)(2)(B))*.

☒ FOR THE PURPOSE OF INSPECTING AND OBTAINING COPIES OF THOSE RECORDS SPECIFIED IN SECTION 8 AND 40 CFR PART 169. *(Sec. 8 and 12(a)(2)(B))*.

VIOLATION SUSPECTED: None

Routine Producer Establishment Inspection

Section 8, 9(a) and 12(a)(2)(B) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended (*7 U.S.C. 136 et seq.*) are quoted on the reverse of this form.

EPA Form 3540-2 (Rev. 3-77) PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED

Original- ESTABLISHMENT COPY
1- SAMPLE RECORD COPY
2- REGION COPY
3- INSPECTOR'S COPY

SEC. 8. BOOKS AND RECORDS.

(a) Requirements.—The Administrator may prescribe regulations requiring producers to maintain such records with respect to their operations and the pesticides and devices produced as he determines are necessary for the effective enforcement of this Act. No records required under this subsection shall extend to financial data, sales data other than shipment data, pricing data, personnel data, and research data *(other than data relating to registered pesticides or to a pesticide for which an application for registration has been filed).*

(b) Inspection.— For the purposes of enforcing the provisions of this Act, any producer, distributor, carrier, dealer, or any other person who sells or offers for sale, delivers or offers for delivery any pesticide or device subject to this Act, shall, upon request of any officer or employee of the Environmental Protection Agency or of any State or political subdivision, duly designated by the Administrator, furnish or permit such person at all reasonable times to have access to, and to copy: (1) all records showing the delivery, movement, or holding of such pesticide or device, including the quantity, the date of shipment and receipt, and the name of the consignor and consignee; or (2) in the event of the inability of any person to produce records containing such information, all other records and information relating to such delivery, movement, or holding of the pesticide or device. Any inspection with respect to any records and information referred to in this subsection shall not extend to financial data, sales data other than shipment data, pricing data, personnel data, and research data *(other than data relating to registered pesticides or to a pesticide for which an application for registration has been filed).*

SEC. 9. INSPECTION OF ESTABLISHMENTS, ETC.

(a) In General. — For purposes of enforcing the provisions of this Act, officers or employees duly designated by the Administrator are authorized to enter at reasonable times, any establishment or other place where pesticides or devices are held for distribution or sale for the purpose of inspecting and obtaining samples of any pesticides or devices, packaged, labeled, and released for shipment, and samples of any containers or labeling for such pesticides or devices.

Before undertaking such inspection, the officers or employees must present to the owner, operator, or agent in charge of the establishment or other place where pesticides or devices are held for distribution or sale, appropriate credentials and a written statement as to the reason for the inspection, including a statement as to whether a violation of the law is suspected. If no violation is suspected, an alternate and sufficient reason shall be given in writing. Each such inspection shall be commenced and completed with reasonable promptness. If the officer or employee obtains any samples, prior to leaving the premises, he shall give to the owner, operator, or agent in charge a receipt describing the samples obtained and, if requested, a portion of each such sample equal in volume or weight to the portion retained. If an analysis is made of such samples, a copy of the results of such analysis shall be furnished promptly to the owner, operator, or agent in charge.

SEC. 12. UNLAWFUL ACTS.

(a) In General. —

(2) It shall be unlawful for any person —

(B) to refuse to keep any records required pursuant to section 8, or to refuse to allow the inspection of any records or establishment pursuant to section 8 or 9, or to refuse to allow an officer or employee of the Environmental Protection Agency to take a sample of any pesticide pursuant to section 9;

EPA Form 3540-2 (Rev. 3–77) (Reverse)

☆ U. S. GOVERNMENT PRINTING OFFICE: 1982—386-178

Koppers014497

Form designed for use with elite (12-pitch) typewriter.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Pesticides Report For Pesticide-Producing Establishments

EPA

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 92 Stat. 829)

NOTE: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as BUSINESS CONFIDENTIAL.

Form Approved. OMB No. 2070-0078
Approval expires 9-30 PAGE 1 OF 1

6. Establishment Duns Number: 02-773-4359

7. EPA Establishment Number: 000061-OR-001

8. EPA Establishment SIC Codes: 5161 2851 5072 5085

ESTABLISHMENT NAME AND MAILING ADDRESS

1. Establishment Name	2. Street Name and Number or Postal Number		
KOPPERS INDUSTRIES, INC.- PORTLAND	7540 NW ST HELENS RD		
3. City		4. State	5. ZIP Code
PORTLAND		OR	97210

ESTABLISHMENT SITE ADDRESS

9. Street Name	10. City	11. State	12. ZIP Code
7540 NW ST HELENS RD	PORTLAND	OR	97210
13. Signature of Establishment Officer	14. Title	15. Date (mo/day/yr)	16. Telephone

PESTICIDE PRODUCTION INFORMATION

A

17. Product Code: 1
18. EPA Product Registration Number: 61468-1
19. Product Name: COAL TAR CREOSOTE

20. Product Classification	02	21. Product Type	2
22. Market Produced For	2	23. Use Classification	1

21a. Specific Gravity (Liquids Only) stated as: 1.070 Kgs/Liter, or Lbs

	Year	Amount
24. Amount Produced Last Year	[1991]	909248
25. Amount to be Produced This Year	[1992]	1210000
26. Amount Sold/Distributed Last Year	[1991]	●US 1016013 — ●Foreign 5250

27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units: G

B

17. Product Code: ☐
18. EPA Product Registration Number:
19. Product Name:

20. Product Classification ☐☐ 21. Product Type ☐
22. Market Produced For ☐ 23. Use Classification ☐
21a. Specific Gravity (Liquids Only) stated as: Kgs/Liter, or Lbs
24. Amount Produced Last Year [1991]
25. Amount to be Produced This Year [1992]
26. Amount Sold/Distributed Last Year [1991] ●US ●Foreign
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐

C

17. Product Code: ☐
18. EPA Product Registration Number:
19. Product Name:

20. Product Classification ☐☐ 21. Product Type ☐
22. Market Produced For ☐ 23. Use Classification ☐
21a. Specific Gravity (Liquids Only) stated as: Kgs/Liter, or Lbs
24. Amount Produced Last Year [1991]
25. Amount to be Produced This Year [1992]
26. Amount Sold/Distributed Last Year [1991] ●US ●Foreign
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐

D

17. Product Code: ☐
18. EPA Product Registration Number:
19. Product Name:

20. Product Classification ☐☐ 21. Product Type ☐
22. Market Produced For ☐ 23. Use Classification ☐
21a. Specific Gravity (Liquids Only) stated as: Kgs/Liter, or Lbs
24. Amount Produced Last Year [1991]
25. Amount to be Produced This Year [1992]
26. Amount Sold/Distributed Last Year [1991] ●US ●Foreign
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐

E

17. Product Code: ☐
18. EPA Product Registration Number:
19. Product Name:

20. Product Classification ☐☐ 21. Product Type ☐
22. Market Produced For ☐ 23. Use Classification ☐
21a. Specific Gravity (Liquids Only) stated as: Kgs/Liter, or Lbs
24. Amount Produced Last Year [1991]
25. Amount to be Produced This Year [1992]
26. Amount Sold/Distributed Last Year [1991] ●US ●Foreign
27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units ☐

FOR EPA USE ONLY Continued on Attached Sheet ☐

28. Signature	29. EPA Office	30. Date Received	31. Date Reviewed	32. Reporting Ye
				1991

	Chicago	from other Prov.
Jan.	0	0
Feb.	122593	0
Mar	0	17939
Apr.	85180	1127
May.	40423	0
June	49537	5634
July	143307	5484
Aug.	60305	0
Sept.	67835	47770
Oct.	138261	9834
Nov.	71251	2198
Dec.	40[illegible]	0
819234 90014 909248	819234	90014

Cl Cres.

	Bulk	Rds	Dr
Jan	774	0	0
Feb.	26170		
March.	16710		
April	20098		
May	20566		
June	19104		
July	5484		
Aug.	10531		
Sept	0		
Oct	0		
Nov	0		
Dec	0		
Total	119437		

119437
901826
1021263
5250
1,016,013

Crew

	Des	Rls.		Bulk
Jan.	0	20		0
Feb.	220	100		69661
Mar.	0	25		62030
April	0	140		94068
May	165	85		67986
June	0	40		85088
July	110	20		88677
Aug.	110	100		112815
Sept.	0	75		120856
Oct.	0	70	5250	66136
Nov.	0	30		94573
Dec.	220	10		33146
	825	715	Con 5250	895036

901826 total

Form designed for use with elite (12-pitch) typewriter.

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Pesticides Report For Pesticide-Producing Establishments

(Section 7, Federal Insecticide, Fungicide, and Rodenticide Act, as amended, 92 Stat. 829)

NOTE: Read all instructions before completing. Production and distribution/sales volumes information reported on this form is treated as BUSINESS CONFIDENTIAL.

Form Approved. OMB No. 2070-0078
Approval expires 6-30-91 PAGE 1 OF 1

6. Establishment Duns Number: 02-773-4359

7. EPA Establishment Number: 00061-OR-001

8. EPA Establishment SIC Codes: 5161

ESTABLISHMENT NAME AND MAILING ADDRESS

1. Establishment Name	2. Street Name and Number or Postal Number		
KOPPERS INDUSTRIES, INC.- PORTLAND	7540 NW ST HELENS RD		
3. City		4. State	5. ZIP Code
PORTLAND		OR	97210

ESTABLISHMENT SITE ADDRESS

9. Street Name	10. City	11. State	12. ZIP Code
7540 NW ST HELENS RD	PORTLAND	OR	97210
13. Signature of Establishment Officer	14. Title	15. Date (mo/day/yr)	16. Telephone
JOHN E. MARCINOWSKI	MANAGER LABELING & REGULATORY PROGRAMS	020491	(412) 227-2884

PESTICIDE PRODUCTION INFORMATION

A

17. Product Code: 1 — 18. EPA Product Registration Number: 61468-1

19. Product Name: COAL TAR CREOSOTE

20. Product Classification	02	21. Product Type	2
22. Market Produced For	2	23. Use Classification	1

21a. Specific Gravity (Liquids Only) XXXXXX: 1.070 XXXXXXXXXXXXXXXXXXXX/Gal

	Year	Amount
24. Amount Produced Last Year	[1990]	2,158,292
25. Amount to be Produced This Year	[1991]	2,225,000
26. Amount Sold/Distributed Last Year	[1990] US	1,872,339
Foreign		11322

27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units: G

B

17. Product Code: — 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: — 21. Product Type: —
22. Market Produced For: — 23. Use Classification: —

21a. Specific Gravity (Liquids Only) XXXXXX: XXXXXXXXXXXXXXXXXXXXLbs/Gal

24. Amount Produced Last Year [1990]
25. Amount to be Produced This Year [1991]
26. Amount Sold/Distributed Last Year [1990] US — Foreign

27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units

C

17. Product Code: — 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: — 21. Product Type: —
22. Market Produced For: — 23. Use Classification: —

21a. Specific Gravity (Liquids Only) XXXXXX: XXXXXXXXXXXXXXXXXXXXLbs/Gal

24. Amount Produced Last Year [1990]
25. Amount to be Produced This Year [1991]
26. Amount Sold/Distributed Last Year [1990] US — Foreign

27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units

D

17. Product Code: — 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: — 21. Product Type: —
22. Market Produced For: — 23. Use Classification: —

21a. Specific Gravity (Liquids Only) XXXXXX: XXXXXXXXXXXXXXXXXXXXLbs/Gal

24. Amount Produced Last Year [1990]
25. Amount to be Produced This Year [1991]
26. Amount Sold/Distributed Last Year [1990] US — Foreign

27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units

E

17. Product Code: — 18. EPA Product Registration Number: -

19. Product Name:

20. Product Classification: — 21. Product Type: —
22. Market Produced For: — 23. Use Classification: —

21a. Specific Gravity (Liquids Only) XXXXXX: XXXXXXXXXXXXXXXXXXXXLbs/Gal

24. Amount Produced Last Year [1990]
25. Amount to be Produced This Year [1991]
26. Amount Sold/Distributed Last Year [1990] US — Foreign

27. Unit of Measure: P=Pound G=Gallons K=Kilograms L=Liters T=Tons U=Units

FOR EPA USE ONLY — Continued on Attached Sheet ☐

28. Signature	29. EPA Office	30. Date Received	31. Date Reviewed	32. Reporting Year
				1990

DOMESTIC

United States Environmental Protection Agency

INSTRUCTIONS FOR COMPLETING:

Pesticides Report For Pesticide-Producing Establishments
EPA Form 3540-16 (Revised 10-91)

Requirement: Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

To comply with this requirement, each registered pesticide-producing establishment, with the exception of those establishments not found at the same location as their company headquarters, shall complete EPA Form 3540-16 and submit the original and first copy of the form to the EPA Regional Office having jurisdiction over the state/territory in which the producing site is located. EPA Form 3540-16 for those establishments not found at the same location as their company headquarters should be submitted to the Regional Office having jurisdiction over the state/territory in which the company headquarters is located. The state/territory abbreviations are listed on page 4 of this instruction sheet.

Producers of multi-use chemicals (i.e., chemicals which have both pesticidal and non-pesticidal uses) are required to register their establishments and report their production on an annual basis under Section 7 of FIFRA, if the producer has actual of constructive knowledge that a chemical or substance he produces is used or intended for use as an active ingredient in the manufacture of a pesticide. Any such producers are required to report only the amount of chemical or substance manufactured and sold/distributed for pesticidal purposes.

Warning to Producing Establishments: Failure to file the initial and annual pesticide production report is an unlawful act and will result in the termination of registration of the establishment and in possible penalties as provided for in the Statute. It is unlawful to knowingly falsify all or part of any pesticide production information reported on EPA Form 3540-16. [Section 12(a)(2)(M), 7 U.S.C. Section 136j]

Confidentiality. Under Section 7(d), 7 U.S.C. Section 136e, information reported in Items 24, 25 and 26 will be treated as business confidential, subject to provisions of Section 10, 7 U.S.C. Section 136h. Also under Section 7(d), and the labeling requirements of Section 2, 7 U.S.C. Section 136, information reported in Items 1 through 23, and Item 27, except for inert ingredient information in Item 17, is public and will not be accorded confidential treatment. To the extent you may wish to assert a claim of confidentiality for the inert ingredient information in Item 17, you must do so by attaching a sheet which identifies the Items you wish to claim. **Failure to assert a claim for this information at the time you submit this form will be considered a waiver of confidentiality, and the information may be made available to the public with no further notice to you.**

Items to be completed:

A REPORT MUST BE FILED EVEN IF THERE HAS BEEN NO PRODUCTION. If the establishment has no production, enter "NO PRODUCTION" in Item 19.

1-5. ESTABLISHMENT NAME AND MAILING ADDRESS: Enter the establishment name and the actual mailing address of the establishment. If preprinted, correct any errors.

6. ESTABLISHMENT DUNS NUMBER: (Optional) Enter the Dun and Bradstreet Identification [DUNS] Number assigned to the establishment. If preprinted, correct any errors.

7. ESTABLISHMENT NUMBER: Enter the establishment registration number assigned to the establishment. If preprinted, correct any errors.

8. ESTABLISHMENT SIC CODE: (Optional) Enter 4-digit Standard Industrial Classification [SIC] Codes which describe the primary industrial functions of the establishment. The definition of a primary SIC code is generally considered to be the code related to the types of products distributed from an establishment. SIC Code manuals should be available in most public libraries.

Printed on Recycled Paper

9-12. ESTABLISHMENT SITE ADDRESS: Enter the actual physical street location and city of the establishment where pesticides are produced or repackaged. **Do not use a post office box number for this purpose**.

13-14. ESTABLISHMENT, TITLE OF ESTABLISHMENT OFFICER: Include printed name, title and the signature of the Officer or the person completing and/or approving the report.

15-16. DATE, TELEPHONE: Enter the date in numeric form, in month, day, year order--for example, 02 - 22 - 90 and the complete telephone number (including area code) of the Officer or the person completing and/or approving the report.

ITEMS 17 THROUGH 27: These must be completed for each pesticide product, active ingredient, or device, produced or repackaged by the establishment. Include all EPA - and state-registered pesticides, technical materials or active ingredients, pesticides produced while registration is pending, pesticides produced under Experimental Use Permits, and pesticides produced for export only. If the establishment produces products registered by other companies, the reporting establishment must include those products in its report. [A pesticide produced under several distributor labels [brand names] should be reported only as a single product rather than reported separately for each label.]

Note: Amendments to Section 7 regulations published in the Federal Register on September 8, 1988 (Vol. 53, No. 174), and effective on August 9, 1989 (Vol. 54, No. 152), require producers to report only the amount of a chemical for which the producer has actual or constructive knowledge of its use, or intended use, as an active ingredient in the manufacture of a pesticide.

17-18. PRODUCT CODE and EPA PRODUCT REGISTRATION NUMBER:

(1) If the product is registered with EPA enter "1" in Item 17 and the EPA Product Registration Number in Item 18 exactly as it appears on the product label.

(2) If the product has an EPA registration pending, enter "2" in Item 17 and the EPA File Symbol Number in Item 18.

(3) If the product has an EPA Experimental Use Permit, enter "3" in Item 17 and the EPA Experimental Use Permit Number in Item 18 exactly as it appears on the product label.

(4) If the product does not have one of the above EPA numbers, enter "4" in Item 17, leave Item 18 blank, and provide additional information as requested in Item 19 below.

For all code "4" products, except devices, attach [1] a list of the chemical names for each ingredient, both active and inert, used in the product and [2] the percentage, by weight, of each ingredient. [Must Total 100%]

YOU MAY CLAIM THE IDENTIFICATION AND PERCENTAGE OF THE INERT INGREDIENT AS CONFIDENTIAL.

19. PRODUCT NAME: Enter the product name **exactly** as it appears on the product label. For active ingredients and all products listed as Product Code 4 in Item 17 above, enter the common name of the active ingredient/product, and CAS Number.

20. PRODUCT CLASSIFICATION: Enter the ONE code which best describes the product.

01	Insecticide	08	Defoliant, Desiccant
21	Insecticide-Fungicide	09	Disinfectant, Germicide, Sanitizer
02	Fungicide	10	Antifouling Paint
03	Rodenticide	11	Animal Repellant
04	Herbicide	12	Other Pesticide
44	Herbicide-Fungicide	13	Device
05	Algicide	14	Water Purifier-Point of use
06	Nematocide	15	Water Purifier-Small System
07	Plant Regulator		
16	Multi-use active ingredient (see note at Items 17-27 above)		

Koppers014504

21. PRODUCT TYPE: Enter the ONE code which describes the type of product.

(1) Enter "1" if the product is a TECHNICAL MATERIAL or ACTIVE INGREDIENT For Manufacturing Use Only. [This product is not suitable, nor is it labeled suitably, for end-use applications.]

(2) Enter "2" if the product is an END-USE, BLEND, FORMULATION or CONCENTRATE. [This product is suitable for use as is, or following dilution, and is labeled suitably for end-use applications.]

(3) Enter "3" if the product is being REPACKAGED or RELABELED. [This activity does not include any blending, dilution, or change in formula.]

(4) Enter "4" if the product is a DEVICE.

21a. SPECIFIC GRAVITY: For liquid products of Product Type 1 and 2, enter the specific gravity of the complete product.

22. MARKET PRODUCED FOR: Enter the ONE code which best describes the market for which the pesticide is produced.

(1) Enter "1" if all of the product is marketed in the United States.

(2) Enter "2" if the product is marketed both in the United States and exported out of the United States.

(3) Enter "3" if all of the product is exported out of the United States.

23. USE CLASSIFICATION: Enter the code which describes the use classification of the product.

(1) Enter "1" if the product's label states that the product is for RESTRICTED USE ONLY and is to be used or applied only by a Certified Applicator.

(2) Enter "2" for all other products.

NOTE: ITEMS 24, 25 AND 26 WILL BE TREATED AS CONFIDENTIAL

24. AMOUNT PRODUCED OR REPACKAGED LAST YEAR: Enter the amount of the pesticide product produced or repackaged at the establishment during the calendar year shown in Item 32 on the form. (For active ingredients, enter the amount produced or repackaged for pesticidal purposes only.)

25. AMOUNT (Anticipated) TO BE PRODUCED OR REPACKAGED THIS YEAR: Enter an estimate of the amount of the pesticide product that is expected to be produced or repackaged at the establishment during the calendar year printed in Item 25 on the form. (For active ingredients, enter the amount expected to be produced or repackaged for pesticidal purposes only.)

26. AMOUNT SOLD/DISTRIBUTED LAST YEAR: Enter the amount of the pesticide product, produced or repackaged by the establishment, which was actually sold or distributed in the calendar year shown in Item 32 on the form, regardless of when product was produced or repackaged. Report separately the amount sold/distributed in the United States and the amount released for shipment outside the United States by the producing establishment. (For active ingredients, enter the amount sold or distributed for pesticidal purposes only.)

Koppers014505

27. UNIT OF MEASURE: Enter the ONE unit of measure which best describes the amounts of the product shown in Items 24, 25 and 26.

(G)	GALLONS	[Liquid Chemical Product]
(P)	POUNDS	[Dry or Solid Chemical Product]
(L)	LITERS	[Liquid Chemical Product]
(K)	KILOGRAMS	[Dry or Solid Chemical Product]
(T)	TONS	[Short Ton = 2000 Pounds or 907.2 Kilograms] [Dry or Solid Chemical Product]
(U)	UNITS	[Items such as devices or pesticides which the product's label does not declare as Gallons, Pounds, [Ounces], Liters, Kilograms, [Grams] or Tons]

Each Form 3540-16 has space for five products in Blocks "A" through "E". If a continuation sheet is required, check the CONTINUED ON ATTACHED SHEET Block and reproduce the form or otherwise provide the required information in identical format. Number all continuation sheets in the upper right-hand corner as: Page of Pages.

EPA Regional Offices	States Covered	EPA Regional Offices	States Covered
U. S. EPA Region I Pesticides Section (APT) J.F. Kennedy Fed. Bldg. Boston, MA 02203-2211 Telephone 617/565-3932	CT, MA ME, NH RI, VT	U. S. EPA Region VI Pesticides Section (6TPP) 1445 Ross Avenue Dallas, TX 75202 Telephone 214/655-7239	AR, LA NM, OK TX
U. S. EPA Region II Building 209 MS-240 2890 Woodbridge Avenue Edison, NJ 08837-3679 Telephone 201/321-6750	NJ, NY PR, VI	U. S. EPA Region VII Pesticides Section (TOPE) 726 Minnesota Avenue Kansas City, KS 66101 Telephone 913/551-7020	IA, KS MO, NB
U. S. EPA Region III Pesticides Section (3AT32) 841 Chestnut Street Philadelphia, PA 19107 Telephone 215/597-9936	DE, DC MD, PA VA, WV	U. S. EPA Region VIII Pesticides Section (8AT-TS) One Denver Place, Suite 500 999 18th Street (8AT-TS) Denver, CO 80202-2405 Telephone 303/293-1749	CO, MT ND, SD UT, WY
U. S. EPA Region IV Pesticides Section 345 Courtland Street, N.E. Atlanta, GA 30365 Telephone 404/347-3222	AL, FL GA, KY MS, NC SC, TN	U. S. EPA Region IX Pesticides Section (A-4-1) 75 Hawthorne Street San Francisco, CA 94105 Telephone 415/744-1087	AZ, AS CA, GU HI, NV PI, WK
U. S. EPA Region V Pesticides Section (SP-14-J) 77 W. Jackson Blvd. Chicago, IL 60604 Telephone 312/353-2833	IL, IN OH, MI MN, WI	U. S. EPA Region X Pesticides Section (AT-083) 1200 Sixth Avenue Seattle, WA 98101 Telephone 206/442-1970	AK, ID OR, WA

In order to minimize disputes and for your firm to have satisfactory evidence that the Regional Office has received this report, you may wish to send the report to the Regional Office by certified mail, return-receipt requested, with a covering letter.

To expedite processing, please type this report.

Public reporting burden for this collection of information is estimated to average 1 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing the reviewing and collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460 and to the Office of Management and Budget, Paperwork Reduction Project (2070-0078), Washington, D.C. 20503.

Koppers014506

KOPPERS
INDUSTRIES

INTEROFFICE CORRESPONDENCE

To:	J. A. Oxford	**From:**	John E. Marcinowski
Location:	Northwest Terminal	**Location:**	K-1801
Subject:	Annual Pesticide Establishment Report	**Date:**	January 9, 1992

You will find attached a copy of the Annual Pesticide Report For Pesticide-Producing Establishments for your facility along with a set of instructions. I will need your completed copy by February 14th so that it can be submitted to the EPA by March 1st.

To assist you in completing your report, I have included a copy of the 1990 report submitted for your facility.

I want to thank you in advance for your cooperation in filling out this report.

John E. Marcinowski

c.c.
J. R. Batchelder K-1701
L. F. Flaherty K-1750

RECEIVED
JAN 13 1992
KOPPERS INDS., INC.
PORTLAND, OR

Resource Applications, Inc.

Engineers • Scientists • Planners

In association with C.C. Johnson & Malhotra, PC

U.S. EPA 8(a) Technical Assistance Team - Zone II

Dirk A. Schwartz

141 Union Blvd., Suite 290
Lakewood, Colorado 80228

Telephone: (303) 969-9300
Facsimile: (303) 969-0669

Koppers014508

For Amos — Urgent ☐

Date 2/17/94 Time 1:04 pm

While You Were Out

M Dirk Schwartz

Of

Phone

AREA CODE NUMBER EXTENSION

Telephoned	☐	Please Call	☐
Came To See You	☒	Will Call Again	☐
Returned Your Call	☐	Wants To See You	☐

Message He has determined that this facility not subject to 40 CFR 112 Oil Reg. If any Q, can reach him in Denver. The above will be duly noted.

Signed KLR

ADAMS BUSINESS FORMS
9711

United States
Environmental Protection
Agency

Region 10
1200 Sixth Avenue
Seattle WA 98101

Alaska
Idaho
Oregon
Washington

EPA

EPA

To Whom it May Concern:

The United States Environmental Protection Agency (U.S. EPA) Region X is currently conducting Spill Prevention Control and Countermeasures (SPCC) inspections of facilities in Washington, Oregon, Idaho and Alaska. These inspections are conducted pursuant to the Oil Pollution Prevention Regulations of the Clean Water Act. Facilities subject to inspection are those "engaged in drilling, producing, gathering, storing, processing, refining, transferring, distributing or consuming oil and oil products, and which, due to their location, could reasonably be expected to discharge oil in harmful quantities, ..., into or upon the navigable waters of the United States or adjoining shorelines."

Dirk Schwartz of Resource Applications, Inc. (RAI) is representing the U.S. EPA to conduct this inspection. RAI is contracted by the U.S. EPA under the 8(A) Technical Assistance Team (TAT) program. He will evaluate the facility oil spill prevention measures including the SPCC plan, oil storage tanks, secondary containment and drainage systems, and loading/unloading areas.

Assistance of some of your personnel is required in reviewing the facility. Access to the SPCC plan and any relevant maps, diagrams, records and spill reports is necessary. A tour of the facility to make photographic documentation and examine oil spill prevention systems is desired. An escort familiar with the oil containment systems and standard operating procedures would be appreciated.

Inspection results are used to update the U.S. EPA facility inventory. Documentation of violations motivate corrective actions for facility compliance and provide the U.S. EPA with a legal basis for possible enforcement.

We regret any inconvenience and thank you for your cooperation. If you have any questions please contact me at the above address or phone (206) 553-1671 or 1-800-424-4EPA.

Sincerely,

Carl Kitz

Carl Kitz
Superfund Removal and Investigation Section

2/15/94
- gave copy of several MSD sheets and list of produc. stored in our tanks

KOPPERS

Interoffice Correspondence

To Bill Swearingen

From John A. Oxford

Location K-1200

Location Portland Plant

Subject EPA Representative

Date April 18, 1989

This letter confirms our telephone conversation on April 11, 1989, at which time I informed you of a visit by Mr. Richard Brooks, who identified himself as working for EPA Region X. He produced a letter of introduction from the EPA and asked to review our Spill Contingency Plan. He then asked for and was granted access to the plant at which time he photographed our retaining wall around the tank farm and our water collection sump area. A copy of his Business Card and Letter of Introduction is attached for your review. In his inspection if the plant, he asked how our storm water is pumped away and how far it is pumped to the Willamette River. His only other comment to Mr. Beehler, my assistant, was that the Engineers Certificate on the spill plan was dated 1986.

As I explained to you on the telephone the next morning, when I was informed of the visition. a meeting was immediately called by me with all plant employees, including secretary's. At this meeting I strongly reiterated Koppers policy on allowing inspections, visitations, and access to the plant by outside people. I feel an impression was made on all personnel of the seriousness of this type of incident and that the next time policy will be strictly adhered to.

Regards,

John

John

CC: L_Flaherty K-1750
B Nolan K-1400

K-5 REV. 2

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 SIXTH AVENUE
SEATTLE, WASHINGTON 98101

REPLY TO
ATTN OF:

LETTER OF INTRODUCTION

This is to certify that Mr. Richard Brooks of Ecology and Environment, Inc., whose signature, photograph, and physical description appear on his credentials, is a duly authorized consultant for the United States Environmental Protection Agency (EPA) under the Technical Assistance Team (TAT) contract number 68-01-7368. It is requested that, upon presentation of this letter, Mr. Brooks be allowed to enter upon or through:

a. any facility to examine its Spill Prevention, Control and Countermeasure (SPCC) Plan to see that it is prepared in accordance with good engineering practices, and that it is certified by a Registered Professional Engineer.

b. any facility to make an inspection to determine that all parts of the SPCC Plan have been fully implemented as contained in 40 CFR Parts 112 and 151 or, if no plan had been prepared, to determine if the facility is subject to the applicable regulations requiring such a plan.

c. any facility to conduct an inspection to determine compliance with the Hazardous Substances Prevention Regulation (43 FR 39276).

The statutory basis for these inspections can be found in Section 308 of the Clean Water Act.

d. any disposal, storage, or treatment facility to conduct a survey or inspection to determine compliance under the provisions of the Resource Conservation and Recovery Act (RCRA) or the Toxic Substances Control Act (TSCA).

e. any underground storage tank facility to determine compliance with underground storage tank (UST) regulations as stated in 40 CFR part 280.

In addition, it is requested that Mr. Brooks be allowed access to the scene of emergency incidents to:

a. monitor clean-up/mitigation operations and assess potential impacts of the incident on public health and the environment.

b. to collect and analyze samples, assess damages to natural resources and the environment.

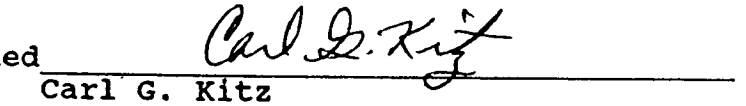
c. to conduct Federal Disaster Assistance as part of EPA's assistance to the Federal Emergency Management Agency for surveys of damage caused by natural disasters such as floods, hurricanes, or earthquakes.

Federal response to emergency incidents is authorized under Sections 311 and 504 of the Clean Water Act; Sections 104 and 106 of the Comprehensive Environmental Response, Compensation, and Liability Act; and Section 7003 of the Resource Conservation and Recovery Act. Response actions are coordinated through the National Oil and Hazardous Substances Pollution Contingency Plan (40 CFR 300).

Requested industry information may not be withheld from EPA on the grounds that is considered to be confidential or proprietary. EPA can protect information deemed to be privileged or confidential, trade secrets, and commercial or financial information (40 CFR Sections 2.203 and 2.204). Accordingly, please indicate any information which you consider to be privileged or confidential so that the Agency may take appropriate protective measures.

The regulations at 40 CFR Section 2.211 preclude EPA employees from wrongfully using or disclosing any business information which was obtained during the performance of the employee's official duties. In addition, EPA employees must take all appropriate action to safeguard confidential business information from improper disclosure. EPA employees who violate these requirements are subject to dismissal, suspension or fines. Criminal action may be taken against EPA employees who willfully disclose business information. A contractor with EPA who obtains business information during execution of an EPA contract can disclose information only as allowed in the contract. EPA regulations on confidentiality or business information in 40 CFR Part 2 Subpart B require that the Contractor agree to the Clause entitled "Treatment of Confidential Business Information" before any confidential business information may be furnished to the Contractor. Violation of these requirements by a contractor may be grounds for suspending the contract or contractor employees.

Your cooperation is appreciated.

Signed 

Carl G. Kitz
TAT Deputy Project Officer
U.S. Environmental Protection Agency

NEIL GOLDSCHMIDT
GOVERNOR

Department of Environmental Quality

811 SW SIXTH AVENUE, PORTLAND, OREGON 97204-1390 PHONE (503) 229-5696

JUN 02 1989

John Oxford
Koppers Industries, Inc.
7540 NW St. Helens Road
Portland, OR 97210

Re: Notice of Intent to Construct

As requested by you on June 1, 1989, enclosed are application forms and instructions for a Notice of Intent to Construct.

In addition, please find enclosed a copy of Oregon Administrative Rules (OAR) 340-20-020 through 340-20-030, "Notice of Construction and Approval of Plans" and the permit regulations OAR 340-20-140 through 340-20-185.

If you have any questions, please contact Terri Sylvester in Portland at 229-5057. Our toll-free, call back number is 1-800-452-4011.

Sincerely,

Wendy Sims, Acting Manager
Program Operations
Air Quality Division

WS:r
PO\AR235
Enclosures
cc: Northwest Region, DEQ

JUN 5 1989

DEQ-1

Attachment C-II – Oil Pollution Act Certification of the No Substantial Harm Criteria

Facility Name:_Northwest Terminal, Portland, Oregon

Facility Address: 7540 NW Saint Helens Road, Portland, OR 97210

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
   Yes _X_ No ___

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?
   Yes ___ No _X__

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?
   Yes ___ No __X_

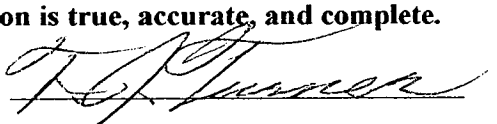
4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility would shut down a public drinking water intake ?

   Yes ___ No _X__

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil discharge in an amount greater than or equal to 10,000 gallons within the last 5 years?
   Yes ___ No _X__

Certification:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: 

Printed Name: T. J. Turner, General Foreman Date: October 26, 2004

Note: The dock operations and the FRP dated 08/02, is managed by Pacific Terminal Services, Inc.

A facility that has the potential to cause substantial harm to the environment in the event of a discharge must prepare and submit a facility-specific response plan to EPA in accordance with 112.20. A description of the screening criteria for the substantial harm flowchart is provided below:

1. ***Non-Transportation-Related Facilities With a Total Oil Storage Capacity Greater Than or Equal to 42,000 Gallons Where Operations Include Over-Water Transfers of Oil.***

A non-transportation-related facility with a total oil storage capacity greater than 42,000 gallons that transfers oil over water to or from vessels must submit a response plan to EPA. Daily oil transfer operations at these types of facilities occur between barges and vessels and onshore bulk storage tanks over open water. These facilities are located adjacent to navigable water.

2. ***Lack of Adequate Secondary Containment at Facilities With a Total Oil Storage Capacity Greater Than or Equal to 1 Million Gallons.***

Any facility with a total oil storage capacity greater than or equal to 1 million gallons without secondary containment sufficiently large to contain the capacity of the largest aboveground oil storage tank within each area plus sufficient freeboard to allow for precipitation must submit a response plan to EPA. Secondary containment structures that meet the standard of good engineering practice for the purposes of this part include berms, dikes, retaining walls, curbing, culverts, gutters, or other drainage systems.

3. ***Proximity to Fish and Wildlife and Sensitive Environments at Facilities With a Total Oil Storage Capacity Greater Than or Equal to 1 Million Gallons.***

A facility with a total oil storage capacity greater than or equal to 1 million gallons must submit its response plan if it is located at a distance such that a discharge from the facility could cause injury (as defined at 40 CFR 112.2) to fish and wildlife and sensitive environments. For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC / NOAA's "Guidance for Facility and Vessel Response Plans: Fish and Wildlife and Sensitive Environments" (see Appendix E to 112.20 , section 13, for availability) and the applicable Area Contingency Plan. Facility owners or operators must determine the distance at which an oil discharge could cause injury to fish and wildlife and sensitive environments using the appropriate formula presented in Attachment C-III to this appendix or a comparable formula.

4. ***Proximity to Public Drinking Water Intakes at Facilities with a Total Storage Oil Capacity Greater Than or Equal to 1 Million Gallons.***

A facility with a total storage capacity greater than or equal to 1 million gallons must submit its response plan if it is located at a distance such that a discharge from the facility would shut down a public drinking water intake, which is analogous to a public water system as described at 40 CFR 143.2(c) . The distance at which an oil discharge from an SPCC-regulated facility would shut down a public drinking water intake shall be calculated using

the appropriate formula presented in Attachment C-III to this appendix or a comparable formula.

2.5 ***Facilities That Have Experienced Reportable Oil Discharges in an Amount Greater Than or Equal to 10,000 Gallons Within the Past 5 Years and That Have a Total Oil Storage Capacity Greater Than or Equal to 1 Million Gallons.***

A facility's oil spill history within the past 5 years shall be considered in the evaluation for substantial harm. Any facility with a total oil storage capacity greater than or equal to 1 million gallons that has experienced a reportable oil discharge in an amount greater than or equal to 10,000 gallons within the past 5 years must submit a response plan to EPA.

Attachment C-II – Oil Pollution Act Certification of the No Substantial Harm Criteria

Facility Name:_____

Facility Address: _____

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
   Yes ___ No ___

2. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?
   Yes ___ No ___

3. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?
   Yes ___ No ___

4. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and is the facility located at a distance such that a discharge from the facility would shut down a public drinking water intake ?

   Yes ___ No ___

5. Does the facility have a total oil storage capacity greater than or equal to 1 million gallons and has the facility experienced a reportable oil discharge in an amount greater than or equal to 10,000 gallons within the last 5 years?
   Yes ___ No ___

Certification:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Signature: _____

Printed Name:_____ Date:_____

CONTINGENCY, SPCC AND POLLUTION PREVENTION PLAN

KOPPERS, INC.

NORTHWEST TERMINAL

PORTLAND, OR

Revision Page

The following is a list of current revisions made to the existing program

1. Changed signature block to read current name and title (page 5)
2. Change the contact name and title (page 5).
3. Changed number of employee's and operating hours (page 5).
4. Change emergency contacts (page 7).
5. Update tank listing table (page 12).
6. Update Pittsburgh list with correct contacts (page 17).

SPCC AND CONTINGENCY PLAN, PORTLAND PLANT, KOPPERS INDUSTRIES

CONTINGENCY PLAN,
SPILL PREVENTION, CONTROL,
AND COUNTERMEASURES (SPCC) PLAN
AND
STORM WATER POLLUTION PREVENTION PLAN
KOPPERS INDUSTRIES, INC.
NORTHWEST TERMINAL
7540 NW Saint Helens Rd.
PORTLAND, OR 97210-3663
FEBRUARY 24, 2000

CERTIFICATION

I here by certify that I have inspected the subject facility, and being familiar with the provisions of 40 CFR 112 for SPCC requirements and 40 CFR 122 for Storm Water Pollution Prevention requirements, attest that this Plan has been prepared in accordance with good engineering practices.

William A. Meisinger

William A. Meisinger, P.E.
Manager of Engineering
PENNA. # PE-038022-E

COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
WILLIAM A. MEISINGER
ENGINEER
038022-E

Date: 6/21/07

MANAGEMENT APPROVAL

This SPCC Plan will be implemented as herein described.

T L Turner
Plant Superintendent

SPCC AND CONTINGENCY PLAN, PORTLAND PLANT, KOPPERS INDUSTRIES

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SPCC AND CONTINGENCY PLAN, PORTLAND PLANT, KOPPERS INDUSTRIES

1.0 INTRODUCTION

This plan has been developed to; a) provide a basis for planning for and responding to potential spills, accidents, fires, or other contingencies and b) describe and implement practices to minimize and control pollutants in storm water discharges and ensure discharge permit compliance. It includes the requirements for the Contingency Plan as required by the Resources Conservation and Recovery Act (RCRA), the Spill Prevention, Control and Countermeasures (SPCC) Plan and Storm Water Pollution Prevention Plan (SWPPP) of the Clean Water Act, and the inventory report requirements of the Emergency Planning and Community Right-to Know Act (SARA Title III)

Questions concerning this plan may be directed to:

T.J. Turner Plant Superintendent (503) 286-3681

1.1 FACILITY LOCATION

The Northwest Terminal is located in Multnomah County in the city of Portland, OR. The terminal is located on approximately 6.4 acres of leased property. The property owner is the N W Natural, 220 NW 2nd. Ave., Portland, OR, 97209. The portion of the property that Koppers Industries leases is addressed as 7540 NW Saint Helens Rd., Portland, OR, 97210. The property is bounded by Saint Helens Road (Oregon State Highway 30) on the south, the N W Natural property extending to the shore of the Willamette River on the north. The N W Natural liquefied natural gas plant on the west. The south end of NW Front Ave. separates Koppers property from Wacker Siltronic Corporation, on the eastern boundary. 4 people are employed at the terminal (2 salaried people, 2 hourly people). Normal operating hours are from 12:00 a.m. on Sundays through 3:00 p.m. on Fridays. Generally, the plant is closed on the weekends.

1.2 OPERATION

Coal tar pitch is imported via bulk and/or liquid cargo vessels. This product is then stored at the terminal, prior to the distribution to our customers. Outbound shipments are made via tank truck or tank cars.

All products and/or chemicals used or handled through the terminal are covered by material safety data sheets, which are on file. All employees have been trained on the usage of these materials and educated in the proper manner of reading and understanding of the material safety data sheets. This training is mandatory and retraining is given annually.

1.3 COORDINATED EMERGENCY SERVICES

This plan is written to facilitate the quick and efficient coordination of emergency response actions between Koppers Industries, Inc. (Koppers) and any emergency response companies or agencies which may be needed. Copies of this plan, and updates, are provided to the following

Oregon, Department of Environmental Quality

Portland Fire Department

City of Portland, Bureau of Environmental Services

US Coast Guard

Plant Supervisors and Employee's

Instructions on how and when to obtain assistance for emergency situations including agency and contractor phone numbers are included in this plan.

1.4 SPCC AND SWPPP PLAN MAINTENANCE

This Plan must be kept up to date. Notify Koppers' Environmental Program Manager in the event of any changes made. Automatic review, evaluation and recertification by a Professional Engineer are required once every three years from the date of the latest certification. This Plan must also be amended whenever there is a change in design, construction, operation or maintenance which materially affects the facility's potential for discharge, and the amendment fully implemented as soon as possible and no later than within six months.

A copy of this Plan is to be maintained in the plant's main office and the plants control room.

Notify the Environmental Program manager if any amendment needs to be made to this Plan.

2.0 INVENTORY OF OIL AND HAZARDOUS MATERIALS

2.1 Discussion

Various materials used at the Koppers facility are considered hazardous based on the toxicity or flammability of those materials. These include coal tar distillate, coal tar pitch, boiler water treatment chemicals, fuel, heat transfer oil and lubricants for plant vehicles and equipment.

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2.2 Business Information and Identification

The following information applies to the Koppers Industries Northwest Terminal:

Business Name:	Koppers Industries, Inc.
Business Phone:	(503) 286-3681
Business Fax:	(503) 285-2831
Owner:	Koppers Industries, Inc. 436 Seventh Ave. Pittsburgh, PA 15219
Operator:	Same as owner
SIC Code:	2865
EPA ID Number:	ORD 027734359
Site Address:	7540 NW Saint Helens Road Portland, OR 97210
Mail Address:	Same as above
Type of Business:	Coal Tar Pitch Terminal

2.3 Emergency Contacts/ Emergency Coordinators

T.J. Turner, Plant Superintendent
17815 NE 152nd. Ave.
Bush Prairie, WA 98606
Home Phone (503)896-5139 Cellular Phone (503) 705-9507

The above people can normally be reached during work hours at the business phone number, (503) 286-3681. Additionally, the night shift operator, when there is a night shift during the normal 5 day work week, can be reached at (503) 286-3682 or cellular phone at (503) 250-0672

The plant manager is the Primary Emergency Coordinator and should be contacted first. If he is not available, the others should be called, in the order listed, until someone is reached. The Primary Emergency Coordinator and alternates have complete authority to commit all necessary resources of the company in the event of an emergency.

During off shifts, the shift operator will notify the Emergency Coordinator (above) who will assume responsibility for implementation upon his arrival at the terminal. Also, on weekends and holidays when there is no shift work occurring, the terminal is patrolled by NW Natural Pinkerton Security guards who make rounds through the terminal, hourly. The guards have been provided with a list of emergency phone numbers to call in case of a problem.

Phone numbers for Koppers Industries Corporate Contacts are provided on Page 14

2.4 Hazardous Materials Inventory

The products used, or stored on the Koppers facility are listed by tank number in, Table 3.7. (Tank Listings Table) and is found on page 11. These tanks' are also shown by number on the site map found on page 26. All other buildings and structures are also shown on the site map

3.0 SPILL PREVENTION, CONTROL, AND COUNTERMEASURES

3.1 Description

This section of the Plan provides information specific to the storage and handling of hazardous liquids, spill prevention and containment equipment, and countermeasures to be implemented to control the impact of a spill. The Tank Listings Table, Table 3.11, lists all the tanks at the Koppers terminal by number, along with contents and the tank capacities. The location of these can be found on the site map, on page 26.

3.2 Conformance with SPCC Standards and Guidelines

This facility meets the minimum requirements for diversionary structures and equipment to prevent discharged oil or hazardous substances from reaching navigable waters as required by 40 CFR 112.7© by providing secondary containment for all major tanks and process equipment.

The Northwest terminal is in conformance with the applicable guidelines of 40 CFR 112.7 ©. Rainwater is collected, stored and then tested prior to discharge, all in accordance with our NPDES permit requirements. Tank installations are equipped with secondary containment and are regularly inspected by operators. Spill prevention details for equipment and processes are discussed more fully below.

3.3 Inspections and Security

All operational areas in the plant are checked every 2 hours by the operator that is on duty, throughout each shift. Any problems or unusual circumstances which can not be immediately resolved are reported to the Supervisor.

3.4 General Plant Spill Prevention

A hazardous material spill can occur any place, any time. All employees are prepared to respond immediately to control the situation and to notify management. Containing a spill to the smallest area possible is the first step.

Containment can quickly be constructed using available equipment and supplies usually by placing dirt, sand, or available absorbent pads or absorbent containment booms around the lower side of a spill. If possible, a spill will be prevented from reaching the surface water drainage where it can spread more rapidly and have greater environmental and health impact.

Loading operations are supervised by employees familiar with the equipment involved. Buckets and/or pans are placed under hose connections to collect drips. The employees are trained to always be prepared that hoses and/or pipelines can be full of product and to take extra care when disconnecting hoses. Properly, and promptly cleanup any drips or spills. Supervisors must be notified of any spills that are outside of the containment areas. Collected materials will be returned to the processes or will be properly containerized for disposal.

3.5 Surface Drainage

The terminal property is at 37' above sea level and our out-fall for pumping off the collected storm runoff is located on the very southeastern tip of the property, at approximately a 10 ft elevation above a creek that flows to the Willamette River.

In the Northwest terminal there are two run-off patterns for site drainage. The first is directly in front of the office and away from any pitch handling areas. This area would not be threatened by spill. All other run-off areas from the plant feed into the tank farm and then into a concrete collection sump. Dual sump pumps (one operation and one standby) lift the run-off into the storm water storage tanks #1, #2, #3, #4, #5, and #6. When these tanks fill, they are sampled and the samples are taken to an Oregon Department of Environmental Quality approved laboratory for analysis in accordance with our NPDES permit. When the laboratory reports that the test results are within the parameters allowed in the NPDES permit, the water is pumped to the out-fall referenced above.

Equipment, including secondary spill containment, has been installed and procedures implemented to prevent oil or hazardous materials from leaving the plant. A spill is most likely to occur in the process area, where it can be contained.

Koppers has installed extensive paving at the coal tar distillate tank car heat exchanger unloading station, including paving between the rail tracks and the loading area for trucks. In addition, a below grade sealed concrete sump was installed as a catch basin. This catch basin has approximately 1500-gallon capacity. Also two-sump pumps have been installed. The first pump is automatically activated and pumps collected storm water into the tank farm storm water run-off collection system for further handling.

The second pump is energized only when unloading coal tar distillate rail cars. This pump is on a float activated switch and is piped to #39 tank, which is now designated as the emergency response tank at this location. Tank #39 is of sufficient capacity to hold the gallonage of a full tank car or 20,000 gallons. It is the duty of the loading/unloading employee to clear the catch basin of water then open the valve to tank #39 and energize the automatic pump. In this way, should a creosote spill occur, all precautions are in place to contain the release.

In the case of a spill in which hazardous materials or oils reach any of the drainage ditches immediate action must be taken to contain the spill. Temporary earth dams should be constructed using plant equipment along the ditches, creating a series of impoundments to contain the flow. Sorbent booms may be used to remove containments from the water held behind the dams as needed.

These dams can only hold back a limited amount of water, so emergency help should be contacted at the first sign that such a spill has occurred or may occur.

3.6 Tank Car Unloading

Tank cars are unloaded at the unloading station, where the process transfer pipelines are all above ground. The potential spill sources in this area include leaks from the process tanks, valves, pumps, and pipe systems. These leaks can best be prevented by proper valve and pump maintenance and equipment inspection during material transfers. Any leaks or drips must be cleaned up immediately.

As part of the operation procedures, drains and outlets on tank trucks and tank cars are checked for leakage before and after each loading and unloading operation. Operations personnel performing loading and unloading activities are instructed to inspect piping and pumps associated with these activities and to report spills or leakage.

The driver performs a visual inspection of the truck and trailer after each loading and if repairs are needed the truck is shopped for repairs.

The operating procedures included in this plan form the basis for the training of operating personnel in the prevention of coal tar distillate or coal tar pitch discharges. Job positions within the Northwest terminal require that new personnel, working in unfamiliar process areas will have a senior experienced employee to guide them. Personnel are also instructed in the operation and maintenance of equipment to prevent discharges.

3.7 Vessel Unloading

As of December 1999 a project was completed which gives this facility the capability of unloading liquid coal tar pitch vessels at the GASCO dock, directly to a new storage tank T-200. The unloading is accomplished through a pipeline that runs from the GASCO dock on the Willamette River to tank T-200. The liquid coal tar pitch is unloaded at an elevated temperature of approximately 400 degrees F. To maintain the liquid pitch at these temperatures there is a companion line that is attached to the outside of the unloading line, with a heat transfer oil running through it to provide the maintenance heat that is required. There is containment on the GASCO dock, at the end of the pipeline, should a release occur. In an effort to minimize the impact of such a release, a leak detection monitoring system has been installed on the heat transfer oil lines, which will automatically shut off the flow of the heat transfer oil, to and from the dock. There is curbed containment at the on shore leak detection monitoring station; and also around the tank T-200 area should a release occur at either location.

The discharges of our liquid coal tar pitch vessels, at the GASCO dock, will be handled through a contract for the tanker men services, with Pacific Terminal Services Inc.(PTSI). PTSI has amended their operating authority letter with the U. S. Coast Guard, their Oil Spill Contingency Plan, and their Operating Manual, to reflect the addition of the handling our liquid coal tar pitch.

3.8 Tank Farm

The concrete-wall-lined and earth-diked tank farm has a total containment capacity of approximately 2,900,000 gallons. Operators regularly walk and inspect this area, checking for corrosion, leaks or stains, or anything out of the ordinary. They also do any housekeeping as necessary.

Table 3.8
TANK LISTING TABLE
Koppers Industries, Northwest Plant

Tank No.	Current use	Last contained	Capacity (000)
1.	SW Surge	Crude Tar	60 M
2.	SW Surge	Crude Tar	1065 M
3.	SW Surge	Methyl Solvent	99 M
4.	SW Surge	Lt. Uncorrected Creosote	99 M
11.	SW Surge	Creosote	254 M
12.	SW Surge	Unknown	57 M
17.	SW Surge	Heavy Oil	20 M
18.	SW Surge	NSR Oil	20 M
19.	SW Surge	P & R Oil	20 M
20.	SW Surge	Creosote	317 M
23.	SW Surge	Lt. Uncorrected Creosote	20 M
33.	Heavy Oil	Heavy Oil	45 M
34.	SW Surge	NSR Oil	45 M
39.	SW Surge	Creosote	20 M
53.	SW Surge	Creosote	10 M
65.	Liquid Pitch	Heavy Oil	761 M
66.	SW Surge	Creosote	191 M
67.	Heavy Oil	Heavy Oil	102 M
68.	Liquid Pitch	Liquid Pitch	245 M
74.	SW Surge	Creosote	20 M
99.	SW Surge	Creosote	758 M
102.	Fume Tank	Heavy Oil	10 M
200	Liquid Pitch	Liquid Pitch	2000 M
V207	SW Surge	Liquid Pitch	17 M
240	Heat Transfer Oil	Heat Transfer Oil	2 M
250	Heat Transfer Oil	Heat Transfer Oil	2 M
SW #1	Storm Water (SW)		45 M
SW #2	Storm Water (SW)		45 M
SW #3	Storm Water (SW)		45 M
SW #4	Storm Water (SW)		45 M
SW #5	Storm Water (SW)		20 M
SW #6	Storm Water (SW)		20 M
DSL#1	Diesel Storage		4.5
DSL#2	Diesel Storage		4.5

3.9 Fuel and Lubrication Oil

Lubricating Oil is stored in 55-gallon drums, most of which are stored in the oil house building. Drums are stored upright and kept sealed. Dispensing areas are kept clean. Oil drippage is contained. Any minor spills are contained and cleaned up immediately.

3.10 Hazardous Waste Storage Facilities

Hazardous waste is placed in drums when generated. Full drums are stored in the drum storage area adjacent to the track 5 heating station. The drum or drums are then disposed of through RCRA approved facilities, within less than 90 days.

4.0 EMERGENCY RESPONSE PROCEDURES

4.1 General

This section of the Plan describes the actions that are to be taken by Koppers personnel in response to any injury, accident, fire explosion, or unplanned release of any hazardous material to the air, soil, or water.

4.2 Emergency Coordination

As soon as an employee discovers an emergency situation, that person shall quickly estimate the extent of the problem, take safe and appropriate control action, and then notify the terminal management immediately. Per the list in Section 2.3 page 7, the operator, who is present will assume the responsibilities of Emergency Coordinator (EC). Other personnel will respond as directed by the EC as needed.

The EC has Koppers Industries' authority to commit plant employees and contract labor and equipment, or to purchase supplies as needed.

Effective communication is vital in any emergency response. All terminal employees have portable two-way radios, which will be used for communication and coordination between the plant offices and yard areas. Phones may also be used between offices.

4.3 Immediate Response

As soon as an employee discovers an emergency situation, he should quickly determine the extent of the problem. If a simple action can be taken to control the situation, such as shutting a valve to stop the flow from a ruptured pipe and can be done safely, then the control action should be completed first. If there is no simple safe control action, or after taking such action the operator shall immediately notify the terminal management and any other personnel who may be endangered by the incident, by phone or radio.

4.4 Response Procedures

4.4.1 Upon discovery or notification that an emergency exists, the EC shall:

- Determine the extent of the emergency.
- Implement plant evacuation, if needed, to prevent injury.
- Call for outside assistance as needed.
- Start immediate control actions.
- Implement cleanup or other responses.
- Notify local, state, and federal agencies as required.
- Notify Koppers Pittsburgh Office.
- Assure completion of cleanup.
- Provide for storage of cleanup material, including hazardous waste
- Evaluate possible hazards to human health or environment.
- Make a final written incident report.
- Make other notifications as stated in Section 3.5, Emergency Notifications.

Many of these actions may occur concurrently.

4.4.2 Whenever there is a release, fire, or explosion, the emergency coordinator should immediately identify the character, exact source, the amount, and area affected by the incident. This may be done by observation, or review of facility records, or manifests and if necessary, by chemical analysis. Form 4.5.5, pages 17 – 20, should be used to document the information needed for notifications.

4.4.3 Concurrently, the Emergency Coordinator shall assess possible hazard to human health or the environment that may result from the release, fire, or explosion. This assessment shall consider both direct and indirect effects of the release, fire, or explosion (e.g., the effects of any hazardous or asphyxiating gases that are generated or the effects of any hazardous surface water run-off from water or chemical agents used to control fire and heat-induced explosions).

4.4.4 If the Emergency Coordinator determines that the facility has had a release, fire, or explosion which could threaten human health, or the environment, outside of the facility, or if the released amount or hazardous or extremely hazardous material exceeds the Reportable Quantity (RQ). These findings shall be immediately reported to the National Response Center as in Section 4.5, Emergency Notifications.

Note: That the reportable quantities for materials are listed in Section 4.5.

If his assessment indicates that evacuation of local areas may be advisable, appropriate local authorities shall be notified immediately. The Emergency Coordinator shall be available to help appropriate officials decide whether local areas should be evacuated.

4.4.5 During an emergency, the Emergency Coordinator shall take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other hazardous wastes or materials at the plant. These measures could include turning water sprays onto tanks, stopping and isolating processes, shutting off power to areas, collecting and containing released materials, or moving and isolating other containers

4.4.6 If some or all operations are stopped in response to an emergency, the emergency coordinator shall monitor tanks, pipes, valves, and other process equipment for leaks, pressure build-up or ruptures wherever appropriate.

4.4.7 Immediately after an emergency, the Emergency Coordinator shall provide for treating, storing, or disposing of recovered materials or wastes, contaminated soil, surface water or any other material that results from a release, fire or explosion.

4.4.8 Before resuming operations, the Emergency Coordinator shall:

a. Insure that clean-up is complete to the point that operations will not interfere or create further potential for hazardous waste release.

b. Insure that all emergency equipment is cleaned and fit for use.

c. If hazardous wastes or a hazardous waste unit has been involved, then advise the Dept of Environmental Quality and EPA region X that Steps a and b above are complete.

4.4.9 If hazardous wastes or the hazardous waste unit has been involved, the Emergency Coordinator shall submit a written report as requested by the Dept. of Environmental Quality. A copy of the completed report shall be maintained in the Operating Record.

4.5 Emergency Notifications

4.5.1 The Emergency Coordinator shall ensure that the necessary notifications are made. Form 4.5.5 entitled, "Emergency and/or Hazardous Materials Incident Report" is to be used. Page one is organized to provide all of the information needed for the initial verbal notification of the National Response Center of other agencies. As soon as a spill or other incident is discovered, the supervisor/manager who will do the reporting should begin filling in the information.

Page 2 should be used as a log of notification made. Get the position and name of the person who accepts the phone notifications. Also, if an incident number is assigned, as by the National Response Center, that number should be recorded. As more is learned about the incident, the report should be updated. Updates can be recorded on page 2 as well.

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Pages 1,2, and 3, competed either by hand or typed, can be used for the required written notification of agencies. These should be sent with cover litters showing everyone who will get copies. Copies must be kept in the plant's Operating Record.
Finally, page 4 should be used for Koppers Industries internal reporting of additional related information. KII has an obligation to report all spills, which could possibly impact overall cleanup work. The complete report, Pages 1,2,3, and 4 should be sent to the Environmental Program Manager including original photographs. He will provide the required notification to Beazer East. Inc.

4.5.2 What spills or incidents must be reported and to whom?

The following is a summary. Note that more than one category may apply.

If outside help is needed, IMMEDIATELY:
Call fire and/or other appropriate emergency agencies describe incident and needed assistance such as fire suppression, medical aid, evacuation and/or crowd control.

If a release or threatened release of hazardous material: OR

If a health threat or release outside of facility: OR

If the release results in or has the potential to cause an oil sheen on or discoloration of runoff water.

Call 911 for immediate help. If the release involved a Reportable Quantity (RQ) then call both the Oregon Emergency Management Office at 1-800-424-8802 and the National Response Center at 1-800-424-8802.

Such releases that cannot be recovered must also be included in the SARA Title III annual reports

If the release results in or has the potential to reach the City Storm or Sanitary Sewer drains IMMEDIATELY:

Call the Duty Officer at 823-7180

If hazardous waste or a hazardous waste unit is involved OR if the plant contingency plan is implemented: IMMEDIATELY AND NOT LATER THAN 24 HOURS:
Call the Oregon Emergency Management Office at 1-800-452-0311
AND, Within 15 days
Submit a written report of the incident to them at:

595 Cottage Street. N.E.
Salem, Oregon 97310

If the release impacts the waters of the United States, a written report must also be sent to the EPA as follows: Environmental Protection Agency

Director, Region X
1200 Sixth Avenue
Seattle, Wash. 98101

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If injuries result in 3 or more people being hospitalized or 1 or more persons killed, **IMMEDIATELY:**
Call the US Occupational Safety and Health Administration or authorized state OSHA agency **WITHIN 8 HOURS!**

In all cases, as soon as the emergency situation allows, Koppers management in Pittsburgh shall be called. Follow the guidance contained in "Internal Emergency Notification Procedures" for Koppers Industries, Inc. At least one of the following contacts in Pittsburgh shall be notified:

Name, Position	Work Phone	Home Phone	Cellular Phone
Traci Self, Mgr. Environmental Compliance	412/227-2883	412/247-5253	412/913-9358
Heath Huschak, Mgr. Health & Safety	412/227-2677	412/233-2707	412/916-6533
Leslie Hyde, Mgr. Loss Control	412/227-2237	412/431-8662	412/398-1305

Form 4.5.3
EMERGENCY AND/OR HAZARDOUS MATERIALS
INCIDENT REPORT

OWNER/OPERATOR:	Koppers Industries, Inc.
Plant Name:	Northwest Terminal
Street Address:	7540 N.W. Saint Helens Road.
City/State/Zip:	Portland, Or 97210-3663
Phone:	(503) 286-3681
EPA ID#:	ORD 0267734359

FACILITY: Same as above

DATE OF INCIDENT: _____ TIME OF INCIDENT: _____

TYPE OF INCIDENT: Fire, Explosion, Hazardous Material Spill,
(circle one) Hazardous Waste Spill, Injury Accident

Other: _____

MATERIAL INVOLVED:

Name	Quantity	Media (soil, water, etc.)
_____	_____	_____
_____	_____	_____
_____	_____	_____

EXTENT OF INJURIES, IF ANY:

_____

_____

DISPOSITION OF RECOVERED MATERIAL:

Material	Quantity	How Disposed or Stored
_____		
_____		

Form 4.5.3
EMERGENCY AND/OR HAZARDOUS MATERIALS
INCIDENT REPORT

NOTIFICATION LOG:

Agency	Phone No.	Name of Person	Date/Time Notified
Portland Fire Dept.	911	_____	_____
Oregon Emergency Management	1-800-452-0311	_____	_____
National Response Center	1-800-424-8802	_____	_____
Oregon OSHA	229-5910	_____	_____
City Duty Officer (For Storm, Sewer, Drain Contamination, only)	823-7180	_____	_____
Northwest Natural	224-3532	_____	_____
Wacker Siltronics	243-2020	_____	_____
Security for FAB #1	Ext. 7420	_____	_____
Security for FAB #2	Ext. 4300	_____	_____
Fuel & Marine Marketing, LLC	286-5321	_____	_____

Form 4.5.3
EMERGENCY AND/OR HAZARDOUS MATERIALS
INCIDENT REPORT

Manager of Environmental Compliance, Traci Self

Office	412-227-2883
Home	412-247-5515
Cellular	412-913-9358

ADDITIONAL DESCRIPTION OF INCIDENT AND ACTIONS TAKEN (Attach page if needed):

REPORT BY (Name): _____ DATE_____

REPORT REVISED: _____ DATE_____

REPORT REVISED: _____ DATE_____

Table 4.5.3
EMERGENCY AND/OR HAZARDOUS MATERIALS
INCIDENT REPORT

SUPPLEMENTAL INFORMATION REPORT
(This part of the report is intended for KII internal use only.)

CLEARLY DESCRIBE HOW INCIDENT OCCURRED:

_____

_____

_____

_____

_____

_____

WHAT ACTS OR CONDITIONS MOST DIRECTLY CAUSED THE INCIDENT

_____

_____

_____

_____

_____

_____

DESCRIBE ANY RESIDUAL CONTAMINATION OR IMPACT:

_____

_____

_____

_____

_____

_____

ATTACH PHOTOGRAPHS WHICH SHOW INCIDENT AREA, BEFORE AND AFTER RESPONSE ACTIONS. MARK DATE ON PHOTOS. ATTACH ADDITIONAL SHEETS AS NEEDED TO DESCRIBE INCIDENT AND THE RESPONSE ACTIONS TAKEN.

4.6 Available Equipment

The following equipment is available at the plant:

EQUIPMENT	STORAGE LOCATION	CAPABILITIES
Front-end loader	Pitch storage building	Placement of materials and equipment, construct containments, control and contain spillage area.
1 Pickup Truck	Office parking lot	Transport materials and equipment
Oil absorbent Pads and Booms	Various Emergency--Response Cabinets	Absorb and contain spilled liquids.
Lift Truck	Shop area	Transport and placement of materials and equipment
Portable Pump	Shop area	Pump liquids back into containments.
Sand	Along the wall, West of the boiler house	Containment dam building material and absorbent
Hand tools	Shop area	Pick-up contaminated soil and material and clean spillage area.
Drums	North-side pitch- - warehouse	To hold contaminated soil and material from clean-up actions

The above equipment can be effectively used to control and clean a spill of oil, hazardous material or hazardous waste. Trucks and tractors can be used to transport and place soil for containment dams, absorbing spilled liquid, and contaminated soil from cleanup actions. Pumps can be used to pump spilled liquid back into containments. After response action is complete, equipment should be placed on the drip pad or vehicle wash pad and be decontaminated with the steam cleaner prior to being released from the response.

4.7 Emergency Response Contract Service

Koppers has a Corporate Agreement with IT Corporation to provide for any environmental services in the event of an emergency. IT Corporation can be reached 24 hours per day at # 1-800-537-9540. Ask for the "EMERGENCY RESPONSE MANAGER". IT Corporation is to provide notification within 30 minutes after receipt of the emergency call, of its acceptance of the work and their expected response time.

4.8 Fire and Disaster Response Plans

4.8.1 This section of the Plan provides additional information on specific response actions to be taken in the event of a major disaster, emergency, or other disruption. Such an event could include:

- Fire or explosion
- Earthquake
- Strike or civil strife

4.8.2 Fire disasters can occur anywhere in the plant environment, so all employees should be knowledgeable as to the proper method for handling all types of fires, and where the largest potential risk areas are located. Communications with and between plant employees is vital to a safe and effective response.

4.8.3 Designated Response Stations

In the case of a disaster or other major incident, employees shall secure their work areas and processes and then report to the Plant Manager and/or General Foreman, at the main office, if they are not directly involved in Emergency Response.

Plant Office Employees stay at the office. Coordinate outside calls, inquiries and media contacts

4.8.4 Evacuation

The need for evacuation shall be signaled by a message over the radio to all employees. All employees shall follow the safest path to meet at the closest location outside the property fence. If the main entrance is **not** affected, the employees should meet at Wacker Siltronics guard shack on the entrance road. If the main entrance is effected, than the closed safe location outside the property fence will have to be determined; generally, that would be towards N W Naturals LNG plant or towards the river behind the pencil pitch storage buildings.

Supervisors shall account for all of their employees, notify the EC when they are "all clear" and relay further instructions. An alternate location will be designated and announced at the time of the incident if the Main office is not a safe check-in location.

4.8.5 Fire Suppression Systems

Fire Hose and Hose Reels are located at strategic points around the terminal. Employees must be familiar with ones within their work areas.

Fire Extinguishers are located throughout the plant and on rolling stock. CO-2 and ABC Dry Chemical types are used exclusively.

Dry Fire Water Suppression piping system is located at the ship unloading dock.

4.8.6 Civil Strife, Strike

Emergencies resulting from or shutdowns as a result of, civil strife or strike situations require the control of people entering the plant, both authorized and unauthorized. Local law enforcement agencies can be helpful in achieving this goal, but in-plant security is management's immediate concern. When a total shutdown is planned, and security measures are to be implemented, the following should be observed.

Boiler

- Secure door locks.
- Follow established shutdown procedure.
- Assure that all steam line drains are open

Hazardous Waste Storage Area

- Properly store all hazardous waste drums in the Boiler House.
- Lock doors.

Major Operations

- Secure electrical panels.
- Turn off air compressors, shut valves.
- Store and secure portable tools, cords, hoses, etc.
- Clean up area for safety and fire protection.

Rolling Stock

- Park centrally in area in front of shop.

Gates

- Keep locked at all times.
- Put on new locks to prevent unauthorized entry.

Security Patrols

- Security patrols will be made 24 hours per day.
- Communication will be maintained at all times between the patrols and the main office by radio.

Lighting

- The plant has general yard lighting system consisting of flood lights streetlights and incandescent lighting. Outdoor lighting in front of the main office is controlled by photocells.

4.9 Medical Emergency Plans

Emergency and first aid supplies are maintained at the following work locations:

Main Office (Main supply Center)
Control Room (Intermediate supply location)
Maintenance Shop (Intermediate supply location)

First aid supplies are intended for use on minor cuts, abrasions, and burns requiring simple care such as band-aids, disinfectant, or ointment. Supplies are also available for the immediate treatment of severe injuries while awaiting professional medical care, such as gauze pads, bandages, and splints.

Any First aid applied at the plant by plant employee's, is in no way intended to replace any needed medical attention, but only to help prior to receiving professional treatment

If serious Injury occurs, assure that an ambulance is called immediately.

5.0 STORM WATER POLLUTION PREVENTION PLAN

5.1 General

This section of the Plan describes the pollution prevention procedures and facilities for this plant to minimize the impact of storm water runoff to the surrounding environment. This section specifically addresses the requirements of our Storm Water Industrial NPDES Permit.

5.2 Pollution Prevention Objectives and Process

All boiler blowdown water and storm water runoff is collected in our tank farm and is handled under the terms and conditions of our NPDES permit. No discharges are made unless they meet these terms and conditions.

6.0 TRAINING

All plant employees shall receive training on the content of this plan. Supervisors will each receive a copy and become thoroughly familiar with it through training, discussion, and self study. Supervisors will train their employees in the overall plan and in the specific needs of their work areas.

Training will, at a minimum, include programs to ensure that facility personnel understand basic procedures for pollution prevention and good housekeeping and are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including, as applicable to each employee's job function:

- Procedures for using, inspection, repairing, and replacing facility emergency and monitoring equipment;
- Communications and alarm systems;
- Response to fires or explosions;
- Response to ground water or surface water contamination
- Shutdown of operations;
- Methods for the safe handling of hazardous materials;
- Procedures for coordination with local emergency response organizations;
- Use and location of medical supplies;
- Use of emergency response equipment and supplies appropriate to work areas;

- Emergency response procedures and plans contained within this SPCC and Contingency Plan.

Refresher training will be provided at least annually. New employees will not work in unsupervised positions until they have completed all training required for those positions. Supervisors will provide training to their employees and management will assure that supervisors are properly trained.

Employees with specific additional job related training needs will also be given that training, such as hazardous waste handling training as required by RCRA and State regulations, hazardous waste operating procedures for fuel additive to the boiler, storm water pollution prevention, and waste water operations.

This training may be coordinated and take place concurrent with Hazard Communication and RCRA training, safety meetings and annual updates.

Michael H. Juba MS CIH
Director of Global Product Safety and Health

Certified Mail 7001 1140 0000 0205 4553

Koppers Inc.
436 Seventh Avenue, Suite 1800
Pittsburgh, Pa. 15219-1800
Tel 412-227-2882
Fax 412-227-2423
jubamh@koppers.com
www.koppers.com

January 23, 2008

Ms. Kyla Townsend-McIntyre
Pesticides Programs (3WC32)
USEPA – Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

Subject: **Pesticide Report for Pesticide-Producing And Device Producing Establishments Reports**

Dear Ms. Townsend-McIntyre:

Enclosed are the 2007 Pesticide Report for Pesticide-Producing and Device-Producing Establishments Reports (EPA Form 3540-16) for Koppers Inc facilities located in:

Clairton, PA
Dolomite, AL
Follansbee, WV
Nyborg, Denmark
Portland, OR
Stickney, IL
Port Clarence, United Kingdom

The above forms are in compliance with Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as amended (92 Stat. 829.7 U.S.C. 136e)

The distillation plant located at Dolomite, AL is closed and is being dismantled. As such, we would like to cancel this establishment number (000061-AL-001).

Should you have any questions, please contact me by e-mail at jubamh@koppers.com or by telephone 412-227-2882.

Sincerely

Michael H. Juba MS CIH
Director of Global Product Safety and Health
jubamh@koppers.com
www.koppers.com

Enclosure(s)

Bcc: M. Mancione
W. Plovic
G. Traczek
T. Shannon
K. Probst
N. Weinstein
M. Cilley
T. J. Turner
R. Formstone
K. Tonnesen
S. Flynn
R. Wagner
T. O'Toole

United States

Form Approved OMB No. 2070-0078

ENVIRONMENTAL PROTECTION AGENCY

Washington, DC 20460

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Office of Enforcement and Compliance Assurance

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. sec. 136e)

1. Company Name	Koppers Inc.	8. EPA Est. No.	000061 - OR - 001
2. Company HQ Mailing Address	436 Seventh Ave	9. Establishment Name	Koppers Inc. Portland Plant
3. City	Pittsburgh	10. Establishment Site Address	7540 NW St Helens Road
4. State or Country	PA	5. Zip Code	15219-1800
11. City	Portland		
6. Telephone Number	412 227-2882	12. State or Country	OR
13. Zip Code	97210		
7. Check here if Company name or mailing address changed ☐		14. Check here if Establishment name or site address changed ☐	15. Did not produce or distribute ☒
16. Name of Company Official	Kevin Fitzgerald	17. Title of Company Official	Sr. VP Global Carbon Materials & Ch
18. Signature of Company Official	Kevin Fitzgerald	19. Date	1/23/08

Pesticide Production Information

20. Product Code	(If "4" and **device**, go to Item 22. If "4" and **chemical**, attach formulation per instructions.)		21. EPA Product Registration No.		
22. Product Name			23. Product Classification		
24. Product Type	25. Market Sold To	26. Use Classification	27. Unit of Measurement	G=gal; K=kg; L=liter; P=lbs.; T=tons; U=units	
28. Amount Produced, Repackaged or Relabeled	[2007]				
29. Amount Sold or Distributed - In the U.S.	[2007]				
30. Amount Sold or Distributed - Outside the U.S. **(Foreign establishments enter "0")**	[2007]				
31. Estimated Amount To Be Produced, Repackaged or Relabeled in	[2008]				

20. Product Code	(If "4" and **device**, go to Item 22. If "4" and **chemical**, attach formulation per instructions.)	21. EPA Product Registration No.		
22. Product Name		23. Product Classification		
24. Product Type	25. Market Sold To	26. Use Classification	27. Unit of Measurement	G=gal; K=kg; L=liter; P=lbs.; T=tons; U=units
28. Amount Produced, Repackaged or Relabeled	[2007]			
29. Amount Sold or Distributed - In the U.S.	[2007]			
30. Amount Sold or Distributed - Outside the U.S. **(Foreign establishments enter "0")**	[2007]			
31. Estimated Amount To Be Produced, Repackaged or Relabeled in	[2008]			

EPA Reviewer	EPA	Postmark Date	Date Reviewed	Reporting Year **2007**

Koppers014547

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001

June 26, 1990

Ms. Sandra Anderson, Project Manager
Site Response Section
Environmental Cleanup Division
Oregon, Department of Environmental Quality
8911 SW Sixth Avenue
Portland, Oregon 97204-1390

CERTIFIED MAIL
RETURN RECEIPT
REQUESTED

Re: Koppers Industries, Inc.
7540 NW St. Helens Road
Access to Property Request

Dear Ms. Anderson:

I am in receipt of your letter of June 12, 1990, in which ODEQ is requesting permission for access to our property for the purpose of installing and sampling a series of groundwater monitoring wells.

Although Koppers Industries, Inc. (KII) is not a respondent in Consent Order ECSR-NWR-89-3, the company wishes to cooperate fully with the agency regarding its investigation of the hydrogeological conditions of the Doane Lake Study Area.

Accordingly, I have signed the "Consent for Access to Property" agreement which you will find enclosed herewith.

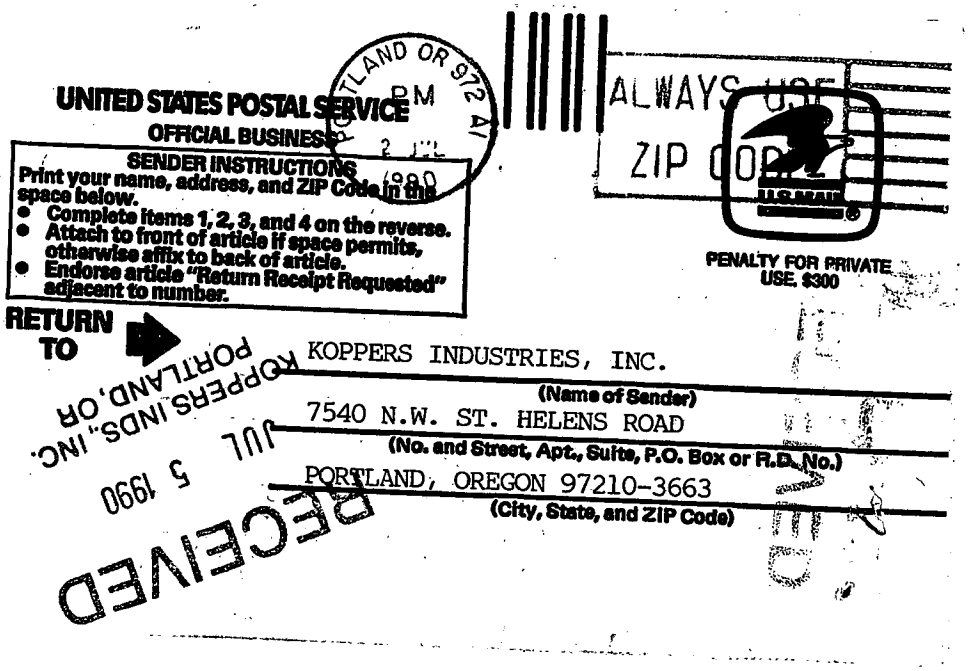
Please keep me advised of the agency's intentions regarding any activity which may require access to our property.

Sincerely yours,

John A. Oxford
Plant Manager

cc: Claudia Powers, Lindsay, Hart, Neil & Weigler
Larry Edelman, DOJ
Tom Miller, SRS, DEQ

bcc: J. R. Batchelder, K-1701
L. F. Flaherty, K-1750
W. E. Swearingen, K-1801
Amos Kamerer, Northwest
K. S. Komoroski, DIckie, McCamey & Chilcote


UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS
SENDER INSTRUCTIONS
Print your name, address, and ZIP Code in this space below.
• Complete items 1, 2, 3, and 4 on the reverse.
• Attach to front of article if space permits, otherwise affix to back of article.
• Endorse article "Return Receipt Requested" adjacent to number.
RETURN TO
KOPPERS INDUSTRIES, INC.
(Name of Sender)
7540 N.W. ST. HELENS ROAD
(No. and Street, Apt., Suite, P.O. Box or R.D. No.)
PORTLAND, OREGON 97210-3663
(City, State, and ZIP Code)
PENALTY FOR PRIVATE USE, $300
U.S. MAIL
RECEIVED
JUL 5 1990
KOPPERS INDS., INC.
PORTLAND, OR

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1. ☐ Show to whom, date and address of delivery.
2. ☐ Restricted Delivery.

3. Article Addressed to:

Ms. Sandra Anderson, Project Mgr.
Environmental Cleanup Division
Ore. Dept. of Enviromental Quality
811 S.W. Sixth Avenue
Portland, Oregon 97204-1390

4. Type of Service:

☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail

Article Number: 455 996 663

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X Victoria Erwin

6. Signature – Agent
X

7. Date of Delivery

8. Addressee's Address *(ONLY if requested and fee paid)*

U.S. POSTAGE PAID PORTLAND, OR SEP 29 1990

DOMESTIC RETURN RECEIPT

Koppers014550

NEIL GOLDSCHMIDT
GOVERNOR

Department of Environmental Quality

811 SW SIXTH AVENUE, PORTLAND, OREGON 97204-1390 PHONE (503) 229-5696

June 12, 1990

CERTIFIED MAIL NO. P-915-446-903
RETURN RECEIPT REQUESTED

Mr. John Oxford
Koppers Industries, Inc.
7540 N. W. St. Helens Road
Portland, OR 97210

Dear Mr. Oxford:

Pursuant to an Order on Consent (copy attached), a preliminary investigation to determine the nature and extent of groundwater contamination in the Doane Lake industrial area is being conducted by certain private parties who have facilities located in the area.

To carry out the investigation as required, access to your property at 7540 N. W. St. Helens Road, Portland, Oregon may be required for the purpose of installing monitoring wells, sampling existing monitoring wells, measuring water elevations, evaluating wells and/or sampling from wells.

The Department of Environmental Quality is arranging for access to private properties pursuant to its authority -- ORS 465.250(2) and ORS 465.260 -- in the area so that the investigation may proceed expeditiously.

A "Consent for Access to Property" form is enclosed for your review and signature.

Please review and sign the form and return it to me by July 1, 1990.

If you have any questions regarding the form or the investigation, please do not hesitate to call me at (503) 229-6744.

Thank you very much for your cooperation in facilitating this important investigation.

Sincerely,

Sandra Anderson

Sandra Anderson, Project Manager
Site Response Section
Environmental Cleanup Division

SA:m
SITE\SM3083
Enclosures
cc: Claudia Powers, Lindsay, Hart, Neil & Weigler
Larry Edelman, DOJ
Tom Miller, SRS, DEQ

OCCUPATIONAL HEAL
PRODUCT SAFETY

STATE OF OREGON

DEPARTMENT OF ENVIRONMENTAL QUALITY

In the Matter of:	)	DEQ NO. ECSR-NWR-89-13
	)	
ESCO Corporation;	)	ORDER ON CONSENT
Gould, Inc.;	)	
NL Industries, Inc.;	)	
Northwest Natural Gas Company;	)	
Pacific Northern Oil Company;	)	
Pennwalt Corporation;	)	
Rhone-Poulenc AG Company; and	)	
Schnitzer Investment Corp.,	)	
	)	
Respondents.	)	
	)	

Pursuant to ORS 466.570(4), the Director, Oregon Department of Environmental Quality (DEQ), issues this Order on Consent ("Consent Order") to ESCO Corporation; Gould, Inc.; NL Industries, Inc.; Northwest Natural Gas Company; Pacific Northern Oil Company; Pennwalt Corporation; Rhone-Poulenc AG Company; and Schnitzer Investment Corp. (collectively, Respondents). This Consent Order contains the following provisions:

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1. Purpose.

The mutual objective of DEQ and Respondents is to implement the Scope of Work ("SOW"), attached to and incorporated by reference into this Consent Order, as Attachment A. This investigation outlined in the SOW is necessary to evaluate the hydrogeological conditions in the Doane Lake Study Area ("Study Area") and the interrelationships between remediation, if any, of groundwater at the Gould, Inc. Superfund site and hydrogeological conditions underlying Respondents' sites in the Study Area.

2. Stipulations.

Respondents and DEQ consent and agree:

(A) To issuance of this Consent Order;

(B) To perform and comply with all provisions of this Consent Order;

(C) To not challenge DEQ's jurisdiction to issue and enforce this Consent Order;

(D) To waive any right Respondents might have to seek judicial or administrative review of this Consent Order prior to commencement of action by DEQ to enforce any of the provisions hereof.

(E) That this Consent Order shall not be admissible in any administrative or judicial action except an action to enforce any of its

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Northwest Natural Gas Company owns and operated a site at 7900 N. W. St. Helens Road, Portland, Oregon.

Pacific Northern Oil Company operates a site at 7900 N. W. St. Helens Road, Portland, Oregon.

Pennwalt Corporation owns and operates a site at 6400 N. W. Front Avenue, Portland, Oregon.

Rhone-Poulenc AG Company owns and operates a site at 6200 N. W. St. Helens Road, Portland, Oregon.

Schnitzer Investment Corporation owns and operated a site at 6501 N. W. Front Avenue, Portland, Oregon.

Attachment B, attached to and incorporated by reference into this Consent Order, is a site diagram indicating the relative location of the sites of each of the Respondents.

C. The DEQ finds that there has been a release or a threat of release into the environment of hazardous substances at the Study Area.

D. In addition to the parties who are signatories to this Agreement, DEQ has notified the following entities that they may be liable parties pursuant to ORS 466.567 for conduct of activities addressed in this Order on Consent:

Wacker-Siltronic Corporation
Liquid Air Corporation
Koppers Industries, Inc.

These entities have declined or have not responded to requests by DEQ that they participate in this Order on Consent. DEQ reserves all legal rights and remedies with respect to these nonsettling entities and this Order on Consent shall not relieve any of them from any liability they may have under applicable state, federal, or common law.

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terms.

(F) That Respondents' rights and duties under this Consent Order shall not be subject to any rules adopted under ORS 466.553 subsequent to issuance of this Consent Order.

(G) To not litigate, in any proceeding brought by DEQ to enforce this Consent Order or to assess penalties for noncompliance with this Consent Order, any issue other than Respondents' compliance with this Consent Order;

(H) To not assert, in any proceeding brought by DEQ to enforce this Consent Order or to assess penalties for noncompliance with this Consent Order, that performance of an interim remedial action or removal measure under this Consent Order by Respondents discharges Respondents' duty to fully perform all remaining provisions of this Consent Order.

3. Findings of Fact.

DEQ makes the following findings without admission of any such facts by Respondents:

A. Respondents are Oregon Corporations or are foreign corporations that are now doing business in the State of Oregon, or are foreign corporations that formerly did business in the State of Oregon so as to render them subject to the jurisdiction of the courts of this state.

B. ESCO Corporation owns and operated a site at 6900 N. W. Front Avenue, Portland, Oregon.

Gould, Inc. owns and operated a site at 5909 N. W. 61st Street, Portland, Oregon.

NL Industries, Inc. owned and operated a site at 5909 N. W. 61st Street, Portland, Oregon.

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4. Conclusions of Law and Determinations.

Based on the above Findings of Fact DEQ determines, without admission of any such determinations by Respondents and without waiver of Respondents' rights to challenge such finding of fact or determinations in any proceedings other than one brought by DEQ to enforce the provisions of this Consent Order that:

A. Each Respondent is a "person" under ORS 466.540(13).

B. Each Respondent's property is a "site" under OAR 340-122-020.

C. The presence of hazardous substances in the ground water in the Doane Lake Area constitutes a "release" or threat of "release" into the environment under ORS 466.540(14).

D. The activities required by this Consent Order are necessary to protect public health, safety, welfare and the environment.

Based on the above Stipulations, Findings of Fact, and Conclusions of Law and Determinations, DEQ ORDERS:

5. Work to be Performed.

A. Scope of Work.

Within 60 days of issuance of this Consent Order, Respondents shall submit for DEQ review and comment, a Work Plan to implement the Scope of Work (SOW), Attachment A. Respondents shall commence implementation of the Work Plan within 30 days of approval of the Work Plan by DEQ.

B. Reports.

Respondents shall submit reports that document all activities completed under the Work Plan and shall be submitted in accordance with the schedule in the Work Plan.

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C. Monthly Status Reports.

Respondents shall submit monthly status reports to DEQ outlining activities conducted during the past month and activities planned for the upcoming month, and including a summary of data results received during the previous month.

6. Public Participation.

Upon issuance of this Consent Order, DEQ will provide public notice of this Consent Order through, at least but not limited to, a press release to local paper(s) of general circulation describing the activities to be performed by Respondents under this Consent Order; provided, however, Respondents shall have received a draft of the press release or other communication prepared for distribution to the public at least five (5) working days before issuance of the release, and DEQ will consider in good faith any comments by Respondents on any release prior to issuance. Copies of the Consent Order will be made available to the public.

7. General Provisions.

A. Respondents' Access.

Each Respondent shall be responsible for obtaining in a timely fashion access to such Respondent's site and other property in its possession and control as is necessary to carry out the requirements of this Consent Order. This Consent Order does not convey any rights of access to Respondents. With respect to any other premises where work is reasonably necessary to carry out the requirements of this Consent Order, which premises is not under the ownership or control of Respondents or any one of them, DEQ shall use its best efforts to obtain access to such premises so as to enable Respondents to fully perform the requirements of this Consent Order.

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B. DEQ Access and Oversight.

(1) Upon reasonable prior notice and during normal business hours each Respondent shall allow DEQ to enter and move freely about portions of such Respondent's property only as necessary for, and only as related directly to, this Consent Order, which may include to the extent related directly to the work under this Consent Order: (a) observing Respondents' progress in implementing this Consent Order; (b) conducting such tests and taking such samples as DEQ deems necessary; (c) verifying data submitted to DEQ by Respondents; (d) using camera, sound recording, or other recording equipment. To accommodate Respondents' proprietary concerns the DEQ will allow Respondents' personnel to operate the camera, sound or other recording devices so long as the DEQ is satisfied that the manner and content of the photographs and recordings are accurate and provide all information appropriately sought by the DEQ. Respondents shall permit DEQ to inspect and copy all records, files, photographs, documents, and data relating to work under this Consent Order, except that Respondents shall not be required to permit DEQ inspection or copying of items subject to attorney-client and attorney work product privileges.

(2) DEQ employees, agents, or contractors, when on any Respondent's premises, shall abide by all reasonable and customary safety procedures and protocols established by the Respondent and shall use their best efforts to avoid disruption of a Respondent's normal business or production activities.

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C. Project Coordinators. All reports, notices, and other communications required under or relating to this Consent Order shall be directed to:

DEQ Project Coordinator:	Respondents' Steering Committee Chairperson:
Sandra Anderson Environmental Cleanup Division Department of Environmental Quality 811 Southwest Sixth Avenue Portland, Oregon 97204 (503) 229-6744 FAX: (503) 229-6124	Claudia K. Powers Lindsay, Hart, Neil and Weigler Suite 1800 222 S. W. Columbia Portland, Oregon 97201-6618 (503) 226-1191 FAX: (503) 226-0079

D. Notice and Samples.

Respondents shall make every reasonable attempt to notify DEQ of any excavation, drilling, or sampling to be conducted under this Consent Order at least five (5) working days prior to such activity but in no event less than twenty-four (24) hours prior to such activity unless otherwise agreed or in an emergency situation. Upon DEQ's oral request, confirmed in writing as soon as practicable, Respondents shall provide DEQ with a split or duplicate of any sample taken pursuant to this Consent Order. In the event DEQ conducts any sampling or analysis in connection with this Consent Order, DEQ shall notify Respondents of any excavation, drilling, or sampling at least five (5) working days prior to such activity but in no event less than twenty-four (24) hours prior to such activity. Upon Respondents' oral request, DEQ shall provide Respondents with a split or duplicate of any samples taken in connection with this Consent Order and promptly shall provide Respondents with copies of all analytical data for such samples.

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E. Quality Assurance.

Respondents shall conduct all sampling, sample transports, and sample analysis in accordance with the Quality Assurance/Quality Control ("QA/QC") provisions submitted to DEQ pursuant to the Work Plan. Respondents shall ensure that each laboratory used by Respondents for analysis performs such analyses in accordance with such provisions. In the event DEQ conducts any sampling or analysis in connection with this Consent Order, DEQ shall conduct such sampling, sample transport, and sample analysis in accordance with Quality Assurance/Quality Control guidance established and published by DEQ or the United States Environmental Protection Agency and shall provide Respondents with documentation demonstrating compliance with such guidance.

F. Records.

(1) Submission upon request.

In addition to those reports and documents specifically required under this Consent Order, Respondents shall provide to DEQ within ten (10) days of DEQ's written request copies of QA/QC memoranda and audits, data which have undergone QA/QC review, final plans, reports, directions to contractors, field logs, laboratory analytical reports, and any other documents that relate directly to the work under this Consent Order except to the extent that any such other documents are subject to any attorney-client or attorney work product privileges.

(2) Preservation.

Each Respondent shall preserve all records and documents in the possession or control of Respondent or its respective employees, agents, or contractors that relate directly to activities under this Consent Order for at least five (5) years after the last certification of completion under Section 8

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of this Consent Order. Except as exempted under subsection (1) of this Section F and upon DEQ's request, a Respondent shall provide copies of such records to DEQ.

(3) Confidentiality.

Any Respondent may assert a claim of confidentiality regarding any documents, records or information submitted to or compiled by DEQ pursuant to this Consent Order. DEQ shall treat documents, records and information for which a claim of confidentiality has been made in accordance with ORS 192.410 through 192.505. If a Respondent does not make a claim of confidentiality at the time the documents, records or information are submitted to or copied by DEQ, the documents, records or information may be made available to the public without notice to the Respondent.

G. Other Applicable Laws.

All actions under this Consent Order shall be performed in accordance with all applicable federal, state, and local laws and regulations; provided, in accordance with ORS 466.573, any on-site activities hereunder may be exempted from any applicable requirements of ORS 466.005 through 466.350 and ORS Chapters 459 and 468.

H. Reimbursement of DEQ Oversight Costs.

Until completion of work to be performed under this Consent Order, DEQ shall accrue costs incurred after issuance of this Order by DEQ or the State of Oregon in connection with any activities related to oversight of this Order.

Oversight costs to be accrued shall include both direct and indirect costs. Direct costs include direct labor costs, site specific expenses, DEQ contractor or legal costs, and any other costs related to DEQ oversight of this

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Order. The indirect cost rate shall be the rate charged by DEQ on federal agreements. That rate will vary as the rate charged on federal agreements varies.

DEQ reserves the right to seek reimbursement of any costs incurred by the state in connection with oversight activities related to this Consent Order from any person(s) who may be liable for such costs under ORS 466.567 or other applicable law. Nothing contained herein shall be a finding or an admission that Respondents are so liable.

I. Force Majeure.

(1) If any event occurs that is beyond Respondents' reasonable control and that causes or might cause, in whole or in part, a delay or deviation in performance of the requirements of this Consent Order, Respondents shall promptly notify DEQ's Project Coordinator orally of the cause of the delay or deviation and its anticipated duration, the measures that have been or will be taken to prevent or minimize the delay or deviation, and the timetable by which Respondents propose to carry out such measures. Respondents shall confirm in writing this information within five (5) working days of the oral notification.

(2) If Respondents demonstrate to DEQ that the delay or deviation has been or will be caused, in whole or in part, by circumstances beyond the control and despite the due diligence of Respondents, DEQ shall extend times for performance of related activities under this Consent Order as appropriate. Circumstances or events beyond Respondents' control include but are not limited to acts of God, strikes or work stoppages, fire, explosion, riot, sabotage, war, or DEQ's inability to gain access to any property pursuant to section 7(A) of this Consent Order. Increased cost of performance, or changed business or

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economic circumstances, shall be presumed not to be circumstances beyond Respondents' control.

J. DEQ Approvals.

(1) Where DEQ review and approval is required for any plan or activity under the Work Plan under this Consent Order, Respondents shall not proceed with the plan or activity until DEQ written approval is received. DEQ approval shall not be unreasonably withheld. DEQ shall make every good faith attempt to respond to the plan or activity submittal within thirty (30) days of receipt of the submittal with either an approval or disapproval. If limited resources or other agency priorities prevent DEQ from responding within thirty (30) days, DEQ shall notify Respondents. Such approval shall not be required for activities undertaken individually by a Respondent on its property and not as implementation of the Work Plan under this Consent Order. Any delay in granting or denying approval shall correspondingly extend the time for completion by Respondents of that activity and each successive related activity.

(2) In the event of disagreement between Respondents and DEQ regarding review and approval of a plan or activity, or regarding interpretation of data, Respondents and DEQ shall provide each other their respective positions in writing regarding the disputed matter and shall make a good faith effort to resolve any disagreement including face-to-face meetings. In the event DEQ and Respondents cannot resolve the disagreement by this method, DEQ and Respondents may upon mutual agreement select a mutually acceptable, qualified, and neutral fact-finder. A party that declines to agree to a neutral fact-finder shall provide the other party a written statement of the reasons for declining to submit the disputed issue to a fact-finder. The

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DEQ's act of declining submittal of a disputed matter to a neutral fact-finder shall not be considered a final agency action for purposes of judicial review. The fees and expenses of the fact-finder shall be borne equally by DEQ and Respondents and DEQ's costs so incurred shall not be subject to reimbursement as an oversight cost.

(3) Within twenty (20) working days after selection of the fact-finder, DEQ and Respondents shall jointly provide the fact-finder an agreed-upon statement of the precise nature of the dispute and a copy of the procedures to be followed by the fact-finder as set forth in this subsection. Within the same twenty (20) day period, DEQ and Respondents shall provide the fact-finder (with copies to each other) their respective positions regarding the dispute and the rationale, information, and documents supporting such position.

(4). Within thirty (30) days of the parties' submittals, or within other such time period as agreed to by the parties and the fact-finder, the fact-finder shall provide DEQ and Respondents a written advisory report setting forth the fact-finder's determination regarding the dispute. DEQ shall consider the advisory report in making a final decision regarding the disputed matter. The advisory report shall not be binding on DEQ; provided, the advisory report shall be admissible in any action commenced by DEQ to enforce this Consent Order or to assess penalties regarding the disputed matter.

(5) Invocation of this dispute resolution procedure shall extend the time for completion by Respondents of the activity subject to dispute and each successive related activity. Any final decision by DEQ regarding a disputed matter shall be provided to Respondents in writing and shall be an

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enforceable part of this Consent Order.

K. Stipulated Penalties.

Upon any unexcused violation by Respondents of any provision of this Consent Order, and upon Respondents' receipt from DEQ of written notice of violation, Respondents shall, if the violation continues after ten (10) days from receipt of such notice, pay the stipulated penalties set forth in the following schedule:

(1) Five hundred dollars ($500.00) for the first week of violation or delay and one thousand dollars ($1,000.00) per day of violation or delay thereafter, for:

(a) failure to submit a revised final work plan in accordance with the schedule in Attachment A of this Consent Order; (b) failure to complete the work in accordance with the schedule in the approved work plan; or

(c) failure to submit a revised final report in accordance with the schedule in Attachment A of this Consent Order;

(2) Five hundred dollars ($500.00) for the first week of violation or delay and one thousand dollars ($1,000.00) per day of violation or delay thereafter, for:

(a) failure to submit a draft Work Plan in accordance with the Schedule in Attachment A of this Consent Order;

(b) failure to commence the work in accordance with the schedule in the approved Work Plan; or

(c) failure to submit draft report in accordance with the schedule in the approved Work Plan.

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Koppers014565

(3) A Respondent shall pay the sum of two thousand five hundred dollars ($2,500.00) for failure to provide access to its property pursuant to Section 7.B.

(4) Notwithstanding Subsections (1) and (2) of this Section 7(K), stipulated penalties for violations of these subsections, if any, shall not be payable until completion of the work under this Order; provided however, if Respondents complete all work in accordance with final dates of completion in accordance with schedules set out in the Work Plan as amended from time to time, all penalties will be excused.

Respondents shall pay, within thirty (30) days of receipt of a written notice of violation from DEQ, the amount of such stipulated penalty by check made payable to the State of Oregon.

L. Enforcement of Consent Order and Reservation of Rights.

(1) In addition to stipulated penalties provided under Section 7.K., DEQ reserves the right to seek injunctive relief or such other equitable relief other than administrative penalties as may be necessary to enforce the provisions of this Consent Order and/or to protect public health, safety, welfare, and the environment. From the effective date of this Consent Order, for as long as the terms herein and any modifications thereto are complied with, DEQ agrees not to sue or take any administrative action against the Respondents, or any of them, their agents, assigns, and successors for the work required under this Consent Order. Nothing herein shall be deemed to grant any rights to persons or entities not a party to the Consent Order, and DEQ and Respondents reserve all rights against such persons or entities;

(2) Respondents do not admit any liability, violation of law, or factual or legal finding, conclusion, or determination made by DEQ under this

Koppers014566

Consent Order.

(3) Nothing in this Consent Order shall prevent Respondents from exercising any rights of contribution or indemnification Respondents might have against any person regarding activities under this Consent Order.

M. Disclaimer of Liability.

Notwithstanding any approvals which may be granted by DEQ, the State shall not be liable by virtue of this Consent Order for any injuries or damages to persons or property resulting from any acts or omissions of the Respondents, their officers, employees, agents, receivers, trustees, successors, assigns, contractors, subcontractors, or any other person acting on their behalf, in carrying out any activities pursuant to this Consent Order. Neither Respondents, nor any of them, shall be liable by virtue of this Consent Order for any injuries or damages to persons or property resulting from any acts or omissions of DEQ, its employees, agents, contractors or subcontractors or any other person acting in DEQ's behalf, in carrying out any activities pursuant to this Consent Order. This disclaimer shall not abrogate any claims which the parties might otherwise have under common law or statute.

N. Other Claims.

Nothing in this Consent Order shall constitute or be construed as a release from any claim, cause of action, or demand in law or equity against any person, firm, partnership, corporation, or other entity not a signatory to this Consent Order for any liability it may have arising out of or in any way relating to the generation, treatment, storage, handling, transportation, release or disposal of any hazardous substance, hazardous waste, solid waste, pollutant, or contamination present on, at, beneath, near, or migrating from, taken to, or taken from any site identified in Section 3. above.

Koppers014567

O. Non-Admission.

Respondents do not admit any of the Findings of Fact, Conclusions of Law and Determinations herein, and reserve any and all rights and defenses which they may have, individually and jointly, regarding liability or responsibility in any subsequent proceedings concerning the Doane Lake Area or any other site.

P. Parties Bound.

This Consent Order shall be binding on the parties, and their respective successors, agents, and assigns. No change in ownership or corporate or partnership status shall in any way alter a Respondent's obligations under this Consent Order unless otherwise approved by DEQ and the other Respondents in writing, which approval shall not be unreasonably withheld. Each Respondent shall also be under an affirmative duty for the duration of this Consent Order to notify and provide a copy of this Consent Order to any prospective successor, purchaser, lessee or assignee of its site.

Q. Modification.

DEQ and Respondents may modify this Consent Order by mutual written agreement.

8. Notice and Certification of Completion.

Upon completion of the work to be performed pursuant to Section 5 of this Consent Order, Respondents shall submit to DEQ a written notice of completion and request for certification of completion in accordance with ORS 466.577(10), which certification shall not be unreasonably withheld. This Consent Order shall be deemed satisfied and terminated upon such certification.

Koppers014568

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

GOULD, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NL INDUSTRIES, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NORTHWEST NATURAL GAS COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

Koppers014569

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

GOULD, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NL INDUSTRIES, INC.

By: Janet D Smith Date: 12/14/89
(Name)

Associate General Counsel
(Title)

NORTHWEST NATURAL GAS COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

Koppers014570

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

GOULD, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NL INDUSTRIES, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NORTHWEST NATURAL GAS COMPANY

By: Bruce D. DeBarr Date: 19 Dec 89
(Name)

SR VICE PRESIDENT
(Title)

Koppers014571

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: 12/15/89
(Name)

President-Proprietary Products Group
(Title)

GOULD, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NL INDUSTRIES, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NORTHWEST NATURAL GAS COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

Koppers014572

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

GOULD, INC.

By: Delmar C. Very Date: 12/18/89
(Name)

VP- GENERAL COUNSEL
(Title) + SECRETARY

NL INDUSTRIES, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NORTHWEST NATURAL GAS COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

Koppers014573

PACIFIC NORTHERN OIL COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

PENNWALT CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

J.C.

RHONE-POULENC AG COMPANY

By: N. R. Robinson Date: 12/18/89
(Name)
Vice-President & General Manager, Operations
(Title)

SCHNITZER INVESTMENT CORP.

By: _____ Date: _____
(Name)

_____
(Title)

STIPULATED, AGREED, and so ORDERED:

State of Oregon
Department of Environmental Quality

By: Fred Hansen Date: JAN 10 1990
Fred Hansen
Director

Koppers014574

PACIFIC NORTHERN OIL COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

PENNWALT CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

RHONE-POULENC AG COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

SCHNITZER INVESTMENT CORP.

By: _____ Date: 12-13-89
(Name)
Vice Pres.
(Title)

STIPULATED, AGREED, and so ORDERED:

State of Oregon
Department of Environmental Quality

By: _____ Date: JAN 10 1990
Fred Hansen
Director

Koppers014575

PACIFIC NORTHERN OIL COMPANY

By: David A. Waldschmidt Date: 12-14-89
(Name)

Gen. Counsel
(Title)

PENNWALT CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

RHONE-POULENC AG COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

SCHNITZER INVESTMENT CORP.

By: _____ Date: _____
(Name)

_____
(Title)

STIPULATED, AGREED, and so ORDERED:

State of Oregon
Department of Environmental Quality

By: Fred Hansen Date: JAN 10 1990
Fred Hansen
Director

Koppers014576

PACIFIC NORTHERN OIL COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

PENNWALT CORPORATION

By: Edward L Locke Date: 12-13-89
(Name)

Plant Manager
(Title)

RHONE-POULENC AG COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

SCHNITZER INVESTMENT CORP.

By: _____ Date: _____
(Name)

_____
(Title)

STIPULATED, AGREED, and so ORDERED:

State of Oregon
Department of Environmental Quality

By: Fred Hansen Date: JAN 10 1990
Fred Hansen
Director

Koppers014577

SCOPE OF WORK

The following scope of work is designed to address hydrogeologic data gaps identified in Geraghty & Miller, Inc.'s report entitled "Phase I Hydrogeological Investigation: Assessment of Existing Conditions", dated November 1, 1989 (the Report); the Oregon Department of Environmental Quality's (ODEQ's) comments in response to the Report as set out in Ms. Sandra Anderson's November 9, 1989 letter to the Doane Lake Industrial Group and Geraghty & Miller; the U.S. Environmental Protection Agency's (EPA's) comments in response to the Report as set out in Mr. David Tetta's November 8, 1989 letter to Ms. Sandra Anderson; Geraghty & Miller and the Doane Lake Industrial Group's comments in response to ODEQ and EPA as set out in Geraghty & Miller's November 17, 1989 and December 1, 1989 letters to Ms. Sandra Anderson; and ODEQ's oral comments presented during the course of meetings held to discuss the Report. The objectives of the proposed hydrogeological investigation in the Doane Lake Area are to determine hydrologic conditions in the vicinity of the Gould Superfund site, determine the zone of influence of potential remedial activities, and determine the impact that ground-water quality in the Doane Lake Area could have on potential Gould site remedies.

Work Plan Preparation

A detailed work plan describing the activities outlined below under Field Activities and Reporting Activities will be submitted to the Oregon Department of Environmental Quality (ODEQ) for approval, within sixty (60) days of issuance of the Order on Consent. The work plan will be prepared in accordance with guidelines established in "Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA", EPA/540/G-87/004 (OSWER Directive 9355.3-01), 1988, and OAR 340-122-080. The work plan will include: a brief summary of conclusions from Geraghty & Miller's report of existing conditions; a detailed account of proposed investigative activities to include drilling methods, monitoring well construction details, well development, sampling procedures, and pumping test procedures; a schedule for all proposed activities and submittals; and a description of qualifications of personnel to be involved in the project. Appendices to the work plan will include a Sampling and Analysis Plan and Health and Safety Plan.

All sampling and analytical procedures will be established prior to initiating the investigation in a sampling and analysis plan (SAP). The purpose of the SAP is to establish routine procedures for collecting and analyzing data to ensure that data obtained during the investigation are reliable. The SAP will be composed of a field sampling plan (FSP) and a quality assurance program plan (QAPP), and will include a discussion of collection methods, quality control procedures, sample containers, chain-of-custody procedures, analytical methods, and detection level goals. The SAP will be prepared in accordance with the following guidance documents: " Data Quality Objectives for Remedial Response Activities", EPA/540/G-87/004f (OSWER Directive 9355.0-7B), March, 1987; "Test Methods for Evaluating Solid Waste", SW-846; "A Compendium of Superfund Field Operations Methods", EPA/540/P-87/001 (OSWER Directive 9355.0-14), December, 1987; and

Koppers014578

"Guidelines and Specifications for Preparing Quality Assurance Program Plans", QAMS-004/80, 1980.

A site specific health and safety plan will be prepared for review by all field personnel prior to conducting any on-site field work. The plan will describe known hazards in the area and recommend the level of protective clothing and equipment to be used by field technicians. Equipment and personal decontamination procedures will be described in the health and safety plan as well. Local medical, fire and enforcement agency numbers and addresses will be included for quick referral during an emergency situation.

Field Activities

The following field activities will be performed in order to obtain data which are necessary to meet the objectives of the proposed investigation.

- Install eleven new monitoring wells in the Doane Lake Area. Three of the new wells will be installed down gradient from the Gould site near the Willamette River and will be completed as shallow, intermediate and deep wells (W-19 S, I and D). Another triple completion well nest (W-18 S, I and D) will be installed up gradient of the Rhône-Poulenc property near NW St Helens Road. Four intermediate wells will be installed in the Doane Lake Area. Two of the wells will serve as pumping wells and be located near monitoring well sites W-7 (GM-1 I) and W-2 (GM-2 I). Of the remaining two intermediate wells one (W-17 I) will be installed on the southwest side of the American Steel property and the other (MW-3 I) will be installed near MW-3 S on the Wacker property. One deep well (W-7 D) will be installed near W-7. All of the wells will be installed in compliance with ODEQ's "Guidelines for Monitoring Well Design, Installation, Testing, Decommissioning and Record Keeping". Refer to Figure 1 for proposed well locations.

- Resurvey all new and existing monitoring well tops in the Doane Lake Area to tie the well network into a common datum.

- Collect water-level measurements from all of the monitoring wells and surface water bodies in the Study Area on a monthly basis for six months.

- Collect continuous ground-water level data in two of the wells in the south Doane Lake Area by installing continuous water-level recorders. The recorders will remain in place for one month.

- Conduct slug tests in the newly installed wells, to integrate hydraulic data from the new wells with the existing data base.

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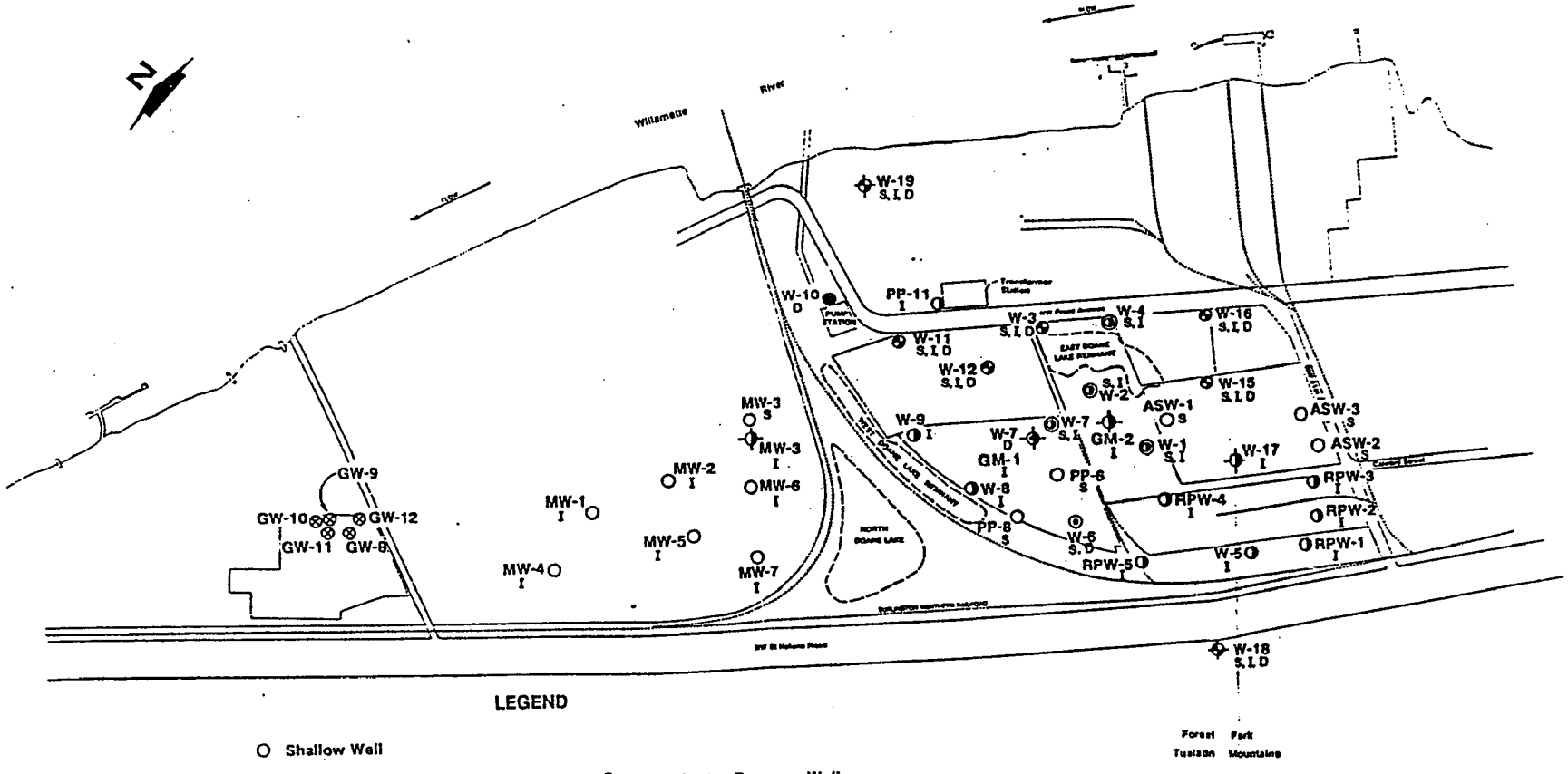


Note: S, I and D following well designations indicate shallow, intermediate and deep screened horizons.

GERAGHTY & MILLER, INC. Environmental Services

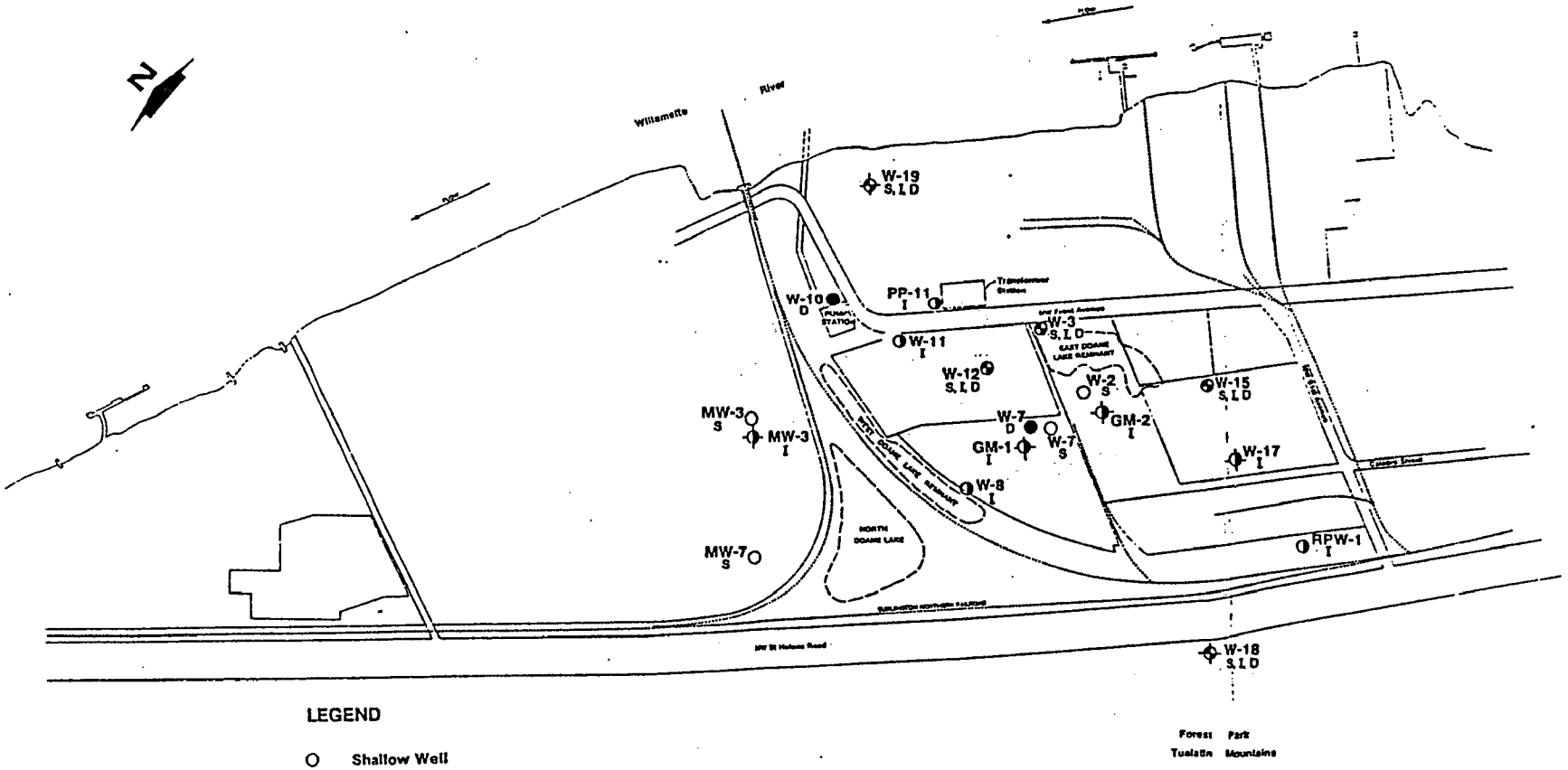
PROPOSED MONITORING WELL LOCATION MAP

Doane Lake Area
Portland, Oregon

FIGURE 1

DRAWN	APPROVED	DATE	PROJECT NUMBER
SAC	aax	Nov. 1989	WA06301

Koppers014580



LEGEND

- Shallow Well
- Intermediate Well
- Deep Well
- Nested Well (Shallow/Intermediate/Deep)
- Proposed Well Location

0 300 600 900

Approximate Scale in Feet

Note: S, I and D following designations indicate shallow, intermediate and deep screened horizons.

GERAGHTY & MILLER, INC. Environmental Services

PROPOSED GROUND-WATER SAMPLING LOCATIONS

Doane Lake Area
Portland, Oregon

FIGURE 2

DRAWN	APPROVED	DATE	PROJECT NUMBER
SAC	aar	Nov. 1989	WA06301

Koppers014581

- Conduct two constant rate pumping tests in newly installed intermediate alluvial horizon wells. Ground-water samples will be collected from these wells before, during and after the pumping test to assess the water quality.

- Collect one round of ground-water samples from a select number of wells in the Study Area to be analyzed for full scale priority pollutants. The analyses will target the 126 compounds and 24 analytes included on EPA's target compound list (TCL) and target analyte list (TAL). The TCL and TAL include volatile and semivolatile compounds, pesticides, PCB's, metals, and cyanide. All analyses will be conducted following contract laboratory program (CLP) procedures by a government approved CLP laboratory. Refer to Tables 1 and 2 for a listing of the chemical constituents to be tested for, as well as CLP contracted detection limits. Sulfate will also be analyzed for following EPA approved method 9038. Field measurements of pH, temperature and conductivity will be made and recorded at the time of sampling. Shallow wells to be sampled are W-2 S, W-3 S, W-7 S, W-12 S, W-15 S, MW-3 S, MW-7 S, W-18 S, and W-19 S. Intermediate wells to be sampled are RPW-1 I, W-3 I, W-8 I, W-11 I, W-12 I, W-15 I, PP-11 I, W-17 I, W-18 I, W-19 I, MW-3 I, GM-1 I and GM-2 I. The deep wells to be sampled are W-3 D, W-7 D, W-10 D, W-12 D, W-15 D, W-18 D and W-19 D. The location of wells to be sampled may be varied slightly by Geraghty & Miller based upon its proposed hydraulic analysis. Refer to Figure 2 for location of wells to be sampled. Standard quality control procedures will be followed to ensure data quality. Field duplicate blanks and equipment blanks will be collected and analyzed for every twenty ground-water samples collected. Trip blanks will be provided for each cooler containing samples to be delivered to the laboratory.

- Collect one surface-water sample from each of the East, West and North Doane Lake remnants. The surface-water samples will be analyzed for the same chemical constituents as the ground-water samples following the same analytical procedures. Field measurements of pH, temperature and conductivity will be recorded at the time of sampling.

Reporting Activities

Monthly reports will be submitted to ODEQ, which summarize investigation activities during the previous month. It is anticipated that, after approval of a work plan, the field activities described in the previous section and all associated reporting can be completed in approximately eight to ten months.

After field activities are completed, data will be compiled and analyzed. All of the field and laboratory data obtained during the investigation, as well as a description of data collection procedures, will be included in a final ground-water investigation report. The

Koppers014582

report will include figures illustrating soil stratigraphy, well construction details, the distribution of significant chemical constituents, and potentiometric maps of ground-water elevations measured in the shallow, intermediate, deep and basalt wells. A discussion of conclusions derived from evaluation of all of the data will also be provided in the report.

Koppers014583

TABLE 1
USEPA INORGANIC TARGET ANALYTE LIST (TAL)

Analyte	Detection Limit*	Analyte	Detection Limit*
Aluminum	200	Antimony	60
Arsenic	10	Barium	200
Beryllium	5	Cadmium	5
Calcium	5000	Chromium	10
Cobalt	50	Copper	25
Iron	100	Lead	3
Magnesium	5000	Manganese	15
Mercury	0.2	Nickel	40
Potassium	5000	Selenium	5
Silver	10	Sodium	5000
Thallium	10	Vanadium	50
Zinc	20	Cyanide	10

* Detection limits are listed in parts per billion (ug/L).

All analyses shall be preformed in accordance with methods described in USEPA Contract Laboratory Program's "Statement of Work for Inorganic Analysis Multi-Media Multi-Concentration", dated August 1988.

Koppers014584

TABLE 2
USEPA ORGANIC TARGET COMPOUND LIST (TCL)

VOLATILES

Compound	Detection Limit*	Compound	Detection Limit*
Chloromethane	10	Bromomethane	10
Vinyl Chloride	10	Chloroethane	10
Methylene Chloride	5	Acetone	10
Carbon Disulfide	5	1,1-Dichloroethene	5
1,1-Dichloroethane	5	1,2-Dichloroethene (Total)	5
Chloroform	5	1,2-Dichloroethane	5
2-Butanone	10	1,1,1-Trichloroethane	5
Carbon Tetrachloride	5	Vinyl Acetate	10
Bromodichloromethane	5	1,2-Dichloropropane	5
cis-1,3-Dichloropropene	5	Trichloroethene	5
Dibromochloromethane	5	1,1,2-Trichloroethane	5
Benzene	5	trans-1,3-Dichlorpropene	5
Bromoform	5	4-Methyl-2-pentanone	10
2-Hexanone	10	Tetrachloroethene	5
Toluene	5	1,1,2,2-Tetrachloroethane	5
Chlorobenzene	5	Ethyl Benzene	5
Styrene	5	Xylenes (Total)	5

SEMIVOLATILES

Compound	Detection Limit*	Compound	Detection Limit*
Phenol	10	bis(2-Chloroethyl) ether	10
2-Chlorophenol	10	1,3-Dichlorobenzene	10
1,4-Dichlorobenzene	10	Benzyl alcohol	10
1,2-Dichlorobenzene	10	2-Methylphenol	10
bis(2-Chloroisopropyl)ether	10	4-Methylphenol	10
N-Nitroso-di-n-dipropylamine	10	Hexachloroethane	10
Nitrobenzene	10	Isophorone	10
2-Nitrophenol	10	2,4-Dimethylphenol	10
Benzoic acid	50	bis(2-Chloroethoxy) methane	10

Koppers014585

TABLE 2 (cont'd)
USEPA ORGANIC TARGET COMPOUND LIST (TCL)

SEMIVOLATILES (cont'd)

Compound	Detection Limit*	Compound	Detection Limit*
2,4-Dichlorophenol	10	1,2,4-Trichlorobenzene	10
Naphthalene	10	4-Chloroaniline	10
Hexachlorobutadiene	10	4-Chloro-3-methylphenol (para-chloro-meta-cresol)	10
2-Methylnaphthalene	10	Hexachlorocyclopentadiene	10
2,4,6-Trichlorophenol	10	2,4,5-Trichlorophenol	50
2-Chloronaphthalene	10	2-Nitroaniline	50
Dimethylphthalate	10	Acenaphthylene	10
2,6-Dinitrotoluene	10	3-Nitroaniline	50
Acenaphthene	10	2,4-Dinitrophenol	50
4-Nitrophenol	50	Dibenzofuran	10
2,4-Dinitrotoluene	10	Diethylphthalate	10
4-Chlorophenyl-phenyl ether	10	Fluorene	10
4-Nitroaniline	50	4,6-Dinitro-2-methylphenol	50
N-Nitrosodiphenylamine	10	4-Bromophenyl-phenylether	10
Hexachlorobenzene	10	Pentachlorophenol	50
Phenanthrene	10	Anthracene	10
Di-n-butylphthalate	10	Fluoranthene	10
Pyrene	10	Butylbenzylphthalate	10
3,3'-Dichlorobenzidine	20	Benzo(a)anthracene	10
Chrysene	10	bis(2-Ethylhexyl)phthalate	10
Di-n-octylphthalate	10	Benzo(b)fluoranthene	10
Benzo(k)fluoranthene	10	Benzo(a)pyrene	10
Indeno(1,2,3-cd)pyrene	10	Dibenz(a,h)anthracene	10
Benzo(g,h,i)perylene	10		

Koppers014586

TABLE 2 (cont'd)
USEPA ORGANIC TARGET COMPOUND LIST (TCL)

PESTICIDES/PCBS

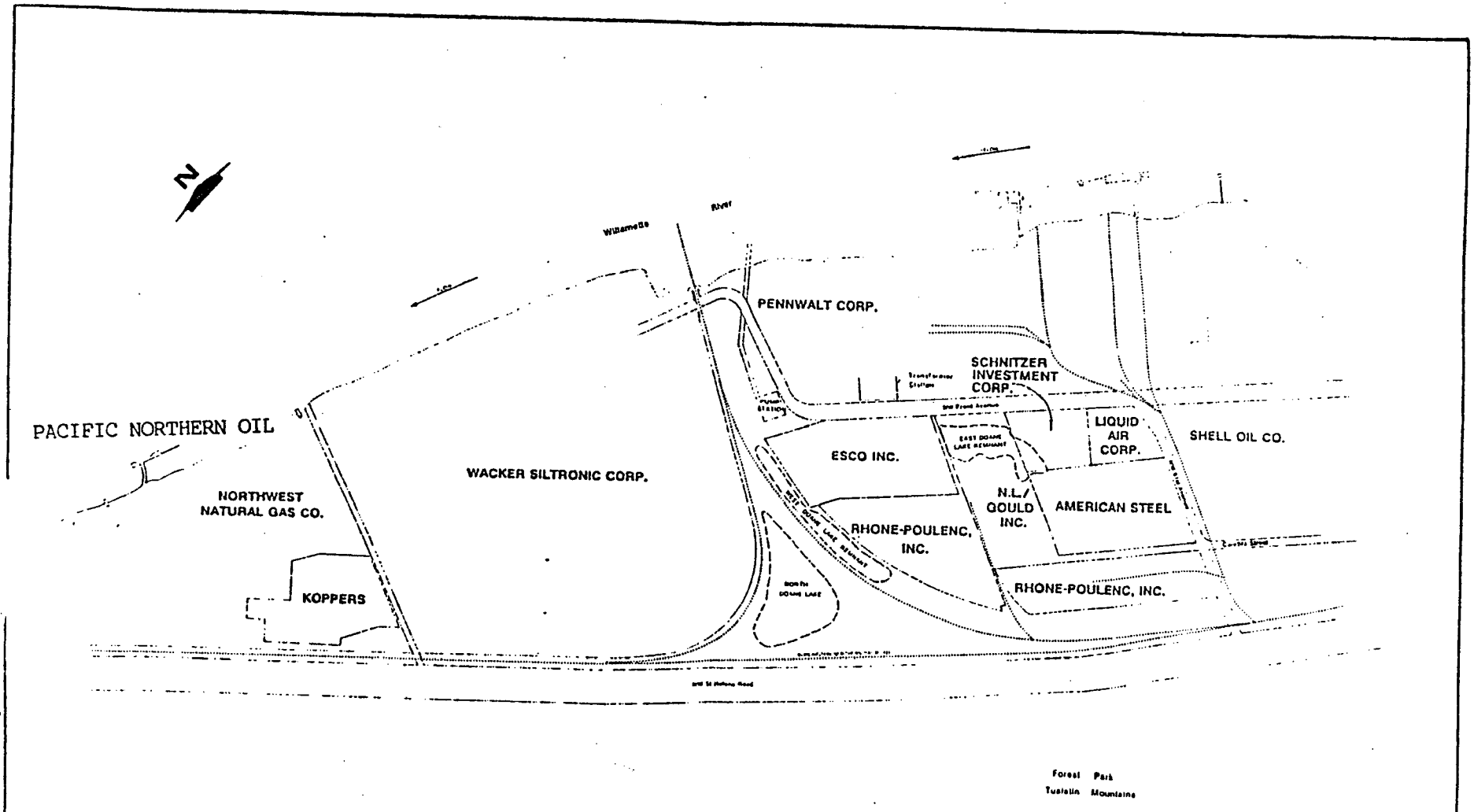
Compound	Detection Limit*	Compound	Detection Limit*
alpha-BHC	0.05	beta-BHC	0.05
delta-BHC	0.05	gamma-BHC (Lindane)	0.05
Heptachlor	0.05	Aldrin	0.05
Heptachlor epoxide	0.05	Endrosulfan I	0.05
Dieldrin	0.10	4,4'-DDE	0.10
Endrin	0.10	Endosulfan II	0.10
4,4'-DDD	0.10	Endosulfan sulfate	0.10
4,4'-DDT	0.10	Methoxychlor	0.5
Endrin ketone	0.10	alpha-Chlordane	0.5
gamma-Chlordane	0.5	Toxaphene	1.0
Aroclor-1016	0.5	Aroclor-1221	0.5
Aroclor-1232	0.5	Aroclor-1242	0.5
Aroclor-1248	0.5	Aroclor-1254	1.0
Aroclor-1260	1.0		

* Detection limits are listed in parts per billion (ug/L).

All analyses shall be preformed in accordance with methods described in USEPA Contract Laboratory Program's "Statement of Work for Organic Analysis Multi-Media Multi-Concentration", dated February 1988.

Koppers014587

ATTACHMENT B
ORDER ON CONSENT
DEQ NO. ECSR-NWR-89-13



GERAGHTY & MILLER, INC.
Environmental Services

SITE PLAN
Doane Lake Area
Portland, Oregon

DRAWN	APPROVED	DATE	PROJECT NUMBER
SAC		Oct 1989	WA06301

FIGURE 2

Koppers014588

NEIL GOLDSCHMIDT
GOVERNOR

Department of Environmental Quality

811 SW SIXTH AVENUE, PORTLAND, OREGON 97204-1390 PHONE (503) 229-5696

June 12, 1990

CERTIFIED MAIL NO. P-915-446-903
RETURN RECEIPT REQUESTED

Mr. John Oxford
Koppers Industries, Inc.
7540 N. W. St. Helens Road
Portland, OR 97210

Dear Mr. Oxford:

Pursuant to an Order on Consent (copy attached), a preliminary investigation to determine the nature and extent of groundwater contamination in the Doane Lake industrial area is being conducted by certain private parties who have facilities located in the area.

To carry out the investigation as required, access to your property at 7540 N. W. St. Helens Road, Portland, Oregon may be required for the purpose of installing monitoring wells, sampling existing monitoring wells, measuring water elevations, evaluating wells and/or sampling from wells.

The Department of Environmental Quality is arranging for access to private properties pursuant to its authority -- ORS 465.250(2) and ORS 465.260 -- in the area so that the investigation may proceed expeditiously.

A "Consent for Access to Property" form is enclosed for your review and signature.

Please review and sign the form and return it to me by July 1, 1990.

If you have any questions regarding the form or the investigation, please do not hesitate to call me at (503) 229-6744.

Thank you very much for your cooperation in facilitating this important investigation.

Sincerely,

Sandra Anderson

Sandra Anderson, Project Manager
Site Response Section
Environmental Cleanup Division

SA:m
SITE\SM3083
Enclosures
cc: Claudia Powers, Lindsay, Hart, Neil & Weigler
Larry Edelman, DOJ
Tom Miller, SRS, DEQ

DEQ-1

CONSENT FOR ACCESS TO PROPERTY

Name: Koppers Industries, Inc.

Address of Property: 7540 N. W. St. Helens Road
Portland, Oregon 97210

I hereby give my consent and permission to the extent of whatever possessory interest I may have in the property and premises described above (the "property"), and appurtenances thereto, to officers, employees, agents, authorized representatives, and the persons and their contractors acting pursuant to Order by the Oregon Department of Environmental Quality (DEQ) to enter my property for the limited purpose of installing groundwater monitoring wells, sampling existing wells, measuring water elevations, evaluating wells and/or sampling from wells.

Such entry shall be during working hours and after reasonable advance notice and subject to such reasonable conditions as may be required to protect my or my company's property or proprietary interests and minimize disruption of activities, if any, at the property.

I recognize that these actions are undertaken pursuant to an Order on Consent under ORS 465.260.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind. I understand that by consenting to access, I neither incur any liability nor waive any rights not otherwise provided for under applicable law.

By: _____
Name

_____
Title

_____
Date

Koppers014591

STATE OF OREGON

DEPARTMENT OF ENVIRONMENTAL QUALITY

In the Matter of:	)	DEQ NO. ECSR-NWR-89-13
	)	
ESCO Corporation;	)	ORDER ON CONSENT
Gould, Inc.;	)	
NL Industries, Inc.;	)	
Northwest Natural Gas Company;	)	
Pacific Northern Oil Company;	)	
Pennwalt Corporation;	)	
Rhone-Poulenc AG Company; and	)	
Schnitzer Investment Corp.,	)	
	)	
Respondents.	)	
	)	

Pursuant to ORS 466.570(4), the Director, Oregon Department of Environmental Quality (DEQ), issues this Order on Consent ("Consent Order") to ESCO Corporation; Gould, Inc.; NL Industries, Inc.; Northwest Natural Gas Company; Pacific Northern Oil Company; Pennwalt Corporation; Rhone-Poulenc AG Company; and Schnitzer Investment Corp. (collectively, Respondents). This Consent Order contains the following provisions:

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4.	Conclusions of Law and Determinations	5
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terms.

(F) That Respondents' rights and duties under this Consent Order shall not be subject to any rules adopted under ORS 466.553 subsequent to issuance of this Consent Order.

(G) To not litigate, in any proceeding brought by DEQ to enforce this Consent Order or to assess penalties for noncompliance with this Consent Order, any issue other than Respondents' compliance with this Consent Order;

(H) To not assert, in any proceeding brought by DEQ to enforce this Consent Order or to assess penalties for noncompliance with this Consent Order, that performance of an interim remedial action or removal measure under this Consent Order by Respondents discharges Respondents' duty to fully perform all remaining provisions of this Consent Order.

3. Findings of Fact.

DEQ makes the following findings without admission of any such facts by Respondents:

A. Respondents are Oregon Corporations or are foreign corporations that are now doing business in the State of Oregon, or are foreign corporations that formerly did business in the State of Oregon so as to render them subject to the jurisdiction of the courts of this state.

B. ESCO Corporation owns and operated a site at 6900 N. W. Front Avenue, Portland, Oregon.

Gould, Inc. owns and operated a site at 5909 N. W. 61st Street, Portland, Oregon.

NL Industries, Inc. owned and operated a site at 5909 N. W. 61st Street, Portland, Oregon.

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4. Conclusions of Law and Determinations.

Based on the above Findings of Fact DEQ determines, without admission of any such determinations by Respondents and without waiver of Respondents' rights to challenge such finding of fact or determinations in any proceedings other than one brought by DEQ to enforce the provisions of this Consent Order that:

A. Each Respondent is a "person" under ORS 466.540(13).

B. Each Respondent's property is a "site" under OAR 340-122-020.

C. The presence of hazardous substances in the ground water in the Doane Lake Area constitutes a "release" or threat of "release" into the environment under ORS 466.540(14).

D. The activities required by this Consent Order are necessary to protect public health, safety, welfare and the environment.

Based on the above Stipulations, Findings of Fact, and Conclusions of Law and Determinations, DEQ ORDERS:

5. Work to be Performed.

A. Scope of Work.

Within 60 days of issuance of this Consent Order, Respondents shall submit for DEQ review and comment, a Work Plan to implement the Scope of Work (SOW), Attachment A. Respondents shall commence implementation of the Work Plan within 30 days of approval of the Work Plan by DEQ.

B. Reports.

Respondents shall submit reports that document all activities completed under the Work Plan and shall be submitted in accordance with the schedule in the Work Plan.

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B. DEQ Access and Oversight.

(1) Upon reasonable prior notice and during normal business hours each Respondent shall allow DEQ to enter and move freely about portions of such Respondent's property only as necessary for, and only as related directly to, this Consent Order, which may include to the extent related directly to the work under this Consent Order: (a) observing Respondents' progress in implementing this Consent Order; (b) conducting such tests and taking such samples as DEQ deems necessary; (c) verifying data submitted to DEQ by Respondents; (d) using camera, sound recording, or other recording equipment. To accommodate Respondents' proprietary concerns the DEQ will allow Respondents' personnel to operate the camera, sound or other recording devices so long as the DEQ is satisfied that the manner and content of the photographs and recordings are accurate and provide all information appropriately sought by the DEQ. Respondents shall permit DEQ to inspect and copy all records, files, photographs, documents, and data relating to work under this Consent Order, except that Respondents shall not be required to permit DEQ inspection or copying of items subject to attorney-client and attorney work product privileges.

(2) DEQ employees, agents, or contractors, when on any Respondent's premises, shall abide by all reasonable and customary safety procedures and protocols established by the Respondent and shall use their best efforts to avoid disruption of a Respondent's normal business or production activities.

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E. Quality Assurance.

Respondents shall conduct all sampling, sample transports, and sample analysis in accordance with the Quality Assurance/Quality Control ("QA/QC") provisions submitted to DEQ pursuant to the Work Plan. Respondents shall ensure that each laboratory used by Respondents for analysis performs such analyses in accordance with such provisions. In the event DEQ conducts any sampling or analysis in connection with this Consent Order, DEQ shall conduct such sampling, sample transport, and sample analysis in accordance with Quality Assurance/Quality Control guidance established and published by DEQ or the United States Environmental Protection Agency and shall provide Respondents with documentation demonstrating compliance with such guidance.

F. Records.

(1) Submission upon request.

In addition to those reports and documents specifically required under this Consent Order, Respondents shall provide to DEQ within ten (10) days of DEQ's written request copies of QA/QC memoranda and audits, data which have undergone QA/QC review, final plans, reports, directions to contractors, field logs, laboratory analytical reports, and any other documents that relate directly to the work under this Consent Order except to the extent that any such other documents are subject to any attorney-client or attorney work product privileges.

(2) Preservation.

Each Respondent shall preserve all records and documents in the possession or control of Respondent or its respective employees, agents, or contractors that relate directly to activities under this Consent Order for at least five (5) years after the last certification of completion under Section 8

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Order. The indirect cost rate shall be the rate charged by DEQ on federal agreements. That rate will vary as the rate charged on federal agreements varies.

DEQ reserves the right to seek reimbursement of any costs incurred by the state in connection with oversight activities related to this Consent Order from any person(s) who may be liable for such costs under ORS 466.567 or other applicable law. Nothing contained herein shall be a finding or an admission that Respondents are so liable.

I. Force Majeure.

(1) If any event occurs that is beyond Respondents' reasonable control and that causes or might cause, in whole or in part, a delay or deviation in performance of the requirements of this Consent Order, Respondents shall promptly notify DEQ's Project Coordinator orally of the cause of the delay or deviation and its anticipated duration, the measures that have been or will be taken to prevent or minimize the delay or deviation, and the timetable by which Respondents propose to carry out such measures. Respondents shall confirm in writing this information within five (5) working days of the oral notification.

(2) If Respondents demonstrate to DEQ that the delay or deviation has been or will be caused, in whole or in part, by circumstances beyond the control and despite the due diligence of Respondents, DEQ shall extend times for performance of related activities under this Consent Order as appropriate. Circumstances or events beyond Respondents' control include but are not limited to acts of God, strikes or work stoppages, fire, explosion, riot, sabotage, war, or DEQ's inability to gain access to any property pursuant to section 7(A) of this Consent Order. Increased cost of performance, or changed business or

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DEQ's act of declining submittal of a disputed matter to a neutral fact-finder shall not be considered a final agency action for purposes of judicial review. The fees and expenses of the fact-finder shall be borne equally by DEQ and Respondents and DEQ's costs so incurred shall not be subject to reimbursement as an oversight cost.

(3) Within twenty (20) working days after selection of the fact-finder, DEQ and Respondents shall jointly provide the fact-finder an agreed-upon statement of the precise nature of the dispute and a copy of the procedures to be followed by the fact-finder as set forth in this subsection. Within the same twenty (20) day period, DEQ and Respondents shall provide the fact-finder (with copies to each other) their respective positions regarding the dispute and the rationale, information, and documents supporting such position.

(4). Within thirty (30) days of the parties' submittals, or within other such time period as agreed to by the parties and the fact-finder, the fact-finder shall provide DEQ and Respondents a written advisory report setting forth the fact-finder's determination regarding the dispute. DEQ shall consider the advisory report in making a final decision regarding the disputed matter. The advisory report shall not be binding on DEQ; provided, the advisory report shall be admissible in any action commenced by DEQ to enforce this Consent Order or to assess penalties regarding the disputed matter.

(5) Invocation of this dispute resolution procedure shall extend the time for completion by Respondents of the activity subject to dispute and each successive related activity. Any final decision by DEQ regarding a disputed matter shall be provided to Respondents in writing and shall be an

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(3) A Respondent shall pay the sum of two thousand five hundred dollars ($2,500.00) for failure to provide access to its property pursuant to Section 7.B.

(4) Notwithstanding Subsections (1) and (2) of this Section 7(K), stipulated penalties for violations of these subsections, if any, shall not be payable until completion of the work under this Order; provided however, if Respondents complete all work in accordance with final dates of completion in accordance with schedules set out in the Work Plan as amended from time to time, all penalties will be excused.

Respondents shall pay, within thirty (30) days of receipt of a written notice of violation from DEQ, the amount of such stipulated penalty by check made payable to the State of Oregon.

L. Enforcement of Consent Order and Reservation of Rights.

(1) In addition to stipulated penalties provided under Section 7.K., DEQ reserves the right to seek injunctive relief or such other equitable relief other than administrative penalties as may be necessary to enforce the provisions of this Consent Order and/or to protect public health, safety, welfare, and the environment. From the effective date of this Consent Order, for as long as the terms herein and any modifications thereto are complied with, DEQ agrees not to sue or take any administrative action against the Respondents, or any of them, their agents, assigns, and successors for the work required under this Consent Order. Nothing herein shall be deemed to grant any rights to persons or entities not a party to the Consent Order, and DEQ and Respondents reserve all rights against such persons or entities;

(2) Respondents do not admit any liability, violation of law, or factual or legal finding, conclusion, or determination made by DEQ under this

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O. Non-Admission.

Respondents do not admit any of the Findings of Fact, Conclusions of Law and Determinations herein, and reserve any and all rights and defenses which they may have, individually and jointly, regarding liability or responsibility in any subsequent proceedings concerning the Doane Lake Area or any other site.

P. Parties Bound.

This Consent Order shall be binding on the parties, and their respective successors, agents, and assigns. No change in ownership or corporate or partnership status shall in any way alter a Respondent's obligations under this Consent Order unless otherwise approved by DEQ and the other Respondents in writing, which approval shall not be unreasonably withheld. Each Respondent shall also be under an affirmative duty for the duration of this Consent Order to notify and provide a copy of this Consent Order to any prospective successor, purchaser, lessee or assignee of its site.

Q. Modification.

DEQ and Respondents may modify this Consent Order by mutual written agreement.

8. Notice and Certification of Completion.

Upon completion of the work to be performed pursuant to Section 5 of this Consent Order, Respondents shall submit to DEQ a written notice of completion and request for certification of completion in accordance with ORS 466.577(10), which certification shall not be unreasonably withheld. This Consent Order shall be deemed satisfied and terminated upon such certification.

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9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: 12/15/89
(Name)

President-Proprietary Products Group
(Title)

GOULD, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NL INDUSTRIES, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NORTHWEST NATURAL GAS COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

Koppers014601

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

GOULD, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NL INDUSTRIES, INC.

By: Janet D Smith Date: 12/14/89
(Name)

Associate General Counsel
(Title)

NORTHWEST NATURAL GAS COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

Koppers014602

PACIFIC NORTHERN OIL COMPANY

By: David A. Waldschmidt Date: 12-14-89
(Name)

Gen. Counsel
(Title)

PENNWALT CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

RHONE-POULENC AG COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

SCHNITZER INVESTMENT CORP.

By: _____ Date: _____
(Name)

_____
(Title)

STIPULATED, AGREED, and so ORDERED:

State of Oregon
Department of Environmental Quality

By: Fred Hansen Date: JAN 10 1990
Fred Hansen
Director

Koppers014603

PACIFIC NORTHERN OIL COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

PENNWALT CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

1. c.

RHONE-POULENC AG COMPANY

By: N. C. Robinson Date: 12/18/89
(Name)

Vice-President & General Manager, Operations
(Title)

SCHNITZER INVESTMENT CORP.

By: _____ Date: _____
(Name)

_____
(Title)

STIPULATED, AGREED, and so ORDERED:

State of Oregon
Department of Environmental Quality

By: Fred Hansen Date: JAN 10 1990
Fred Hansen
Director

Koppers014604

SCOPE OF WORK

The following scope of work is designed to address hydrogeologic data gaps identified in Geraghty & Miller, Inc.'s report entitled "Phase I Hydrogeological Investigation: Assessment of Existing Conditions", dated November 1, 1989 (the Report); the Oregon Department of Environmental Quality's (ODEQ's) comments in response to the Report as set out in Ms. Sandra Anderson's November 9, 1989 letter to the Doane Lake Industrial Group and Geraghty & Miller; the U.S. Environmental Protection Agency's (EPA's) comments in response to the Report as set out in Mr. David Tetta's November 8, 1989 letter to Ms. Sandra Anderson; Geraghty & Miller and the Doane Lake Industrial Group's comments in response to ODEQ and EPA as set out in Geraghty & Miller's November 17, 1989 and December 1, 1989 letters to Ms. Sandra Anderson; and ODEQ's oral comments presented during the course of meetings held to discuss the Report. The objectives of the proposed hydrogeological investigation in the Doane Lake Area are to determine hydrologic conditions in the vicinity of the Gould Superfund site, determine the zone of influence of potential remedial activities, and determine the impact that ground-water quality in the Doane Lake Area could have on potential Gould site remedies.

Work Plan Preparation

A detailed work plan describing the activities outlined below under Field Activities and Reporting Activities will be submitted to the Oregon Department of Environmental Quality (ODEQ) for approval, within sixty (60) days of issuance of the Order on Consent. The work plan will be prepared in accordance with guidelines established in "Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA", EPA/540/G-87/004 (OSWER Directive 9355.3-01), 1988, and OAR 340-122-080. The work plan will include: a brief summary of conclusions from Geraghty & Miller's report of existing conditions; a detailed account of proposed investigative activities to include drilling methods, monitoring well construction details, well development, sampling procedures, and pumping test procedures; a schedule for all proposed activities and submittals; and a description of qualifications of personnel to be involved in the project. Appendices to the work plan will include a Sampling and Analysis Plan and Health and Safety Plan.

All sampling and analytical procedures will be established prior to initiating the investigation in a sampling and analysis plan (SAP). The purpose of the SAP is to establish routine procedures for collecting and analyzing data to ensure that data obtained during the investigation are reliable. The SAP will be composed of a field sampling plan (FSP) and a quality assurance program plan (QAPP), and will include a discussion of collection methods, quality control procedures, sample containers, chain-of-custody procedures, analytical methods, and detection level goals. The SAP will be prepared in accordance with the following guidance documents: " Data Quality Objectives for Remedial Response Activities", EPA/540/G-87/004f (OSWER Directive 9355.0-7B), March, 1987; "Test Methods for Evaluating Solid Waste", SW-846; "A Compendium of Superfund Field Operations Methods", EPA/540/P-87/001 (OSWER Directive 9355.0-14), December, 1987; and

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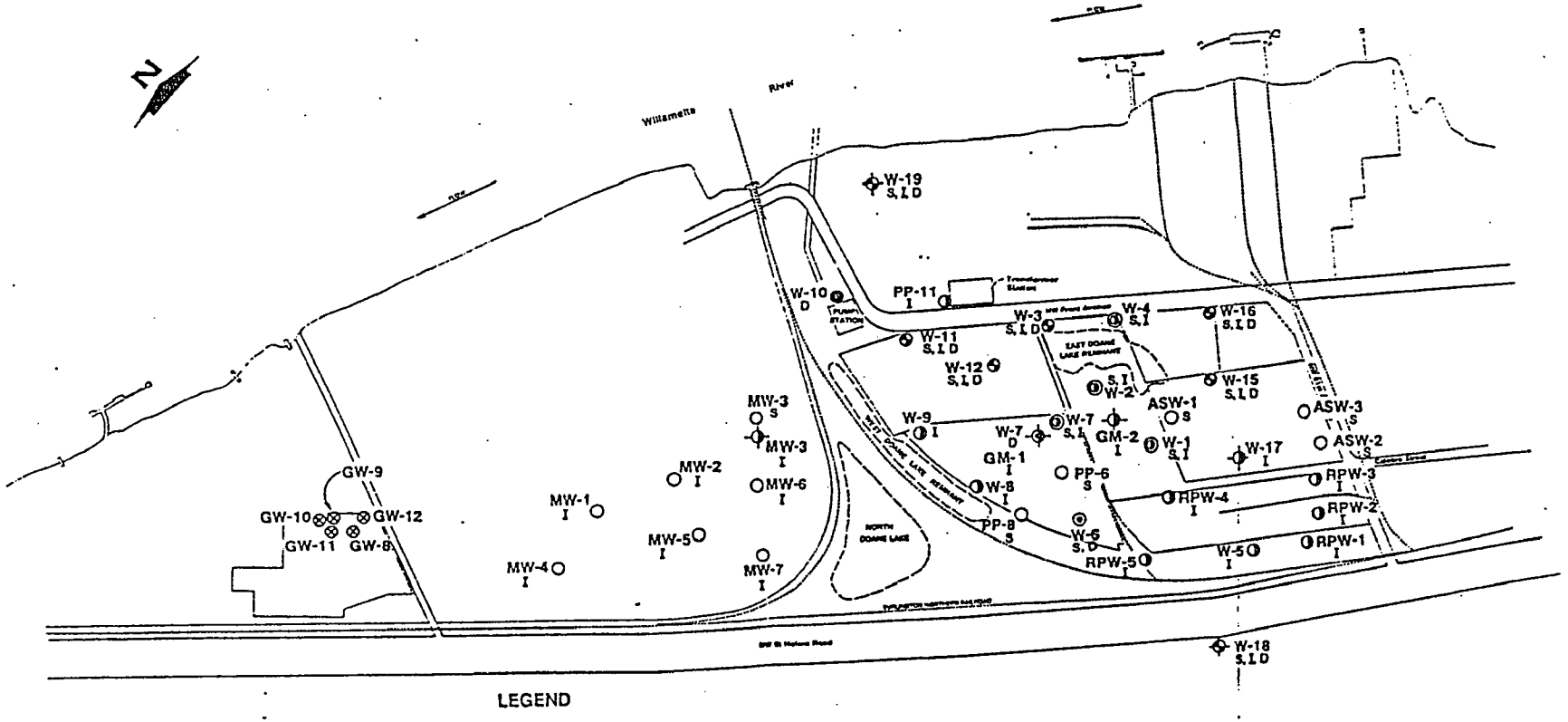

LEGEND

- Shallow Well
- Intermediate Well
- Deep Well
- Nested Well (Shallow/Intermediate)
- Nested Well (Shallow/Deep)
- Nested Well (Shallow/Intermediate/Deep)
- Nested Well (Intermediate/Deep)
- Groundwater Recovery Well
- Proposed Well Location

0 300 600 900
Approximate Scale in Feet

Note: S, I and D following well designations indicate shallow, intermediate and deep screened horizons.

GERAGHTY & MILLER, INC. Environmental Services

PROPOSED MONITORING WELL LOCATION MAP

Doane Lake Area
Portland, Oregon

DRAWN	APPROVED	DATE	PROJECT NUMBER
SAC		Nov. 1989	WA06301

FIGURE 1

- Conduct two constant rate pumping tests in newly installed intermediate alluvial horizon wells. Ground-water samples will be collected from these wells before, during and after the pumping test to assess the water quality.

- Collect one round of ground-water samples from a select number of wells in the Study Area to be analyzed for full scale priority pollutants. The analyses will target the 126 compounds and 24 analytes included on EPA's target compound list (TCL) and target analyte list (TAL). The TCL and TAL include volatile and semivolatile compounds, pesticides, PCB's, metals, and cyanide. All analyses will be conducted following contract laboratory program (CLP) procedures by a government approved CLP laboratory. Refer to Tables 1 and 2 for a listing of the chemical constituents to be tested for, as well as CLP contracted detection limits. Sulfate will also be analyzed for following EPA approved method 9038. Field measurements of pH, temperature and conductivity will be made and recorded at the time of sampling. Shallow wells to be sampled are W-2 S, W-3 S, W-7 S, W-12 S, W-15 S, MW-3 S, MW-7 S, W-18 S, and W-19 S. Intermediate wells to be sampled are RPW-1 I, W-3 I, W-8 I, W-11 I, W-12 I, W-15 I, PP-11 I, W-17 I, W-18 I, W-19 I, MW-3 I, GM-1 I and GM-2 I. The deep wells to be sampled are W-3 D, W-7 D, W-10 D, W-12 D, W-15 D, W-18 D and W-19 D. The location of wells to be sampled may be varied slightly by Geraghty & Miller based upon its proposed hydraulic analysis. Refer to Figure 2 for location of wells to be sampled. Standard quality control procedures will be followed to ensure data quality. Field duplicate blanks and equipment blanks will be collected and analyzed for every twenty ground-water samples collected. Trip blanks will be provided for each cooler containing samples to be delivered to the laboratory.

- Collect one surface-water sample from each of the East, West and North Doane Lake remnants. The surface-water samples will be analyzed for the same chemical constituents as the ground-water samples following the same analytical procedures. Field measurements of pH, temperature and conductivity will be recorded at the time of sampling.

Reporting Activities

Monthly reports will be submitted to ODEQ, which summarize investigation activities during the previous month. It is anticipated that, after approval of a work plan, the field activities described in the previous section and all associated reporting can be completed in approximately eight to ten months.

After field activities are completed, data will be compiled and analyzed. All of the field and laboratory data obtained during the investigation, as well as a description of data collection procedures, will be included in a final ground-water investigation report. The

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TABLE 1
USEPA INORGANIC TARGET ANALYTE LIST (TAL)

Analyte	Detection Limit*	Analyte	Detection Limit*
Aluminum	200	Antimony	60
Arsenic	10	Barium	200
Beryllium	5	Cadmium	5
Calcium	5000	Chromium	10
Cobalt	50	Copper	25
Iron	100	Lead	3
Magnesium	5000	Manganese	15
Mercury	0.2	Nickel	40
Potassium	5000	Selenium	5
Silver	10	Sodium	5000
Thallium	10	Vanadium	50
Zinc	20	Cyanide	10

* Detection limits are listed in parts per billion (ug/L).

All analyses shall be preformed in accordance with methods described in USEPA Contract Laboratory Program's "Statement of Work for Inorganic Analysis Multi-Media Multi-Concentration", dated August 1988.

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TABLE 2 (cont'd)
USEPA ORGANIC TARGET COMPOUND LIST (TCL)

SEMIVOLATILES (cont'd)

Compound	Detection Limit*	Compound	Detection Limit*
2,4-Dichlorophenol	10	1,2,4-Trichlorobenzene	10
Naphthalene	10	4-Chloroaniline	10
Hexachlorobutadiene	10	4-Chloro-3-methylphenol (para-chloro-meta-cresol)	10
2-Methylnaphthalene	10	Hexachlorocyclopentadiene	10
2,4,6-Trichlorophenol	10	2,4,5-Trichlorophenol	50
2-Chloronaphthalene	10	2-Nitroaniline	50
Dimethylphthalate	10	Acenaphthylene	10
2,6-Dinitrotoluene	10	3-Nitroaniline	50
Acenaphthene	10	2,4-Dinitrophenol	50
4-Nitrophenol	50	Dibenzofuran	10
2,4-Dinitrotoluene	10	Diethylphthalate	10
4-Chlorophenyl-phenyl ether	10	Fluorene	10
4-Nitroaniline	50	4,6-Dinitro-2-methylphenol	50
N-Nitrosodiphenylamine	10	4-Bromophenyl-phenylether	10
Hexachlorobenzene	10	Pentachlorophenol	50
Phenanthrene	10	Anthracene	10
Di-n-butylphthalate	10	Fluoranthene	10
Pyrene	10	Butylbenzylphthalate	10
3,3'-Dichlorobenzidine	20	Benzo(a)anthracene	10
Chrysene	10	bis(2-Ethylhexyl)phthalate	10
Di-n-octylphthalate	10	Benzo(b)fluoranthene	10
Benzo(k)fluoranthene	10	Benzo(a)pyrene	10
Indeno(1,2,3-cd)pyrene	10	Dibenz(a,h)anthracene	10
Benzo(g,h,i)perylene	10		

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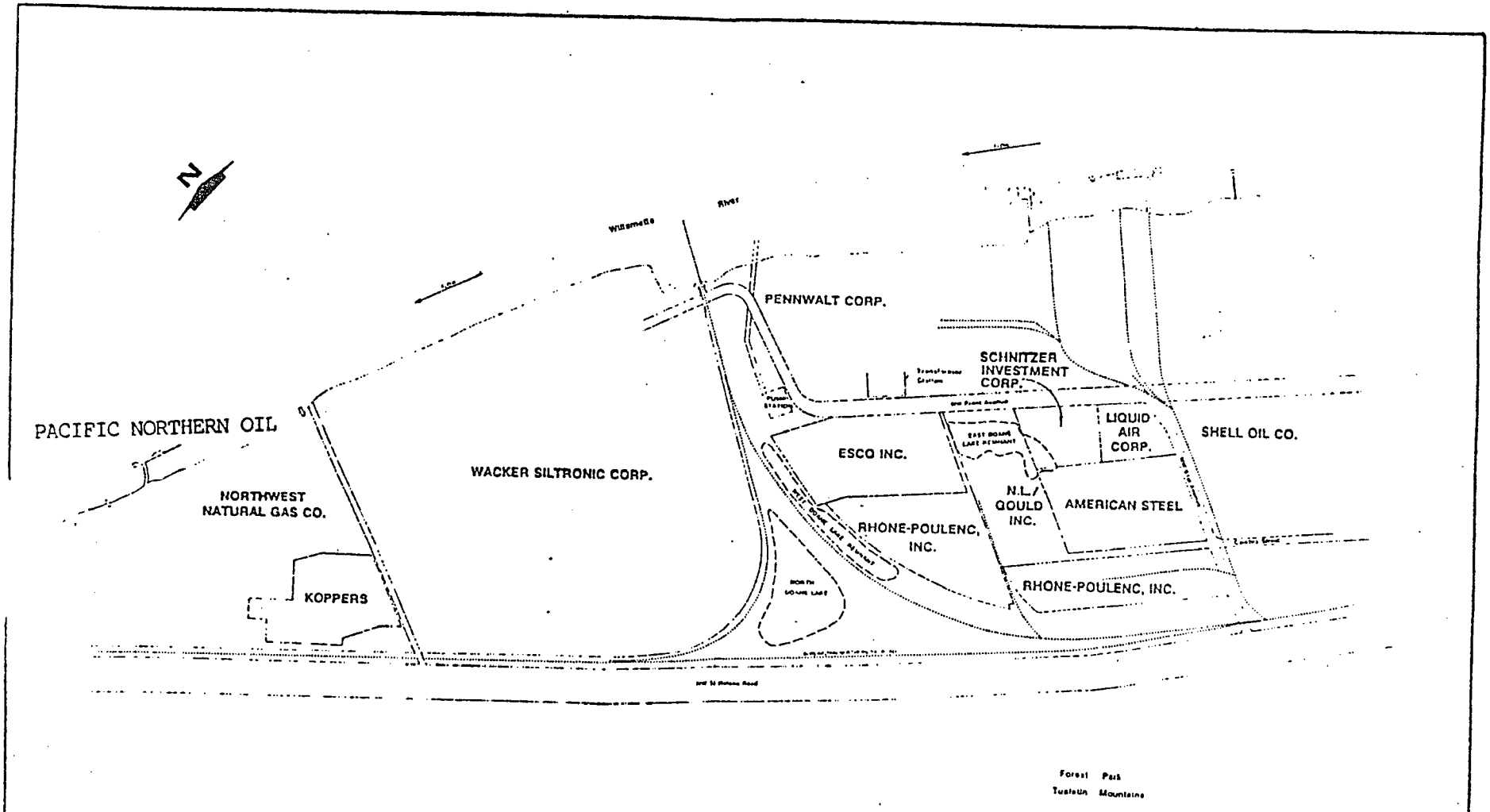
ATTACHMENT B
ORDER ON CONSENT
DEQ NO. ECSR-NWR-89-13



GERAGHTY & MILLER, INC.
Environmental Services

SITE PLAN
Doane Lake Area
Portland, Oregon

DRAWN	APPROVED	DATE	PROJECT NUMBER
SAC		Oct 1989	WA06101

FIGURE 2

Koppers014610

K. Stipulated Penalties..... 14
L. Enforcement of Consent Order and Reservation of Rights..... 15
M. Disclaimer of Liability..... 16
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O. Non-Admission..... 17
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9. Signatures..... 18

1. Purpose.

The mutual objective of DEQ and Respondents is to implement the Scope of Work ("SOW"), attached to and incorporated by reference into this Consent Order, as Attachment A. This investigation outlined in the SOW is necessary to evaluate the hydrogeological conditions in the Doane Lake Study Area ("Study Area") and the interrelationships between remediation, if any, of groundwater at the Gould, Inc. Superfund site and hydrogeological conditions underlying Respondents' sites in the Study Area.

2. Stipulations.

Respondents and DEQ consent and agree:

(A) To issuance of this Consent Order;

(B) To perform and comply with all provisions of this Consent Order;

(C) To not challenge DEQ's jurisdiction to issue and enforce this Consent Order;

(D) To waive any right Respondents might have to seek judicial or administrative review of this Consent Order prior to commencement of action by DEQ to enforce any of the provisions hereof.

(E) That this Consent Order shall not be admissible in any administrative or judicial action except an action to enforce any of its

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Northwest Natural Gas Company owns and operated a site at 7900 N. W. St. Helens Road, Portland, Oregon.

Pacific Northern Oil Company operates a site at 7900 N. W. St. Helens Road, Portland, Oregon.

Pennwalt Corporation owns and operates a site at 6400 N. W. Front Avenue, Portland, Oregon.

Rhone-Poulenc AG Company owns and operates a site at 6200 N. W. St. Helens Road, Portland, Oregon.

Schnitzer Investment Corporation owns and operated a site at 6501 N. W. Front Avenue, Portland, Oregon.

Attachment B, attached to and incorporated by reference into this Consent Order, is a site diagram indicating the relative location of the sites of each of the Respondents.

C. The DEQ finds that there has been a release or a threat of release into the environment of hazardous substances at the Study Area.

D. In addition to the parties who are signatories to this Agreement, DEQ has notified the following entities that they may be liable parties pursuant to ORS 466.567 for conduct of activities addressed in this Order on Consent:

Wacker-Siltronic Corporation
Liquid Air Corporation
Koppers Industries, Inc.

These entities have declined or have not responded to requests by DEQ that they participate in this Order on Consent. DEQ reserves all legal rights and remedies with respect to these nonsettling entities and this Order on Consent shall not relieve any of them from any liability they may have under applicable state, federal, or common law.

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C. Monthly Status Reports.

Respondents shall submit monthly status reports to DEQ outlining activities conducted during the past month and activities planned for the upcoming month, and including a summary of data results received during the previous month.

6. Public Participation.

Upon issuance of this Consent Order, DEQ will provide public notice of this Consent Order through, at least but not limited to, a press release to local paper(s) of general circulation describing the activities to be performed by Respondents under this Consent Order; provided, however, Respondents shall have received a draft of the press release or other communication prepared for distribution to the public at least five (5) working days before issuance of the release, and DEQ will consider in good faith any comments by Respondents on any release prior to issuance. Copies of the Consent Order will be made available to the public.

7. General Provisions.

A. Respondents' Access.

Each Respondent shall be responsible for obtaining in a timely fashion access to such Respondent's site and other property in its possession and control as is necessary to carry out the requirements of this Consent Order. This Consent Order does not convey any rights of access to Respondents. With respect to any other premises where work is reasonably necessary to carry out the requirements of this Consent Order, which premises is not under the ownership or control of Respondents or any one of them, DEQ shall use its best efforts to obtain access to such premises so as to enable Respondents to fully perform the requirements of this Consent Order.

Koppers014613

C. Project Coordinators. All reports, notices, and other communications required under or relating to this Consent Order shall be directed to:

DEQ Project Coordinator:	Respondents' Steering Committee Chairperson:
Sandra Anderson Environmental Cleanup Division Department of Environmental Quality 811 Southwest Sixth Avenue Portland, Oregon 97204 (503) 229-6744 FAX: (503) 229-6124	Claudia K. Powers Lindsay, Hart, Neil and Weigler Suite 1800 222 S. W. Columbia Portland, Oregon 97201-6618 (503) 226-1191 FAX: (503) 226-0079

D. Notice and Samples.

Respondents shall make every reasonable attempt to notify DEQ of any excavation, drilling, or sampling to be conducted under this Consent Order at least five (5) working days prior to such activity but in no event less than twenty-four (24) hours prior to such activity unless otherwise agreed or in an emergency situation. Upon DEQ's oral request, confirmed in writing as soon as practicable, Respondents shall provide DEQ with a split or duplicate of any sample taken pursuant to this Consent Order. In the event DEQ conducts any sampling or analysis in connection with this Consent Order, DEQ shall notify Respondents of any excavation, drilling, or sampling at least five (5) working days prior to such activity but in no event less than twenty-four (24) hours prior to such activity. Upon Respondents' oral request, DEQ shall provide Respondents with a split or duplicate of any samples taken in connection with this Consent Order and promptly shall provide Respondents with copies of all analytical data for such samples.

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of this Consent Order. Except as exempted under subsection (1) of this Section F and upon DEQ's request, a Respondent shall provide copies of such records to DEQ.

(3) Confidentiality.

Any Respondent may assert a claim of confidentiality regarding any documents, records or information submitted to or compiled by DEQ pursuant to this Consent Order. DEQ shall treat documents, records and information for which a claim of confidentiality has been made in accordance with ORS 192.410 through 192.505. If a Respondent does not make a claim of confidentiality at the time the documents, records or information are submitted to or copied by DEQ, the documents, records or information may be made available to the public without notice to the Respondent.

G. Other Applicable Laws.

All actions under this Consent Order shall be performed in accordance with all applicable federal, state, and local laws and regulations; provided, in accordance with ORS 466.573, any on-site activities hereunder may be exempted from any applicable requirements of ORS 466.005 through 466.350 and ORS Chapters 459 and 468.

H. Reimbursement of DEQ Oversight Costs.

Until completion of work to be performed under this Consent Order, DEQ shall accrue costs incurred after issuance of this Order by DEQ or the State of Oregon in connection with any activities related to oversight of this Order.

Oversight costs to be accrued shall include both direct and indirect costs. Direct costs include direct labor costs, site specific expenses, DEQ contractor or legal costs, and any other costs related to DEQ oversight of this

Koppers014615

economic circumstances, shall be presumed not to be circumstances beyond Respondents' control.

J. DEQ Approvals.

(1) Where DEQ review and approval is required for any plan or activity under the Work Plan under this Consent Order, Respondents shall not proceed with the plan or activity until DEQ written approval is received. DEQ approval shall not be unreasonably withheld. DEQ shall make every good faith attempt to respond to the plan or activity submittal within thirty (30) days of receipt of the submittal with either an approval or disapproval. If limited resources or other agency priorities prevent DEQ from responding within thirty (30) days, DEQ shall notify Respondents. Such approval shall not be required for activities undertaken individually by a Respondent on its property and not as implementation of the Work Plan under this Consent Order. Any delay in granting or denying approval shall correspondingly extend the time for completion by Respondents of that activity and each successive related activity.

(2) In the event of disagreement between Respondents and DEQ regarding review and approval of a plan or activity, or regarding interpretation of data, Respondents and DEQ shall provide each other their respective positions in writing regarding the disputed matter and shall make a good faith effort to resolve any disagreement including face-to-face meetings. In the event DEQ and Respondents cannot resolve the disagreement by this method, DEQ and Respondents may upon mutual agreement select a mutually acceptable, qualified, and neutral fact-finder. A party that declines to agree to a neutral fact-finder shall provide the other party a written statement of the reasons for declining to submit the disputed issue to a fact-finder. The

Koppers014616

enforceable part of this Consent Order.

K. Stipulated Penalties.

Upon any unexcused violation by Respondents of any provision of this Consent Order, and upon Respondents' receipt from DEQ of written notice of violation, Respondents shall, if the violation continues after ten (10) days from receipt of such notice, pay the stipulated penalties set forth in the following schedule:

(1) Five hundred dollars ($500.00) for the first week of violation or delay and one thousand dollars ($1,000.00) per day of violation or delay thereafter, for:

(a) failure to submit a revised final work plan in accordance with the schedule in Attachment A of this Consent Order; (b) failure to complete the work in accordance with the schedule in the approved work plan; or

(c) failure to submit a revised final report in accordance with the schedule in Attachment A of this Consent Order;

(2) Five hundred dollars ($500.00) for the first week of violation or delay and one thousand dollars ($1,000.00) per day of violation or delay thereafter, for:

(a) failure to submit a draft Work Plan in accordance with the Schedule in Attachment A of this Consent Order;

(b) failure to commence the work in accordance with the schedule in the approved Work Plan; or

(c) failure to submit draft report in accordance with the schedule in the approved Work Plan.

///

Koppers014617

Consent Order.

(3) Nothing in this Consent Order shall prevent Respondents from exercising any rights of contribution or indemnification Respondents might have against any person regarding activities under this Consent Order.

M. Disclaimer of Liability.

Notwithstanding any approvals which may be granted by DEQ, the State shall not be liable by virtue of this Consent Order for any injuries or damages to persons or property resulting from any acts or omissions of the Respondents, their officers, employees, agents, receivers, trustees, successors, assigns, contractors, subcontractors, or any other person acting on their behalf, in carrying out any activities pursuant to this Consent Order. Neither Respondents, nor any of them, shall be liable by virtue of this Consent Order for any injuries or damages to persons or property resulting from any acts or omissions of DEQ, its employees, agents, contractors or subcontractors or any other person acting in DEQ's behalf, in carrying out any activities pursuant to this Consent Order. This disclaimer shall not abrogate any claims which the parties might otherwise have under common law or statute.

N. Other Claims.

Nothing in this Consent Order shall constitute or be construed as a release from any claim, cause of action, or demand in law or equity against any person, firm, partnership, corporation, or other entity not a signatory to this Consent Order for any liability it may have arising out of or in any way relating to the generation, treatment, storage, handling, transportation, release or disposal of any hazardous substance, hazardous waste, solid waste, pollutant, or contamination present on, at, beneath, near, or migrating from, taken to, or taken from any site identified in Section 3. above.

Koppers014618

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

GOULD, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NL INDUSTRIES, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NORTHWEST NATURAL GAS COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

Koppers014619

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

GOULD, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NL INDUSTRIES, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NORTHWEST NATURAL GAS COMPANY

By: Bruce R. LeBarr Date: 19 Dec 89
(Name)

SR VICE PRESIDENT
(Title)

Koppers014620

9. Signatures.

STIPULATED, AGREED, and APPROVED for issuance:

Respondents

ESCO CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

GOULD, INC.

By: Richard C. Vey Date: 12/18/89
(Name)
VP-GENERAL COUNSEL
(Title) & SECRETARY

NL INDUSTRIES, INC.

By: _____ Date: _____
(Name)

_____
(Title)

NORTHWEST NATURAL GAS COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

Koppers014621

PACIFIC NORTHERN OIL COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

PENNWALT CORPORATION

By: _____ Date: _____
(Name)

_____
(Title)

RHONE-POULENC AG COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

SCHNITZER INVESTMENT CORP.

By: _____ Date: 12-13-89
(Name)
Vice Pres.
(Title)

STIPULATED, AGREED, and so ORDERED:

State of Oregon
Department of Environmental Quality

By: _____ Date: JAN 10 1990
Fred Hansen
Director

Koppers014622

PACIFIC NORTHERN OIL COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

PENNWALT CORPORATION

By: Edward L Locke Date: 12-13-89
(Name)

Plant Manager
(Title)

RHONE-POULENC AG COMPANY

By: _____ Date: _____
(Name)

_____
(Title)

SCHNITZER INVESTMENT CORP.

By: _____ Date: _____
(Name)

_____
(Title)

STIPULATED, AGREED, and so ORDERED:

State of Oregon
Department of Environmental Quality

By: Fred Hansen Date: JAN 10 1990
Fred Hansen
Director

Koppers014623

"Guidelines and Specifications for Preparing Quality Assurance Program Plans", QAMS-004/80, 1980.

A site specific health and safety plan will be prepared for review by all field personnel prior to conducting any on-site field work. The plan will describe known hazards in the area and recommend the level of protective clothing and equipment to be used by field technicians. Equipment and personal decontamination procedures will be described in the health and safety plan as well. Local medical, fire and enforcement agency numbers and addresses will be included for quick referral during an emergency situation.

Field Activities

The following field activities will be performed in order to obtain data which are necessary to meet the objectives of the proposed investigation.

- Install eleven new monitoring wells in the Doane Lake Area. Three of the new wells will be installed down gradient from the Gould site near the Willamette River and will be completed as shallow, intermediate and deep wells (W-19 S, I and D). Another triple completion well nest (W-18 S, I and D) will be installed up gradient of the Rhône-Poulenc property near NW St Helens Road. Four intermediate wells will be installed in the Doane Lake Area. Two of the wells will serve as pumping wells and be located near monitoring well sites W-7 (GM-1 I) and W-2 (GM-2 I). Of the remaining two intermediate wells one (W-17 I) will be installed on the southwest side of the American Steel property and the other (MW-3 I) will be installed near MW-3 S on the Wacker property. One deep well (W-7 D) will be installed near W-7. All of the wells will be installed in compliance with ODEQ's "Guidelines for Monitoring Well Design, Installation, Testing, Decommissioning and Record Keeping". Refer to Figure 1 for proposed well locations.

- Resurvey all new and existing monitoring well tops in the Doane Lake Area to tie the well network into a common datum.

- Collect water-level measurements from all of the monitoring wells and surface water bodies in the Study Area on a monthly basis for six months.

- Collect continuous ground-water level data in two of the wells in the south Doane Lake Area by installing continuous water-level recorders. The recorders will remain in place for one month.

- Conduct slug tests in the newly installed wells, to integrate hydraulic data from the new wells with the existing data base.

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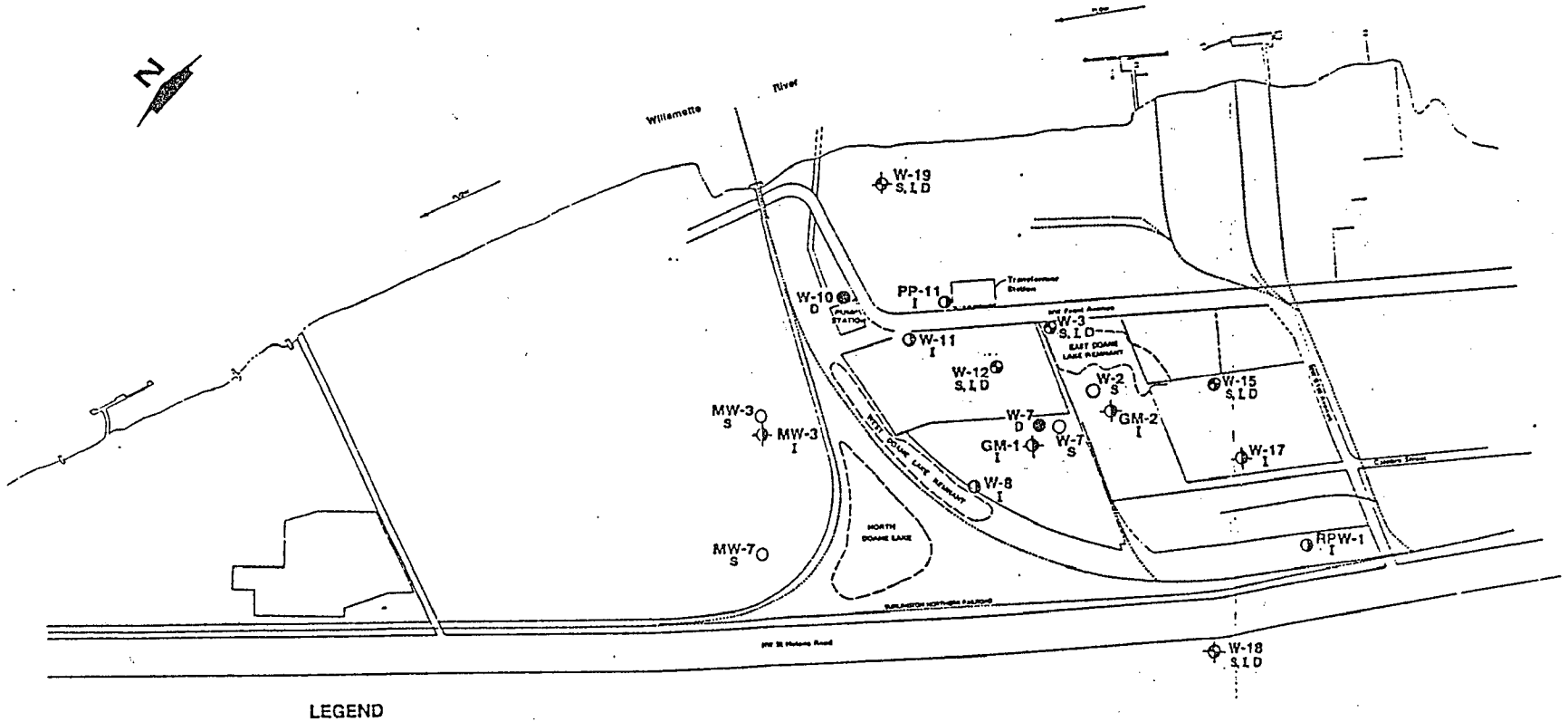
Koppers014625



LEGEND

- ○ Shallow Well
- ◑ Intermediate Well
- ● Deep Well
- ◉ Nested Well (Shallow/Intermediate/Deep)
- ⊕ Proposed Well Location

0 300 600 900

Approximate Scale in Feet

Note: S, I and D following designations indicate shallow, intermediate and deep screened horizons.

GERAGHTY & MILLER, INC. Environmental Services

PROPOSED GROUND-WATER SAMPLING LOCATIONS

Doane Lake Area
Portland, Oregon

FIGURE 2

DRAWN	APPROVED	DATE	PROJECT NUMBER
SAC	dar	Nov. 1989	WA06301

- Conduct two constant rate pumping tests in newly installed intermediate alluvial horizon wells. Ground-water samples will be collected from these wells before, during and after the pumping test to assess the water quality.

- Collect one round of ground-water samples from a select number of wells in the Study Area to be analyzed for full scale priority pollutants. The analyses will target the 126 compounds and 24 analytes included on EPA's target compound list (TCL) and target analyte list (TAL). The TCL and TAL include volatile and semivolatile compounds, pesticides, PCB's, metals, and cyanide. All analyses will be conducted following contract laboratory program (CLP) procedures by a government approved CLP laboratory. Refer to Tables 1 and 2 for a listing of the chemical constituents to be tested for, as well as CLP contracted detection limits. Sulfate will also be analyzed for following EPA approved method 9038. Field measurements of pH, temperature and conductivity will be made and recorded at the time of sampling. Shallow wells to be sampled are W-2 S, W-3 S, W-7 S, W-12 S, W-15 S, MW-3 S, MW-7 S, W-18 S, and W-19 S. Intermediate wells to be sampled are RPW-1 I, W-3 I, W-8 I, W-11 I, W-12 I, W-15 I, PP-11 I, W-17 I, W-18 I, W-19 I, MW-3 I, GM-1 I and GM-2 I. The deep wells to be sampled are W-3 D, W-7 D, W-10 D, W-12 D, W-15 D, W-18 D and W-19 D. The location of wells to be sampled may be varied slightly by Geraghty & Miller based upon its proposed hydraulic analysis. Refer to Figure 2 for location of wells to be sampled. Standard quality control procedures will be followed to ensure data quality. Field duplicate blanks and equipment blanks will be collected and analyzed for every twenty ground-water samples collected. Trip blanks will be provided for each cooler containing samples to be delivered to the laboratory.

- Collect one surface-water sample from each of the East, West and North Doane Lake remnants. The surface-water samples will be analyzed for the same chemical constituents as the ground-water samples following the same analytical procedures. Field measurements of pH, temperature and conductivity will be recorded at the time of sampling.

Reporting Activities

Monthly reports will be submitted to ODEQ, which summarize investigation activities during the previous month. It is anticipated that, after approval of a work plan, the field activities described in the previous section and all associated reporting can be completed in approximately eight to ten months.

After field activities are completed, data will be compiled and analyzed. All of the field and laboratory data obtained during the investigation, as well as a description of data collection procedures, will be included in a final ground-water investigation report. The

Koppers014626

TABLE 1
USEPA INORGANIC TARGET ANALYTE LIST (TAL)

Analyte	Detection Limit*	Analyte	Detection Limit*
Aluminum	200	Antimony	60
Arsenic	10	Barium	200
Beryllium	5	Cadmium	5
Calcium	5000	Chromium	10
Cobalt	50	Copper	25
Iron	100	Lead	3
Magnesium	5000	Manganese	15
Mercury	0.2	Nickel	40
Potassium	5000	Selenium	5
Silver	10	Sodium	5000
Thallium	10	Vanadium	50
Zinc	20	Cyanide	10

* Detection limits are listed in parts per billion (ug/L).

All analyses shall be preformed in accordance with methods described in USEPA Contract Laboratory Program's "Statement of Work for Inorganic Analysis Multi-Media Multi-Concentration", dated August 1988.

Koppers014627

TABLE 2 (cont'd)
USEPA ORGANIC TARGET COMPOUND LIST (TCL)

SEMIVOLATILES (cont'd)

Compound	Detection Limit*	Compound	Detection Limit*
2,4-Dichlorophenol	10	1,2,4-Trichlorobenzene	10
Naphthalene	10	4-Chloroaniline	10
Hexachlorobutadiene	10	4-Chloro-3-methylphenol (para-chloro-meta-cresol)	10
2-Methylnaphthalene	10	Hexachlorocyclopentadiene	10
2,4,6-Trichlorophenol	10	2,4,5-Trichlorophenol	50
2-Chloronaphthalene	10	2-Nitroaniline	50
Dimethylphthalate	10	Acenaphthylene	10
2,6-Dinitrotoluene	10	3-Nitroaniline	50
Acenaphthene	10	2,4-Dinitrophenol	50
4-Nitrophenol	50	Dibenzofuran	10
2,4-Dinitrotoluene	10	Diethylphthalate	10
4-Chlorophenyl-phenyl ether	10	Fluorene	10
4-Nitroaniline	50	4,6-Dinitro-2-methylphenol	50
N-Nitrosodiphenylamine	10	4-Bromophenyl-phenylether	10
Hexachlorobenzene	10	Pentachlorophenol	50
Phenanthrene	10	Anthracene	10
Di-n-butylphthalate	10	Fluoranthene	10
Pyrene	10	Butylbenzylphthalate	10
3,3'-Dichlorobenzidine	20	Benzo(a)anthracene	10
Chrysene	10	bis(2-Ethylhexyl)phthalate	10
Di-n-octylphthalate	10	Benzo(b)fluoranthene	10
Benzo(k)fluoranthene	10	Benzo(a)pyrene	10
Indeno(1,2,3-cd)pyrene	10	Dibenz(a,h)anthracene	10
Benzo(g,h,i)perylene	10		

Koppers014628

KOPPERS

INDUSTRIES

Mr. Richard Wixom,
Oregon Dept. of Environmental Quality
Northwest Region
Portland, Oregon

January 5, 1990

Dear Sir,

First of all let me apologize at the outset for the late date of this letter to you, but due to a strong flurry of business and the late arrival of a ship at the Port of Portland, our time was more than put to the test.

I am pleased to report to you that the fume system which we installed to control "nuisance emissions" at our Creosote unloading rail track was completed within the agreed time set down by D.E.Q.. As you recall we informed you that a outside contractor was brought in by Koppers to ensure the projects timely completion. On the afternoon of December 20, 1989, the system was started and put through its paces, all the results were pleasing.

Should any further information be needed by you, Please feel free to call.

Regards,

John A. Oxford
Plant Manager

CC: W. Swearingen K-1900
L. Flaherty K-1750
Plant File

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663

Telephone: (503) 286-3681
FAX: (503) 285-2831

November 22, 1989

Mr. Richard Wixom
Department of Environmental Quality
811 S. W. 6th Ave.
Portland, Oregon 97204

RE: Koppers Industries, Inc.
Notice of Non-Compliance
NWR-89-122

Dear Mr. Wixom:

We have been proceeding with construction of the fume scrubber for #3 track using plant personnel. It is estimated that the installation is over 30% completed at this time. Due to unforseen mechanical problems and breakdowns in our production facilities, we have not been able to devote full time to this project. Using plant personnel only, we project that the construction time for the fume scrubber may extend well into the first quarter of 1990.

In an effort to complete this project by December 31, 1989, we have engaged the services of an outside contractor as of this date. Our discussions with the contractor indicate that the fume scrubber installation can be completed by year end.

A fume abatement system for #5 track is still being evaluated by our engineering department. In the meantime, a modification to the loading spout has significantly reduced the emissions from tank cars when they are heated. We will continue to evaluate other appropriate control systems for this area.

We believe that the installation of the fume scrubber on #3 track and the spout modifications made at #5 track will significantly reduce odors that are attributable to the "nuisance conditions" noted in the notice of non-compliance. Please call me at (503) 286-3681 if you have any questions.

Sincerely Yours,

John A. Oxford
Plant Manager

CC: J.R. Batchelder K-1701
L.F. Flaherty K-1750
W.E. Swearingen K-1800

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001
FAX: (412) 227-2022

November 22, 1989

Mr. Richard H. Wixom
Department of Environmental Quality
811 S. W. 6th Ave.
Portland, OR 97204-1390

Re: Koppers Industries, Inc.
Notice of Non-Compliance
NWR-89-122

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Sincerely yours,

John A. Oxford
Plant Manager

cc: J. R. Batchelder - K-1701
L. F. Flaherty - K-1750
W. E. Swearingen - K-1800

JAO/rks

Koppers014631

KOPPERS INDUSTRIES

INTEROFFICE CORRESPONDENCE

To:	J. A. Oxford	From:	William E. Swearingen
Location:	Northwest Terminal	Location:	K-1801
Subject:	Response To Odor Complaints Notice of Non-Compliance	Date:	November 22, 1989

The enclosed letter provides an updated response to the subject complaint. Please sign and mail to DEQ as noted in the letter heading.

Send me a copy of the letter after you have signed it. Also, would you send me a signed copy of the September 28, 1989 letter that you sent to Wixom.

I will be on vacation the week of November 27th so call me at home (304) 737-0627 if you have any questions.

William E. Swearingen

WES/rks

DEC 1 1989

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001
FAX: (412) 227-2022

November 22, 1989

Mr. Richard H. Wixom
Department of Environmental Quality
811 S. W. 6th Ave.
Portland, OR 97204-1390

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NWR-89-122

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Sincerely yours,

John A. Oxford
Plant Manager

cc: J. R. Batchelder - K-1701
L. F. Flaherty - K-1750
W. E. Swearingen - K-1800

JAO/rks

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663

Telephone: (503) 286-3681
FAX: (503) 285-2831

September 28, 1989

Mr. Richard H. Wixom
Department of Environmental Quality
811 S. W. 6th Avenue
Portland, Oregon 97204

Dear Sir:

This letter is in response to the notice of non-compliance issued by you to Koppers Industries, Inc. on August 22, 1989. In that letter you stated that "nusiance conditions" existed in our plant at the creosote unloading area on Rail Track #3 and the Tar/Pitch heating area on Rail Track #5.

Through prior arrangement and agreement between us, a meeting was held on Friday, September 22, 1989 at my office which was attended by you, this writer, and Mr. William Swearingen, Environmental Manager for the Tar Division of Koppers Industries Inc., Pittsburgh, Pa. At this meeting, the D.E.Q. concerns were discussed at length. We are indeed concerned and want to be considered as a "good neighbor" in the community and are committed to operating in compliance with the law. As we discussed, there are several options that must be considered concerning a course of action that would address solving these problems for the long term, and we would like to be sure that the proper course of action is taken. To that end, Mr. Swearingen will consult with our Management in Pittsburgh, and also our Engineering Department, for their recommedations on these matters.

Furthermore, we agreed to address these "nuisance conditions" for the short term by trying to better seal the vents on these tank cars while they are in the heating process, thereby lessening their vapors and odors.

Let me assure you that as soon as an engineering decision is reached and a long term course of action is put together, I will be in contact with your office advising you of our proposed action.

Sincerely,

John A. Oxford
Plant Manager

JAO:mn

KOPPERS INDUSTRIES

Koppers Industries, Inc.
436 Seventh Avenue
Pittsburgh, PA 15219-1800

Telephone: (412) 227-2001
FAX: (412) 227-2022

September 28, 1989

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Department of Environmental Quality
811 S. W. 6th Avenue
Portland, Oregon 97204

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Sincerely,

John A. Oxford
Plant Manager

JAO/rks

09/28/89 12:21 NO.008 001

KOPPERS

7540 N.W. ST. HELENS ROAD
PORTLAND, OREGON 97210

TO: Wm. Swearingen

COMPANY NAME: K I I

FROM: Koppers / Portland

NUMBER OF PAGES TO FOLLOW: (1) One

IF YOU DO NOT RECEIVE ALL MATERIAL TRANSMITTED, PLEASE CALL US AT: (503) 286-3681

OUR FAX NUMBER IS: (503) 285-2831

SENT BY: John V. TIME: 9:15 DATE: 9/27/89

RICHARD H. WIXOM
Environmental Analyst
REGIONAL OPERATIONS DIVISION
Northwest Region
Underground Storage Tanks

Department of Environmental Quality
811 SW 6th Avenue Portland 97204 Phone (503) 229-6020
In Oregon call toll free 1-800-452-4011

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663

Telephone: (503) 286-3681
FAX: (503) 285-2831

September 27,1989
RE:NWR 89-122

Mr. Richard H. Wixom
Department of Environmental Quality
811 S. W. 6th Avenue
Portland, Oregon 97204

Dear Sir:

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After numerous visits to our plant and telephone conversations between you and myself, a meeting was set on Friday September 22, 1989 at my office which was attended by you, this writer, and Mr. William Swearingen, Environmental Manager for the Tar Division of Koppers Industries Inc., Pittsburgh, Pa. At this meeting the D.E.Q.'S concerns were discussed at length. Also it pointed out that Koppers was indeed concerned and committed to being a "good neighbor" in the community operating in compliance with the law. To this end Mr. Swearingen and I pointed that there were many options open concerning a course of action that would address solving these problems for the long term, and to be sure that the proper course of action's is taken, Mr. Swearingen will consult our Management in Pittsburgh, and also our Engineering Department, for their recommendations on these matters.

Furthermore, we agreed to address these nuisance conditions for the short term by trying to better seal the vents on these tank cars while they are in the heating process, thereby, lessening their vapors and odors.

Let me assure you that as soon as all opinions can be gathered, and a long term course of action is put together, I will be in contact with your office advising you of my Company's intended action.

Sincerely,

John A. Oxford
Plant Manager

NEIL GOLDSCHMIDT
GOVERNOR

Department of Environmental Quality

811 SW SIXTH AVENUE, PORTLAND, OREGON 97204-1390 PHONE (503) 229-5696

August 22, 1989

John A. Oxford
Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Re: AQ-Koppers Industries, Inc.
Multnomah County
NWR-89-122
NOTICE OF NONCOMPLIANCE

Dear Sir:

On or about August 7, 1989, while driving on St. Helens Road I observed odors drifting from your property which were very strong and had physical effects. Because of the intensity, I drove into Koppers and spoke to you about the operation.

The emissions have been identified to be from the steam released from heating a tank car of coaltar creosote on track #3, and heating an additional coaltar pitch rail tank car on track #5. The odors coming from these two sources are unacceptable and both are classified as a "nuisance condition" (see enclosure).

Please submit your corrective action plans to the Department for approval by September 30, 1989. Implementation and construction are to be finished by December 31, 1989, excluding just cause. Starting in October, the Department is to receive a monthly report on the progress of construction until completion.

If you have any question, please call me at 229-6020.

Sincerely,

Richard H. Wixom
Environmental Analyst
Northwest Region

RHW:y
RY8778
Enclosures
cc: Air Quality Division, DEQ

AUG 2 4

DEQ-1

KOPPERS

7540 N.W. ST. HELENS ROAD
PORTLAND, OREGON 97210

TO: L. Flaherty K-1750 & Wm. Swearengen K-1700

COMPANY NAME: KII

FROM: John Offord

NUMBER OF PAGES TO FOLLOW: (2) Two

IF YOU DO NOT RECEIVE ALL MATERIAL TRANSMITTED, PLEASE CALL US AT: (503) 286-3681

OUR FAX NUMBER IS: (503) 285-2831

SENT BY: John TIME: 3:10 DATE: 8/25/89

NEIL GOLDSCHMIDT
GOVERNOR

Department of Environmental Quality

811 SW SIXTH AVENUE, PORTLAND, OREGON 97204-1390 PHONE (503) 229-5696

August 22, 1989

John A. Oxford
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Richard H. Wixom
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RY8778
Enclosures
cc: Air Quality Division, DEQ

Stat. Auth.: ORS Ch. 468
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72

Particulate Emissions From Process Equipment

Applicability

340-21-035 This rule shall apply to all industrial processes other than those for which specific emission standards have been adopted. Also excluded are fuel burning and refuse burning equipment in which combustion gases do not mix directly with process materials.

Stat. Auth.: ORS Ch. 468
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72

Emission Standard

340-21-040 No person shall cause, suffer, allow, or permit the emission of particulate matter in any one hour from any process in excess of the amount shown in Table 1, for the process weight rate allocated to such process.

Stat. Auth.: ORS Ch. 468
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72

Determination of Process Weight

340-21-045 (1) Process weight per hour is the total weight of all materials introduced into any specific process, which process may cause any discharge of particulate matter. Solid fuels charged will be considered as part of the process weight, but liquid and gaseous fuels and combustion air will not. For a cyclical or batch operation, the process weight per hour will be derived by dividing the total process weight by the number of hours in one complete operation from the beginning of any given process to the completion thereof, excluding any time during which the equipment is idle. For a continuous operation, the process weight per hour will be derived by dividing the process weight by a typical period of time.

(2) Where the nature of any process or operation or the design of any equipment is such as to permit more than one interpretation of this rule, the interpretation that results in the minimum value for allowable emission shall apply.

Stat. Auth.: ORS Ch. 468
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72

Fugitive Emissions

Definitions

340-21-050 As used in this rule, unless otherwise required by context:

(1) "Fugitive emissions" means dust, fumes, gases, mist, odorous matter, vapors or any combination thereof not easily given to measurement, collection, and treatment by conventional pollution control methods.

(2) "Nuisance conditions" means unusual or annoying amounts of fugitive emissions traceable directly to one or more specific sources. In determining whether a nuisance condition exists, consideration shall be given to all of the circumstances, including density of population, duration of the activity in question, and other applicable factors.

Stat. Auth.: ORS Ch. 468
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72

Applicability

340-21-055 This rule shall be applicable:

(1) Within Special Control Areas, as defined in rule 340-21-010.

(2) When ordered by the Department, in other areas when the need for application of the regulation, and the practicability of control measures, have been clearly demonstrated.

Stat. Auth.: ORS Ch. 468
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72

Requirements

340-21-060 (1) When fugitive emissions escape from a building or equipment in such a manner and amount as to create nuisance conditions or to violate any regulation, the Department may, in addition to other means of obtaining compliance, order that the building or equipment in which processing, handling and storage are done be tightly closed and ventilated in such a way that air contaminants are controlled or removed before discharge to the open air.

(2) No person shall cause, suffer, allow, or permit any materials to be handled, transported, or stored; or a building, its appurtenances, or a road to be used, constructed, altered, repaired or demolished; or any equipment to be operated, without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, but not be limited to the following:

(a) Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;

(b) Application of asphalt, oil, water, or other suitable chemicals on unpaved roads, materials stockpiles, and other surfaces which can create airborne dusts;

(c) Full or partial enclosure of materials stockpiles in cases where application of oil, water, or chemicals are not sufficient to prevent particulate matter from becoming airborne;

(d) Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials;

(e) Adequate containment during sandblasting or other similar operations;

(f) Covering, at all times when in motion, open bodied trucks transporting materials likely to become airborne;

(g) The prompt removal from paved streets of earth or other material which does or may become airborne.

Stat. Auth.: ORS Ch. 468
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72

Upset Conditions

Introduction

340-21-065 Emission of air contaminants in excess of applicable standards as a result of scheduled maintenance or equipment breakdown shall not be considered a violation of said standards provided the conditions of rules 340-21-070 and 340-21-075 are met.

Stat. Auth.: ORS Ch. 468
Hist.: DEQ 37, f. 2-15-72, ef. 3-1-72

Koppers014641

Beazer Materials and Services, Inc.
A Member of THE BEAZER GROUP
Law Department
436 Seventh Avenue, Pittsburgh, PA 15219
Phone: 412-227-2430 Fax: 412-227-2042

Jill M. Blundon
General Counsel
Thomas Burgunder
Thomas F. Reid
George Carroll
Mary Dombrowski Wright
Billie Schrecker Nolan
William F. Giarla
Babette Magee
James B. Springfield
Real Estate Manager

June 2, 1989

Fred Hansen
Director
Department of Environmental Quality
811 SW Sixth Ave.
Portland, OR 97204-1390

Jay F. Young
NL Industries, Inc.
P. O. Box 1090
Hightstown, NJ 08520

RE: Doane Lake

Gentlemen:

Please be advised that as a result of the December 28, 1988 sale of the former Koppers Company, Inc. (now known as Beazer Materials and Services, Inc. ("BM&S")) tar terminal located in Portland, Oregon ("plant") to Koppers Industries, Inc. ("KII"), BM&S has assumed liability, if any, arising out of environmental contamination at the plant, if any, occurring before December 28, 1988. Accordingly, with respect to the Doane Lake site, if any liability is determined to arise from activities at the plant before December 28, 1988, that liability will be BM&S', not KII's. As you know, BM&S continues to take the position that no such liability exists.

Therefore, all future communications with respect to the Doane Lake site should be directed to Billie Nolan, Beazer Materials and Services, Inc., 1400 Koppers Building, Pittsburgh, PA 15219 and not to the plant or to anyone else at KII.

Writer's Direct Dial Number 412/227-2414

Thank you for your assistance in this regard.

Very truly yours,

Jill M. Blundon
Vice President and
General Counsel

cc: J. Batchelder
L. Flaherty
J. Oxford - KII Portland

NEIL GOLDSCHMIDT
GOVERNOR

Department of Environmental Quality

811 SW SIXTH AVENUE, PORTLAND, OREGON 97204-1390 PHONE (503) 229-5696

JUL 30

July 6, 1989

Re: Hazardous Waste Fees

Dear Hazardous Waste Generator:

This letter concerns the billing you will receive in September from the Department of Environmental Quality for calendar year 1988 fees due from hazardous waste generators and treatment, storage and disposal (TSD) facilities. This year's billing will be at the same rate as the billing you received in 1988 for waste generated in calendar year 1987. The fees will not be higher than in 1988, nor will they be lower, unless the quantity of waste generated has increased or decreased.

As you may recall, the fees billed in 1988 included a surcharge to avert a funding shortfall in the hazardous waste program. That surcharge was supported by the regulated community with the understanding that the Department would work with the regulated community to develop a new fee schedule, and to bring new fee payers into the system.

The Department has worked with representatives of the regulated community and, with their support, has determined that what was hoped to be a one-time surcharge must be made a permanent part of the fee schedule in order to fully fund Oregon's hazardous waste program. The Department also recognizes that further work needs to be done to distribute fees more equitably and to bring more fee payers into the system.

The Environmental Quality Commission (EQC) will meet in Corvallis on July 21 at La Sells Steward Conference Center on the Oregon State University Campus. The surcharge is proposed to be incorporated into the fee schedule by rule at that meeting. Your comments are welcome either in writing or at the meeting.

Attached is a list of members of the Hazardous Waste Funding Committee who have worked with the Department to stabilize funding for the program. If you have questions or would like further information, please contact members of the Hazardous Waste Funding Committee, or call Debi Sturdevant or Kathi Futornick of the Department's hazardous waste staff at (503) 229-5913.

Sincerely,

Stephanie Hallock

Stephanie Hallock
Division Administrator

Enclosure

DEQ-1

Koppers014644

HAZARDOUS WASTE FUNDING COMMITTEE MEMBERSHIP LIST

Frank Deaver
Tektronix, Inc.
Beaverton

Jason Boe
Jason Boe & Associates
Portland

Douglas Richardson
Great Western Chemical Co.
Portland

Tom Donaca
Associated Oregon Industries
Portland

Diane Stockton
Omark Industries
Milwaukie

John Pittman
Wacker Siltronic Corp.
Portland

Robert Ferguson
Rhone-Poulenc
Portland

Richard Zweig
Chem-Security Systems, Inc.
Arlington

Terry Virnig (alternate)
Chemical Waste Mgmt.
Portland

ZV250 (HWPD)

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663

Telephone: (503) 286-3681
FAX: (503) 285-2831

November 22, 1989

Mr. Richard Wixom
Department of Environmental Quality
811 S. W. 6th Ave.
Portland, Oregon 97204

RE: Koppers Industries, Inc.
Notice of Non-Compliance
NWR-89-122

Dear Mr. Wixom:

We have been proceeding with construction of the fume scrubber for #3 track using plant personnel. It is estimated that the installation is over 30% completed at this time. Due to unforseen mechanical problems and breakdowns in our production facilities, we have not been able to devote full time to this project. Using plant personnel only, we project that the construction time for the fume scrubber may extend well into the first quarter of 1990.

In an effort to complete this project by December 31, 1989, we have engaged the services of an outside contractor as of this date. Our discussions with the contractor indicate that the fume scrubber installation can be completed by year end.

A fume abatement system for #5 track is still being evaluated by our engineering department. In the meantime, a modification to the loading spout has significantly reduced the emissions from tank cars when they are heated. We will continue to evaluate other appropriate control systems for this area.

We believe that the installation of the fume scrubber on #3 track and the spout modifications made at #5 track will significantly reduce odors that are attributable to the "nuisance conditions" noted in the notice of non-compliance. Please call me at (503) 286-3681 if you have any questions.

Sincerely Yours,

John A. Oxford
Plant Manager

CC: J.R. Batchelder K-1701
L.F. Flaherty K-1750
W.E. Swearingen K-1800

HAHN AND ASSOCIATES, INC.
ENVIRONMENTAL CONSULTANTS

February 14, 2006

Ms. Heidi Blischke
Oregon Department of Environmental Quality
Northwest Region, Portland Office
2020 SW 4th Avenue, Suite 400
Portland, Oregon 97201-4987

HAI Project No. 2708

SUBJECT: Ambient Indoor Air Evaluation Report
NW Natural – Koppers Inc. Lease Area
7900 NW St. Helens Road, Portland, Oregon

Dear Ms. Blischke:

On behalf of NW Natural, Hahn and Associates, Inc. (HAI) is submitting three copies of the enclosed *Ambient Indoor Air Evaluation Report* for the air sampling work that was conducted in July 2005 at the NW Natural Gasco facility property located at 7900 NW St. Helens Road, Portland, Oregon.

Please call the undersigned at (503) 796-0717 if you have any questions.

Sincerely,

Rob Ede, R.G.
Senior Associate

Enclosure

cc: Mr. Bob Wyatt, NW Natural
Ms. Patty Dost, Schwabe, Williamson & Wyatt
Mr. Carl Stivers, Anchor Environmental, LLC
Mr. T.J. Turner, Koppers, Inc.

434 NW 6th AVENUE, SUITE 203 • PORTLAND, OREGON 97209-3651
503-796-0717 Telephone • 503-227-2209 Facsimile

1.0 GENERAL EMISSION STANDARDS AND LIMITS

1.1 Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

a. Emissions from any air contaminant source installed on or before June 1, 1970 must not exceed an opacity equal to or greater than 40% for a period aggregating more than 3 minutes in any one hour.

b. Emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.

Can the fume system meet this requirement, How will it be tracked.

c. Emissions from any air contaminant source other than fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 30 seconds in any one hour.

1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

a. Particulate matter emissions from any fuel burning equipment installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO_2 or 50% excess air.

b. Particulate matter emissions from any burning equipment installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO_2 or 50% excess air.

c. Particulate matter emissions from fuel burning equipment must not exceed:

i. 0.2 grains per dry standard cubic foot corrected to 12% CO_2 when using wood residue in equipment that existed before April 7, 1978;

ii. 0.1 grains per dry standard cubic foot corrected to 12% CO_2 when using wood residue in equipment that did not exist before April 7, 1978; or

iii. The emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels, except natural gas and

ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

iii. 1.75% sulfur by weight for residual oil;

b. The permittee is allowed to use on-specification used oil as fuel which contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

2.0 OPERATION AND MAINTENANCE REQUIREMENTS

2.1. Work practices

a. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emission of air contaminant are kept at the lowest practicable levels.

(Does this mean the fume must operate at all times?)

b. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of two (2) years and for Department's inspection.

3.0 PLANT SITE EMISSION LIMITS

3.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO_2	39	tons per year
NO_X	39	tons per year
CO	99	tons per year
VOC	39	tons per year

3.2. Annual Period The annual plant site emissions limits apply to any 12-consecutive calendar month period.

This means that the emission limits VOC, etc. must be tracked on a montly basis and reported to ODEQ on an annual basis. A spreadsheet using calculation in 4. will need to be developed into which you would input throughput data.

Yes

May before not an issue

4.0 COMPLIANCE DEMONSTRATION

4.1. Monitoring Requirements The permittee must monitor the operation and maintenance of the plant and associated air contaminant control devices as follows:

a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.

b. Excess emission (recorded on occurrence)

c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

4.2. PSEL Compliance Monitoring Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

$$E = \Sigma(EF \times P)/2000 \text{ lbs}$$

where,

E = pollutant emissions (ton/yr);
EF = pollutant emission factor (see condition 10.0);
P = process production (see condition 11.0)

4.3. Emission Factors The permittee must use the default emission factors provided in condition 10.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

4.4. Mass Balance with controls Annual VOC emissions for each 12 consecutive calendar month period are calculated by the following formula:

10.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference
Fuel Combustion:				
a) Oil, Distillate	PM	2	lb/1,000 gal	DEQ Emission Factor
	PM_{10}	1	lb/1,000 gal	DEQ Emission Factor
	SO_2	71	lb/1,000 gal	DEQ Emission Factor
	NO_x	20	l/1,000 gal	DEQ Emission Factor
	CO	5	l/1,000 gal	DEQ Emission Factor
	VOC	0.2	lb1,000 gal	DEQ Emission Factor
b) Natural gas	PM	2.5	lb/MMCF	DEQ Emission Fcator
	PM_{10}	2.5	lb/MMCF	DEQ Emission Factor
	SO_2	2.6	lb/MMCF	DEQ Emission Fcator
	NO_x	140	lb/MMCF	DEQ Emission Factor
	CO	35	lb/MMCF	DEQ Emission Factor
	VOC	2.8	lb/MMCF	DEQ Emission Factor
Fume Recovery System	VOC	1.37	lb/hr	Emission calculated using ChemCAD

11.0 PROCESS/PRODUCTION RECORDS

Emissions device or activity	Process or production parameter	Frequency
Operating hours	Hours/yr	Once a month
Fuel usage: a) oil	Gallons/hour	Once a month
b) natural gas	MM cubic feet/hour	Once a month
VOC emissions	Gallons/hour	Once a month

Kamerer Amos

From: Kamerer Amos
Sent: Friday, October 04, 2002 5:31 PM
To: Rose Lim (E-mail)
Cc: Self Traci
Subject: ACDP #26-2930 Renewal

Rose,

The draft permit looks fine to us, as written. However, we want to make two new changes on the Review Report .

Page 3, Process and Control Devises, # 9, Existing sources table:

We want to add 2 storage tanks to this list, in addition to tanks T-33 & T-67 that are already listed, the information on these tanks is as follows:

Equipment	Manufacturer	Capacity/Rate	Installed/Modified
Tank 66	N/A	191,000 gals.	1947
Tank 101	N/A	759,000 gals.	1952

Also, these 2 tanks need to be added to the table on page 5; Plant Wide Capacity to Emit, # 18: however, the material contained in these tanks is solid material, thus, they will be insignificant sources, however, we feel that they should still be listed.

Last, included in this Plant Wide Capacity to Emit table is tank T-200, with a foot note stating that the emissions coming from this tank are included the fume recovery system emissions, which is correct. However, there are two other tank's that are included in the fume recovery system emissions, tanks T-65 and T-68, that are not listed in this table. We are thinking that either, tanks T-65 & T-68 should also be listed in the table, or, that T-200 should be removed from this table; so that the information is consistent. In other words, either, list all three of the tanks or don't list any of them at all in this table.

Let me know if you have any questions.

Thanks,

Amos Kamerer
Phone # 503-286-3681
Fax # 503-285-2831
E-mail: Kamereras@koppers.com

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

October 1, 2002

Oregon Department of Environmental Quality
Northwest Region
2020 SW Forth Ave., Suite 400
Portland, Oregon 97201-4987

Attention: Rose Lim
Natural Resource Specialist

Reference: Air Containment Discharge Permit Renewal Application
Permit Number 26-2930

Dear Ms. Lim.

Attached please find Koppers comments to your Review Report for subject renewal application. Our comments or corrections are made in red.

Regarding the provisions of ORS 468A.040 that were included with the review report, I am attaching the Emission Summary spreadsheet that was a part of our 2001 Annual Emission Report submitted to ODEQ on February 20, 2002, this information should cover the requested data in sections 10.0 and 11.0.

If you have any questions, I can be reached at # 503/286-3681 or via e-mail at: kamereras@koppers.com

Sincerely,

Amos S. Kamerer

CC: T. Self, KII

Department of Environmental Quality
Northwest Region
Air Quality Program

Simple
AIR CONTAMINANT DISCHARGE PERMIT
REVIEW REPORT

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663
(503) 286-3681

Source Test	Compl Sched	Report				Excess		NSR	PSD	RACT	NSPS	NESHAP	Size	Public Notice
		A	S	Q	M	R	N							
		X					X						SI	II

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PERMITTING

PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on June 1, 1999 and was originally scheduled to expire on September 1, 2002. The old ACDP is being converted to a Simple ACDP in accordance with the rules adopted in May 2001.

OTHER PERMITS

2. The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.

3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.

ATTAINMENT STATUS

4. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO_x) and volatile organic compounds (VOC), are regulated pollutants.

5. The facility is an insignificant source of CO, NO_x, and VOC. The area is an attainment for all other pollutants.

SOURCE DESCRIPTION

OVERVIEW

6. Koppers Industries, Inc., operates a coal tar pitch processing facility at 7540 NW Saint Helens Road, Portland. The facility receives, stores, and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.

7. Notice of Construction (NC. No. 018175) approved the permit holder's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:
   a. The current and foreseeable drastic decline in Koppers' business due to shut down of the aluminum customers operations.

b. The reduction in emissions from permitted quantities from the operating schedule changes, as a result of the reduction in throughput.
c. Recent modification to the operation of the fume recovery system reduces emission further.

8. No changes have been made to the facility since the last permit renewal.

PROCESS AND CONTROL DEVICES

9. Existing air contaminant sources at the facility consist of the following:

Equipment	Manufacturer	Capacity/Rate	Installed/Modified
Boiler, fired on natural gas or distillate oil	N. American	21 MM BTU/hr input	1965
Hot oil heater, fired on natural gas or oil	N. American	8 MM BTU/hr input	1990
Hot oil heater, fired on natural gas or oil	N. American	10 MM BTU/hr input	1999
Pitch /oil transfer system	N/A	150,000 ton/year	1965 1999 (mod.)
Fume recovery system with scrubber	N/A	150,000 ton/year	1987
Storage tank (T-200) and a fume combustion system (ref. NC #018175)	N/A	2,100,000 gals.	1999
Storage Tank 33 and 67	N/A	45,000 & 102,000 gals	1942 & 1947

COMPLIANCE

10. The facility was inspected on 08/05/2002 and found to be in compliance with permit conditions.

11. During the prior permit period there were no complaints recorded for this facility.

12. No enforcement actions have been taken against this source since the last permit renewal.

EMISSIONS

13. Proposed PSEL information:

Pollutant	*Baseline Emission Rate (tons/yr)	Plant Site Emission Limit (tons/yr)			Increase Over Baseline (tons.yr)	SER
		Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	Increase Over Existing Permit (tons/yr)		
SO_2	0	22	39	17	39	40
NO_x	0	28	39	11	39	40
CO	0	7	99	92	99	100
VOC	0	20	39	19	39	40

*Netting basis is the same as baseline for this source.

a. The proposed PSEL's for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
b. Emissions of PM and PM_{10} are less than one ton per year. For the original permit, PM and PM_{10} are considered negligible. PM and PM_{10} are not included in the Plant Site Emission Limit as shown above.
c. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so baseline emission rates have not been established.
d. Baseline emissions rate for this facility is zero and are now frozen per OAR 340-200-0020(71)(a).
e. The PSEL is a federally enforceable limit on the potential to emit.

14. The normal operating schedule for the equipment is 24 hrs/day x 5 days/wk x 52 wks/yr, less 11 holidays = 5976 hrs/yr.

15. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.

16. Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

SIGNIFICANT EMISSION RATE ANALYSIS

17. The proposed Plant Site Emissions Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

MAJOR SOURCE APPLICABILITY

CRITERIA POLLUTANTS

18. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions.

Plant Wide Capacity to Emit:

POLLUTANT	SO_2	NO_x	CO	VOC
Boiler	11.31	12.52	3.13	0.25
Hot Oil Heater **	4.60	3.97	.88	0.19
Fume Recovery System				18.11
Tank 33				0.016
Tank 67				0.006
Fugitives				0.568
New Hot Oil Heater	5.34	5.96	1.49	0.12
T-200*				*See Note
TOTAL	21.25	22.45	5.50	19.26

* Note: VOC Emissions from T-200 are included in the fume recovery system emissions.

** Via a prior notification to Randy Bailey, ODEQ was advised that this is not a back up unit.

HAZARDOUS AIR POLLUTANTS

19. A major source is a facility that has the potential to emit more than 10 tons/year of any single HAP or 25 tons/year of combined HAPs. This source is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)
Naphthalene	1.76
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1.07
Total	3.12

20. The source PTE has less than 80% of the threshold values for Title V for criteria pollutant, and less than 80% of the threshold values for Title III for single HAPs and combined HAPs, therefore, full compliance evaluation (FCE) is not required.

ADDITIONAL REQUIREMENTS

NSPS APPLICABILITY

21. There are no sources at this facility for which NSPS standards have been promulgated.

NSR/PSD APPLICABILITY

22. This source is not subject to federal regulations for New Source Review (NSR) or further air quality analysis.

23. This source is not subject to federal regulations for New Source Performance Standards (NSPS).

NESHAPS/MACT APPLICABILITY

24. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

RACT APPLICABILITY

25. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the RACT rules do not apply.

TACT APPLICABILITY

26. The source is meeting the states TACT/Highest and Best Rules by conducting the following activities:
    a. A change in the wash fluid used in the fume recovery unit from heavy oil to water.
    b. Reducing the days of operation from 5 to 4 days per week. Delete, the plant is now operating 5 days per week and dependant on business conditions this could change again, at some time in the future.
    c. The fume recovery unit only operates during hours needed thus reduces emission further.
    d. The installation of the thermal oxidizer once the business level reaches 75% of the original projected level based on the through put or until monthly through put reaches 5000 tons per month for three consecutive months.

PUBLIC NOTICE

27. Pursuant to OAR 340-216-0064(5)(a), renewals of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b). Therefore, the proposed permit will be placed on public notice from _____ to _____.

POLLUTANT	PREVIOUS PSEL (tons/yr)	PROPOSED PSEL (tons/yr)	ESTIMATED ACTUAL EMISSIONS (tons/yr)
SO_2	22	39	21
NO_x	28	39	22
CO	7	99	6
VOC	20	39	19

Koppers014662

Air Emissions for 2001 Permit #26-2930
Portland Terminal Emissions Summary
Natural Gas Combustion, Fugitives, Scrubber, Tank Breathing and Working Losses

Unit	Comments	Commodity	NOx (lb/hr)	NOx Tons/Yr	VOC (lb/hr)	VOC Tons/Yr	CO (lb/hr)	CO Tons/Yr	SO2 (lb/hr)	SO2 Tons/Yr	PM-10 (lb/hr)	PM-10 Tons/Yr
Atlas Boiler		Gas	0.65	0.43	0.01	0.01	0.16	0.11	0.01	0.01	0.03	0.02
Hot Oil Heater		Gas	0.09	0.05	0.00	0.00	0.02	0.01	0.00	0.00	0.01	0.00
Hot Oil Heater (New)		Gas	0.53	0.52	0.02	0.02	0.40	0.39	0.01	0.01	0.05	0.05
Fume Recovery System [1,2]		NA			1.37	0.91						
Tank 33		Heavy Oil			0.01	0.049						
Tank 67		Heavy Oil			0.02	0.101						
Fugitives		NA			0.04	0.041						
Plant Total			**1.26**	**1.00**	**1.48**	**1.13**	**0.58**	**0.51**	**0.02**	**0.02**	**0.09**	**0.07**

NOTES

[1] The fume recovery system receives emissions from the following units: T-68, T-65, T-200, railcar loading and tank car loading.

[2] Hourly and annual VOC emissions from the fume recovery system were calculated using ChemCAD. Annual VOCs were adjusted by 2001 operating hours.

SIMPLE

AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, #400
Portland, Oregon 97201
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO:

Koppers Industries, Inc.
7540 NW St. Helens Road
Portland, OR 97210-3663

PLANT SITE LOCATION:

7540 NW St. Helens Road
Portland, OR 97210-3663

INFORMATION RELIED UPON:

Application No.: 0020276
Date Received: 06/27/2002

LAND USE COMPATIBILITY FINDING:

Approving Authority: City of Portland
Approval Date: 09/15/1997

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Audrey O'Brien, Northwest Region Air Quality Manager — Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, #75	All Other Sources not listed in Part B (Coal tar pitch processing facility)	2865

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1.0 GENERAL EMISSION STANDARDS AND LIMITS

1.1 Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

a. Emissions from any air contaminant source installed on or before June 1, 1970 must not exceed an opacity equal to or greater than 40% for a period aggregating more than 3 minutes in any one hour.

b. Emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.

c. Emissions from any air contaminant source other than fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 30 seconds in any one hour.

1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

a. Particulate matter emissions from any fuel burning equipment installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO_2 or 50% excess air.

b. Particulate matter emissions from any burning equipment installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO_2 or 50% excess air.

c. Particulate matter emissions from fuel burning equipment must not exceed:

i. 0.2 grains per dry standard cubic foot corrected to 12% CO_2 when using wood residue in equipment that existed before April 7, 1978;

ii. 0.1 grains per dry standard cubic foot corrected to 12% CO_2 when using wood residue in equipment that did not exist before April 7, 1978; or

iii. The emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels, except natural gas and LPG.

d. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel

burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.

e. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.

f. Non-fugitive particulate matter emissions from any process must not exceed the amount shown in Table 1 of OAR 340-226-0310 for the process weight allocated to such a process.

1.3. Fugitive Emissions

The permittee must take reasonable precautions to prevent fugitive dust emissions by:.

a. Treating vehicular traffic areas of the plant site under the control of the permittee.

b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.

c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

1.4. Particulate Matter Fallout

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

1.5. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

1.6. Fuels and Fuel Sulfur Content

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

a. Fuel oils must not contain more than:

i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;

ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

iii. 1.75% sulfur by weight for residual oil;

b. The permittee is allowed to use on-specification used oil as fuel which contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

2.0 OPERATION AND MAINTENANCE REQUIREMENTS

2.1. Work practices

a. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emission of air contaminant are kept at the lowest practicable levels.

b. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of at least two years.

3.0 PLANT SITE EMISSION LIMITS

3.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO_2	39	tons per year
NO_X	39	tons per year
CO	99	tons per year
VOC	39	tons per year

3.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

4.0 COMPLIANCE DEMONSTRATION

4.1. Monitoring Requirements

The permittee must monitor the operation and maintenance of the plant and associated air contaminant control devices as follows:

a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.

b. Excess emission (recorded on occurrence)

c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

4.2. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

$$E = \Sigma(EF \times P)/2000 \text{ lbs}$$

where,

E = pollutant emissions (ton/yr);
EF = pollutant emission factor (see condition 10.0);
P = process production (see condition 11.0)

4.3. Emission Factors

The permittee must use the default emission factors provided in condition 10.0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

4.4. Mass Balance with controls

Annual VOC emissions for each 12 consecutive calendar month period are calculated by the following formula:

$$E_{VOC\text{-}A} = [\Sigma(C_X * D_X * K_X)(1 - CE * DE)] - W] \times 1\text{ton}/2000 \text{ pounds}$$

Where,

$E_{VOC\text{-}A}$ = Annual VOC emissions in tons
C = Material usage for the period in gallons
D = Material density in pounds per gallon
K = VOC concentration expressed as a decimal
X = Subscript X represents a specific material
CE = VOC capture efficiency expressed as a

		decimal
DE	=	Destruction efficiency
W	=	Weight of VOC shipped offsite

5.0 RECORDKEEPING REQUIREMENTS

5.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.

b. Maintenance service record performed on the boiler.

5.2. Excess Emissions

The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period.

5.3. Complaint Log

The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

5.4. Retention of Records

Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

6.0 REPORTING REQUIREMENTS

6.1. Excess Emissions

The permittee must notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health.

a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 7.3.

b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

c. The permittee must also submit follow-up reports when required by the Department.

6.2. Annual Report

For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:

a. Operating parameters:

i. Annual throughput of coal tar pitch

ii. Annual throughput of heavy oil

iii. Total boiler operating time (hours/year)

iv. Total hot oil heater operating time (hours/year)

v. Highest sulfur content oil burned (obtained from supplier)

vi. Types and quantities of fuels burned (gallons or MMCE)

vii. Average plant operating schedule (hours/day, days/week, weeks/year)

b. Computations of total VOC and HAPs emissions for any 12 consecutive months period.

c. Records of all planned and unplanned excess emissions events.

d. Summary of complaints relating to air quality received by permittee during the year.

e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.

f. List major maintenance performed on pollution control equipment.

6.3. Initial Startup Notice

The permittee must notify the Department in writing of the date a new facility is started up. The notification must be submitted no later than seven (7) days after startup.

6.4. Relocation Notice

The permittee must not install or operate the facility or any portion of the facility at any new site without first providing written notice to the Permit Coordinator in the appropriate regional office. The written notice must include the date of the

proposed move, approximate dates of operation, a detailed map showing access to the new site, and a description of the air pollution controls and procedures to be installed, operated, and practiced at the new site. Additional permits may be required if the permittee operates individual components of the facility at more than one site at a time.

6.5. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or

b. Sale or exchange of the activity or facility.

6.6. Construction or Modification Notices

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;

b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or

c. Constructing or modifying any air pollution control equipment.

6.7. Where to Send Reports and Notices

The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 7.3.

7.0 ADMINISTRATIVE REQUIREMENTS

7.1. Permit Renewal Application

The completed application package for renewal of this permit is due on July 1, 2007. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 7.3

7.2. Permit Modifications

Application for a modification of this permit must be submitted not less than **60** days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

7.3. Permit Coordinator Address

All reports, notices, and applications should be directed to the Permit Coordinator for the area where the source is located. The Permit Coordinator addresses are as follows:

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5582

7.4. Department Contacts

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at www.deq.state.or.us. All inquiries about this permit should be directed to the regional office for the area where the source is located. The Department's regional offices are as follows:

Department of Environmental Quality
Portland Office
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5554

8.0 FEES

8.1. Annual Compliance Fee

The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Simple ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.

8.2. Change of Ownership or Company Name Fee

The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.

8.3. Special Activity Fees

The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.

8.4. Where to Submit Fees

Fees must be submitted to:

Department of Environmental Quality
Business Office
811 SW Sixth Avenue
Portland, Oregon 97204-1390

9.0 GENERAL CONDITIONS AND DISCLAIMERS

9.1.	**Permitted Activities**	This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
9.2.	**Other Regulations**	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
9.3.	**Conflicting Conditions**	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
9.4.	**Masking of Emissions**	The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
9.5.	**Department Access**	The permittee must allow the Department's representatives access to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
9.6.	**Permit Availability**	The permittee must have a copy of the permit available at the facility at all times.
9.7.	**Open Burning**	The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
9.8.	**Asbestos**	The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
9.9.	**Property Rights**	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
9.10.	**Termination, Revocation, or Modification**	The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

10.0 EMISSION FACTORS

Please complete

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference

11.0 PROCESS/PRODUCTION RECORDS

Emissions device or activity	Process or production parameter	Frequency

12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit
ASTM	American Society for Testing and Materials
AQMA	Air Quality Maintenance Area
calendar year	The 12-month period beginning January 1st and ending December 31st
CFR	Code of Federal Regulations
CO	carbon monoxide
DEQ	Oregon Department of Environmental Quality
dscf	dry standard cubic foot
EPA	US Environmental Protection Agency
FCAA	Federal Clean Air Act
gal	gallon(s)
gr/dscf	grains per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040
I&M	inspection and maintenance
lb	pound(s)
MMBtu	million British thermal units
NA	not applicable
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_X	nitrogen oxides
NSPS	New Source Performance Standard
NSR	New Source Review
O_2	oxygen
OAR	Oregon Administrative Rules
ORS	Oregon Revised Statutes
O&M	operation and maintenance
Pb	lead
PCD	pollution control device
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in size
ppm	part per million
PSD	Prevention of Significant Deterioration
PSEL	Plant Site Emission Limit
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
scf	standard cubic foot
SER	Significant Emission Rate
SIC	Standard Industrial Code
SIP	State Implementation Plan
SO_2	sulfur dioxide
Special Control Area	as defined in OAR 340-204-0070
VE	visible emissions
VOC	volatile organic compound
year	A period consisting of any 12-consecutive calendar months

Oregon
Theodore Kulongoski, Governor

Department of Environmental Quality
Northwest Region Portland Office
Air Quality Program
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5554
FAX (503) 229-5265
TTY (503) 229-5471

April 24, 2003

Portland Plant
CONTROLLED DOCUMENT
Date: 4/27/03
Signature:

Koppers Inc.
Amos Kamerer
7540 NW Saint Helens Road
Portland, Oregon 97210

RE: MODIFICATION APPLICATION FOR AIR CONTAMINANT DISCHARGE PERMIT:
PERMIT # 26-2930, APPLICATION # 020599

The application for a Name Change of your Air Contaminant Discharge Permit was received by the Department on April 16, 2003 and has been assigned application number 020599. The Department will contact you if additional information is needed.

Please include the permit number above in the subject of all correspondence with the Department.

In addition to meeting the air quality standards, your facility is also obligated to operate in compliance with the daytime and nighttime noise standards set forth in Oregon Administrative Rule (OAR) 340-35-035(1). All rules including noise regulations can now be found on line at http://www.deq.state.or.us/aq/rules/index.htm.

If you have any questions, please contact Rose Lim at (503) 229-6191.

Sincerely,

Catherine Blaine

Catherine Blaine
Air Quality Permit Coordinator
Northwest Region

Cc: RSL/NWR

March 24, 2003

Koppers Inc.
Carbon Materials and Chemicals
7540 NW Saint Helens Road
Portland, OR 97210-3663
Tel 503 286 3681
Fax 503 285 2831
www.koppers.com

Ed Druback
Air Quality Manager
Oregon Dept. of Environmental Quality
2020 SW Fourth Ave., Suite 400
Portland, OR 97201

Re: Corporate Name Change

Dear Mr. Druback,

Please be advised that, effective February 24, 2003, Koppers Industries, Inc. changed its name to Koppers Inc. Effective immediately, Koppers Inc. will be using its new name on all submittals to your agency. There is no change in the structure of the company or change or transfer of ownership of the stock or assets associated with the name change.

Koppers Inc. has filed the necessary documents with the State of Pennsylvania to effect this name change and expects to receive documentation confirming the name change from the State within two to three weeks. Should you require a copy of these documents, please contact me.

Additionally, please forward to my attention any forms necessary to make changes to any permits or routine report forms and we will complete such forms and submit them as quickly as reasonably possible. Thank you for your attention to this matter.

Very truly yours,

Amos S. Kamerer
Plant Manager

Cc:
Corporate Services Group, Koppers Inc.
File

KOPPERS

March 24, 2003

Elliot Zais
Oregon DEQ
2020 SW 4th Ave. #400
Portland, OR 97201

Koppers Inc.
Carbon Materials and Chemicals
7540 NW Saint Helens Road
Portland, OR 97210-3663
Tel 503 286 3681
Fax 503 285 2831
www.koppers.com

Re: Corporate Name Change

Dear Mr. Zais,

Please be advised that, effective February 24, 2003, Koppers Industries, Inc. changed its name to Koppers Inc. Effective immediately, Koppers Inc. will be using its new name on all submittals to your agency. There is no change in the structure of the company or change or transfer of ownership of the stock or assets associated with the name change.

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Very truly yours,

Amos S. Kamerer
Plant Manager

Cc:
Corporate Services Group, Koppers Inc.
File

KOPPERS

March 24, 2003

Koppers Inc.
Carbon Materials and Chemicals
7540 NW Saint Helens Road
Portland, OR 97210-3663
Tel 503 286 3681
Fax 503 285 2831
www.koppers.com

Rose Linn
Natural Resource Specialist
Oregon Dept. of Environmental Quality
2020 SW Fourth Ave., Suite 400
Portland, OR 97201

Re: Corporate Name Change

Dear Ms. Linn,

Please be advised that, effective February 24, 2003, Koppers Industries, Inc. changed its name to Koppers Inc. Effective immediately, Koppers Inc. will be using its new name on all submittals to your agency. There is no change in the structure of the company or change or transfer of ownership of the stock or assets associated with the name change.

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Additionally, please forward to my attention any forms necessary to make changes to any permits or routine report forms and we will complete such forms and submit them as quickly as reasonably possible. Thank you for your attention to this matter.

Very truly yours,

Amos S. Kamerer
Plant Manager

Cc:
Corporate Services Group, Koppers Inc.
File

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Northwest Region Portland Office
Air Quality Program
2020 SW 4th Avenue, Suite 400
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(503) 229-5554
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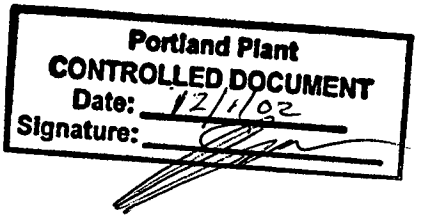
NOV 27 2002

Amos Kamerer
Koppers Industries, Inc.
7540 NW St. Helens Road
Portland, Oregon 97210



Re: Renewal of Air Contaminant Discharge
Permit #26-2930
Koppers Industries, Inc.

The Department of Environmental Quality has completed processing your renewal application for an Air Contaminant Discharge Permit. Based on the material contained in the renewal application and any comments received during the recent public notice period, we have issued the enclosed permit.

The effective date of the permit is the date it was signed by the regional Air Quality Manager. The signature and date appear on the first page of the document. The permit is issued pursuant to Oregon Revised Statutes 468A and Oregon Administrative Rules (OAR) 340-14-005 through 340-14-050, and 216-0010 through 216-0100.

You may appeal conditions or limitations contained in the attached permit by applying to the Environmental Quality Commission, or its authorized representative, within twenty days from the date of this letter. Appeals are pursuant to ORS Chapter 183 and OAR Chapter 340, Division 14-025(6). Appeal procedures are contained in OAR Division 11-005 through 11-140.

A copy of the current permit must be available at the facility at all times. Failure to comply with permit conditions may result in civil penalties. **You are expected to read the permit carefully and comply with all conditions** to protect the environment of Oregon.

If you have any questions, please contact Rose Lim at (503) 229-6191.

Sincerely,

Ed Druback
Air Quality Manager
Northwest Region

RL/EJD: cab
Enclosure

cc: T. Self, K-1800
B. Bauman, Strokney

Cc: Michelle Butler/AQ
Rindy Ramos - Region X
RL/NWR
Koppers Industries
436 Seventh Avenue, #1800
Pittsburgh, PA 15219

DEQ-1

SIMPLE

AIR CONTAMINANT DISCHARGE PERMIT

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, #400
Portland, Oregon 97201
(503) 229-5554

This permit is being issued in accordance with the provisions of ORS 468A.040 and based on the land use compatibility findings included in the permit record.

ISSUED TO:

Koppers Industries, Inc.
7540 NW Saint Helens Road
Portland, OR 97210-3663

PLANT SITE LOCATION:

7540 NW Saint Helens Road
Portland, OR 97210-3663

INFORMATION RELIED UPON:

Application No.: 0020276
Date Received: 06/27/2002

LAND USE COMPATIBILITY FINDING:

Approving Authority: City of Portland
Approval Date: 09/15/1997

ISSUED BY THE DEPARTMENT OF ENVIRONMENTAL QUALITY

Ed Druback, Air Quality Manager

NOV 27 2002
Dated

Source(s) Permitted to Discharge Air Contaminants (OAR 340-216-0020):

Table 1 Code	Source Description	SIC
Part B, #75	All Other Sources not listed in Part B (Coal tar pitch processing facility)	2865

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1.0 GENERAL EMISSION STANDARDS AND LIMITS

1.1 Visible Emissions

The permittee must comply with the following visible emission limits, as applicable:

a. Emissions from any air contaminant source installed on or before June 1, 1970 must not exceed an opacity equal to or greater than 40% for a period aggregating more than 3 minutes in any one hour.

b. Emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 must not exceed an opacity equal to or greater than 20% for a period aggregating more than 3 minutes in any one hour.

c. Emissions from any air contaminant source other than fuel burning equipment must not exceed an opacity equal to or greater than 20% for a period aggregating more than 30 seconds in any one hour.

1.2. Particulate Matter Emissions

The permittee must comply with the following particulate matter emission limits, as applicable:

a. Particulate matter emissions from any fuel burning equipment installed on or before June 1, 1970 must not exceed 0.2 grains per standard cubic foot, corrected to 12% CO_2 or 50% excess air.

b. Particulate matter emissions from any burning equipment installed, constructed, or modified after June 1, 1970 must not exceed 0.1 grains per standard cubic foot, corrected to 12% CO_2 or 50% excess air.

c. Particulate matter emissions from fuel burning equipment must not exceed:

i. 0.2 grains per dry standard cubic foot corrected to 12% CO_2 when using wood residue in equipment that existed before April 7, 1978;

ii. 0.1 grains per dry standard cubic foot corrected to 12% CO_2 when using wood residue in equipment that did not exist before April 7, 1978; or

iii. The emission rate shown in Figure 1 of OAR 340-208-0610 as a function of the maximum heat input when using all other fuels, except natural gas and LPG.

d. Particulate matter emissions from any air contaminant source installed on or before June 1, 1970 other than fuel

burning equipment and fugitive emission sources must not exceed 0.2 grains per standard cubic foot.

e. Particulate matter emissions from any air contaminant source installed, constructed, or modified after June 1, 1970 other than fuel burning equipment and fugitive emission sources must not exceed 0.1 grains per standard cubic foot.

f. Non-fugitive particulate matter emissions from any process must not exceed the amount shown in Table 1 of OAR 340-226-0310 for the process weight allocated to such a process.

1.3. Fugitive Emissions

The permittee must take reasonable precautions to prevent fugitive dust emissions by:.

a. Treating vehicular traffic areas of the plant site under the control of the permittee.

b. Operating all air contaminant-generating processes so that fugitive type dust associated with the operation will be adequately controlled at all times.

c. Storing collected materials from air pollution control equipment in a covered container or other method equally effective in preventing the material from becoming airborne during storage and transfer.

1.4. Particulate Matter Fallout

The permittee must not cause or permit the emission of any particulate matter larger than 250 microns in size at sufficient duration or quantity, as to create an observable deposition upon the real property of another person. The Department will verify that the deposition exists and will notify the permittee that the deposition must be controlled.

1.5. Nuisance and Odors

The permittee must not cause or allow air contaminants from any source to cause a nuisance. Nuisance conditions will be verified by Department personnel.

1.6. Fuels and Fuel Sulfur Content

The permittee must not use any fuel other than natural gas, propane, butane, ASTM grade fuel oils, or on-specification used oil.

a. Fuel oils must not contain more than:

i. 0.3% sulfur by weight for ASTM Grade 1 distillate oil;

ii. 0.5% sulfur by weight for ASTM Grade 2 distillate oil;

iii. 1.75% sulfur by weight for residual oil;

b. The permittee is allowed to use on-specification used oil as fuel which contains no more than 0.5% sulfur by weight. The permittee must obtain analyses from the marketer or, if generated on site, have the used oil analyzed, so that it can be demonstrated that each shipment of oil does not exceed the used oil specifications contained in 40 CFR Part 279.11, Table 1.

2.0 OPERATION AND MAINTENANCE REQUIREMENTS

2.1. Work practices

a. The permittee shall at all times maintain and operate all air contaminant generating processes and all air contaminant control equipment at full efficiency and effectiveness, such that the emission of air contaminant are kept at the lowest practicable levels.

b. A maintenance service must be performed on the boiler at least once every two years. As a minimum, the service must include an inspection of the burners and refractory chamber, cleaning adjustment, and repair as necessary. Records of the service shall be maintained on site for a period of two (2) years and for Department's inspection.

3.0 PLANT SITE EMISSION LIMITS

3.1. Plant Site Emission Limits (PSEL)

Plant site emissions must not exceed the following:

Pollutant	Limit	Units
SO_2	39	tons per year
NO_X	39	tons per year
CO	99	tons per year
VOC	39	tons per year

3.2. Annual Period

The annual plant site emissions limits apply to any 12-consecutive calendar month period.

4.0 COMPLIANCE DEMONSTRATION

4.1. Monitoring Requirements

The permittee must monitor the operation and maintenance of the plant and associated air contaminant control devices as follows:

a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.

b. Excess emission (recorded on occurrence)

c. A description of any maintenance to the air contaminant control system (recorded on occurrence)

4.2. PSEL Compliance Monitoring

Compliance with the PSEL is determined for each 12-consecutive calendar month period based on the following calculation for each pollutant:

$$E = \Sigma(EF \times P)/2000 \text{ lbs}$$

where,

E = pollutant emissions (ton/yr);
EF = pollutant emission factor (see condition 0);
P = process production (see condition 11.0)

4.3. Emission Factors

The permittee must use the default emission factors provided in condition 0 for calculating pollutant emissions, unless alternative emission factors are approved by the Department. The permittee may request or the Department may require using alternative emission factors provided they are based on actual test data or other documentation (e.g., AP-42 compilation of emission factors) that has been reviewed and approved by the Department.

4.4. Mass Balance with controls

Annual VOC emissions for each 12 consecutive calendar month period are calculated by the following formula:

Total VOC = [1.37(lb/operating hours) + 2.8 (lb/MMCF of natural gas) + 0.2 (lb/1000 gals distillate)] ÷ 1ton/2000 lbs

5.0 RECORDKEEPING REQUIREMENTS

5.1. Operation and Maintenance

The permittee must maintain the following records related to the operation and maintenance of the plant and associated air contaminant control devices:

a. All operating and production parameters to be reported to the Department annually as required in Condition 6.0.

b. Maintenance service record performed on the boiler.

5.2. Excess Emissions The permittee must maintain records of excess emissions as defined in OAR 340-214-0300 through 340-214-0340 (recorded on occurrence). Typically, excess emissions are caused by process upsets, startups, shutdowns, or scheduled maintenance. In many cases, excess emissions are evident when visible emissions are greater than 20% opacity for 3 minutes or more in any 60-minute period.

5.3. Complaint Log The permittee must maintain a log of all written complaints and complaints received via telephone that specifically refer to air pollution concerns associated to the permitted facility. The log must include a record of the permittee's actions to investigate the validity of each complaint and a record of actions taken for complaint resolution.

5.4. Retention of Records Unless otherwise specified, all records must be maintained on site for a period of two (2) years and made available to the Department upon request.

6.0 REPORTING REQUIREMENTS

6.1. Excess Emissions The permittee must notify the Department by telephone or in person of any excess emissions which are of a nature that could endanger public health.

a. Such notice must be provided as soon as possible, but never more than one hour after becoming aware of the problem. Notice must be made to the regional office identified in Condition 7.3.

b. If the excess emissions occur during non-business hours, the permittee must notify the Department by calling the Oregon Emergency Response System (OERS). The current number is 1-800-452-0311.

c. The permittee must also submit follow-up reports when required by the Department.

6.2. Annual Report For each year this permit is in effect, the permittee must submit to the Department by **February 15** two (2) copies of the following information for the previous calendar year:

a. Operating parameters:

i. Annual throughput of coal tar pitch

ii. Annual throughput of heavy oil

iii. Total boiler operating time (hours/year)

iv. Total hot oil heater operating time (hours/year)

v. Highest sulfur content oil burned (obtained from supplier)

vi. Types and quantities of fuels burned (gallons or MMCF)

vii. Average plant operating schedule (hours/day, days/week, weeks/year)

b. Computations of total VOC and HAPs emissions for any 12 consecutive months period.

c. Records of all planned and unplanned excess emissions events.

d. Summary of complaints relating to air quality received by permittee during the year.

e. List permanent changes made in plant process, production levels, and pollution control equipment which affected air contaminant emissions.

f. List major maintenance performed on pollution control equipment.

6.3. Notice of Change of Ownership or Company Name

The permittee must notify the Department in writing using a Departmental "Permit Application Form" within 60 days after the following:

a. Legal change of the name of the company as registered with the Corporations Division of the State of Oregon; or

b. Sale or exchange of the activity or facility.

6.4. Construction or Modification Notices

The permittee must notify the Department in writing using a Departmental "Notice of Construction Form," or "Permit Application Form," and obtain approval in accordance with OAR 340-210-0205 through 340-210-0250 before:

a. Constructing, installing, or establishing a new stationary source that will cause an increase in any regulated pollutant emissions;

b. Making any physical change or change in operation of an existing stationary source that will cause an increase, on an hourly basis at full production, in any regulated pollutant emissions; or

c. Constructing or modifying any air pollution control equipment.

6.5. Where to Send Reports and Notices

The reports, with the permit number prominently displayed, must be sent to the Permit Coordinator for the region where the source is located as identified in Condition 7.3.

7.0 ADMINISTRATIVE REQUIREMENTS

7.1. Permit Renewal Application

The completed application package for renewal of this permit is due on July 1, 2007. Two (2) copies of the application must be submitted to the DEQ Permit Coordinator listed in condition 7.3

7.2. Permit Modifications

Application for a modification of this permit must be submitted not less than 60 days prior to the source modification. A special activity fee must be submitted with an application for the permit modification. The fees and two (2) copies of the application must be submitted to the Business Office of the Department.

7.3. Permit Coordinator Address

All reports, notices, and applications should be directed to the Permit Coordinator for the area where the source is located. The Permit Coordinator addresses are as follows:

Department of Environmental Quality
Northwest Region
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5582

7.4. Department Contacts

Information about air quality permits and the Department's regulations may be obtained from the DEQ web page at www.deq.state.or.us. All inquiries about this permit should be directed to the regional office for the area where the source is located. The Department's regional offices are as follows:

Department of Environmental Quality
Portland Office
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
Telephone: (503) 229-5554

8.0 FEES

8.1.	**Annual Compliance Fee**	The Annual Fee specified in OAR 340-216-0020, Table 2, Part 2 for a Simple ACDP is due on **December 1** of each year this permit is in effect. An invoice indicating the amount, as determined by Department regulations, will be mailed prior to the above date.
8.2.	**Change of Ownership or Company Name Fee**	The non-technical permit modification fee specified in OAR 340-216-0020, Table 2, Part 3(a) is due with an application for changing the ownership or the name of the company.
8.3.	**Special Activity Fees**	The special activity fees specified in OAR 340-216-0020, Table 2, Part 3 (b through i) are due with an application to modify the permit.
8.4.	**Where to Submit Fees**	Fees must be submitted to: Department of Environmental Quality Business Office 811 SW Sixth Avenue Portland, Oregon 97204-1390

9.0 GENERAL CONDITIONS AND DISCLAIMERS

9.1.	**Permitted Activities**	This permit allows the permittee to discharge air contaminants from processes and activities related to the air contaminant source(s) listed on the first page of this permit until this permit expires, is modified, or is revoked.
9.2.	**Other Regulations**	In addition to the specific requirements listed in this permit, the permittee must comply with all other legal requirements enforceable by the Department.
9.3.	**Conflicting Conditions**	In any instance in which there is an apparent conflict relative to conditions in this permit, the most stringent conditions apply.
9.4.	**Masking of Emissions**	The permittee must not cause or permit the installation of any device or use any means designed to mask the emissions of an air contaminant that causes or is likely to cause detriment to health, safety, or welfare of any person or otherwise violate any other regulation or requirement.
9.5.	**Department**	The permittee must allow the Department's representatives access

	Access	to the plant site and pertinent records at all reasonable times for the purposes of performing inspections, surveys, collecting samples, obtaining data, reviewing and copying air contaminant emissions discharge records and conducting all necessary functions related to this permit in accordance with ORS 468-095.
9.6.	**Permit Availability**	The permittee must have a copy of the permit available at the facility at all times.
9.7.	**Open Burning**	The permittee may not conduct any open burning except as allowed by OAR 340 Division 264.
9.8.	**Asbestos**	The permittee must comply with the asbestos abatement requirements in OAR 340, Division 248 for all activities involving asbestos-containing materials, including, but not limit to, demolition, renovation, repair, construction, and maintenance.
9.9.	**Property Rights**	The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
9.10.	**Termination, Revocation, or Modification**	The Department may modify or revoke this permit pursuant to OAR 340-216-0082 and 340-216-0084.

10.0 EMISSION FACTORS

Emissions device or activity	Pollutant	Emission Factor (EF)	EF units	EF reference
Fuel Combustion:				
a) Oil, Distillate	SO_2	71	lb/1,000 gal	DEQ Emission Factor
	NO_x	20	lb/1,000 gal	DEQ Emission Factor

	CO	5	lb/1,000 gal	DEQ Emission Factor
	VOC	0.2	Lb/1,000 gal	DEQ Emission Factor
b) Natural gas	SO_2	2.6	lb/MMCF	DEQ Emission Factor
	NO_x	140	lb/MMCF	DEQ Emission Factor
	CO	35	lb/MMCF	DEQ Emission Factor
	VOC	2.8	lb/MMCF	DEQ Emission Factor
Fume Recovery System	VOC	1.37	lb/hr	Emission calculated using ChemCAD

11.0 PROCESS/PRODUCTION RECORDS

Emissions device or activity	Process or production parameter	Frequency
Operating hours	Hours/yr	Once a month
Fuel usage: a) oil	Gallons/hour	Once a month
b) natural gas	MM cubic feet/hour	Once a month
VOC emissions	Gallons/hour	Once a month

12.0 ABBREVIATIONS, ACRONYMS, AND DEFINITIONS

ACDP	Air Contaminant Discharge Permit	CFR	Code of Federal Regulations
ASTM	American Society for Testing and Materials	CO	carbon monoxide
AQMA	Air Quality Maintenance Area	DEQ	Oregon Department of Environmental Quality
calendar year	The 12-month period beginning January 1st and ending December 31st	dscf	dry standard cubic foot
		EPA	US Environmental Protection Agency
		FCAA	Federal Clean Air Act

gal	gallon(s)
gr/dscf	grains per dry standard cubic foot
HAP	Hazardous Air Pollutant as defined by OAR 340-244-0040
I&M	inspection and maintenance
lb	pound(s)
MMBtu	million British thermal units
NA	not applicable
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NO_X	nitrogen oxides
NSPS	New Source Performance Standard
NSR	New Source Review
O_2	oxygen
OAR	Oregon Administrative Rules
ORS	Oregon Revised Statutes
O&M	operation and maintenance
Pb	lead
PCD	pollution control device
PM	particulate matter
PM_{10}	particulate matter less than 10 microns in size
ppm	part per million
PSD	Prevention of Significant Deterioration
PSEL	Plant Site Emission Limit
PTE	Potential to Emit
RACT	Reasonably Available Control Technology
scf	standard cubic foot
SER	Significant Emission Rate
SIC	Standard Industrial Code
SIP	State Implementation Plan
SO_2	sulfur dioxide
Special Control Area	as defined in OAR 340-204-0070
VE	visible emissions
VOC	volatile organic compound
year	A period consisting of any 12-consecutive calendar months

Department of Environmental Quality
Northwest Region
Air Quality Program

Simple
AIR CONTAMINANT DISCHARGE PERMIT REVIEW REPORT

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663
(503) 286-368`

Source Test	Compl Sched	Report				Excess		NSR	PSD	RACT	NSPS	NESHAP	Size	Public Notice
		A	S	Q	M	R	N							
		X					X						SI	II

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PERMITTING

PERMITTING ACTION

1. The permit is a renewal for an existing Air Contaminant Discharge Permit (ACDP) which was issued on June 1, 1999 and was originally scheduled to expire on September 1, 2002. The old ACDP is being converted to a Simple ACDP in accordance with the rules adopted in May 2001.

OTHER PERMITS

2. The Department has issued a water quality permit to this facility, NPDES 100419. The plant site includes 25 tanks for the collection and storage of storm water.

3. A Land Use Compatibility Statement signed by the City of Portland on September 15, 1997 granted unconditional approval.

ATTAINMENT STATUS

4. The facility is located in a maintenance area for carbon monoxide and ozone. Two contributors to ozone, nitrogen oxides (NO_x) and volatile organic compounds (VOC), are regulated pollutants.

5. The facility is an insignificant source of CO, NO_x, and VOC. The area is an attainment for all other pollutants.

SOURCE DESCRIPTION

OVERVIEW

6. Koppers Industries, Inc., operates a coal tar pitch processing facility at 7540 NW Saint Helens Road, Portland. The facility receives, stores, and transfers coal tar pitch primarily used in the primary aluminum production industry. The major emissions sources at this facility consist of combustion sources used to heat the coal tar pitch, and fumes from the storage transfer and processing of the pitch. The fumes are collected and routed to a fume control system.

7. Notice of Construction (NC. No. 018175) approved on Oct. 10, 2000, allows the permittee's request to upgrade the fume control system that includes the replacement of the existing fume control system with a new thermal oxidizer. The Department also approved the facility's request to delay installation of the thermal oxidizer because of the following reasons:
   a. The current and foreseeable drastic decline in Koppers' business due to shut down

of the aluminum customers operations.

b. The reduction in emissions from permitted quantities from the operating schedule changes, as a result of the reduction in throughput.

c. A recent modification to the operation of the fume recovery system reduces emissions further.

8. No changes have been made to the facility since the last permit renewal.

9. Current rules do not require short term plant site emission. This requirement has been deleted.

PROCESS AND CONTROL DEVICES

10. Existing air contaminant sources at the facility consist of the following:

Equipment	Manufacturer	Capacity/Rate	Installed/Modified
Boiler, fired on natural gas or distillate oil	N. American	21 MM BTU/hr input	1965
Hot oil heater, fired on natural gas or oil	N. American	8 MM BTU/hr input	1990
Hotoil heater, fired on natural gas or oil	N. American	10 MM BTU/hr input	1999
Pitch /oil transfer system	N/A	150,000 ton/year	1965 modified in 1999
Fumer recovery system with scrubber	N/A	150,000 ton/year	1987
Storage tank (T-200) and a fume combustion system (ref. NC #018175)	N/A	2,100,000 gals	1999
Storage Tank 33 and 67	N/A	45,000 & 102,000 gals	1942 & 1947
Storage Tank 66 and 101	N/A	191,000 & 759,000 gals	1947 & 1952
Storage Tank 65 and 68	N/A	761,000 & 248,000 gals	1947 & 1927

COMPLIANCE

11. The facility was inspected on 08/05/2002 and found to be in compliance with permit conditions.

12. During the prior permit period there were no complaints recorded for this facility.

13. No enforcement actions have been taken against this source since the last permit renewal.

EMISSIONS

14. Proposed PSEL information:

Pollutant	*Baseline Emission Rate (tons/yr)	Plant Site Emission Limit (tons/yr)			Increase Over Baseline (tons.yr)	SER
		Previous PSEL (tons/yr)	Proposed PSEL (tons/yr)	Increase Over Existing Permit (tons/yr)		
SO_2	0	22	39	17	39	40
NO_x	0	28	39	11	39	40
CO	0	7	99	92	99	100
VOC	0	20	39	19	39	40

*Netting basis is the same as baseline for this source.

a. The proposed PSEL for all pollutants are equal to the Generic PSEL in accordance with OAR 340-216-0064(4)(b) and the netting basis is zero in accordance with OAR 340-222-0040(2).
b. Emissions of PM and PM_{10} are less than one ton per year. PM and PM_{10} are considered negligible. PM and PM_{10} are not included in the Plant Site Emission Limit as shown above.
c. The facility was in operation during the baseline years. Baseline year information has not been provided, however, so baseline emission rates have not been established.
d. Baseline emissions rate for this facility is zero and are now frozen per OAR 340-200-0020(71)(a). The netting basis is also set at zero for this source.
e. The PSEL is a federally enforceable limit on the potential to emit.

15. The normal operating schedule for the equipment is 24 hrs/day x 4 days/wk x 52 wks/yr less 11 holidays = 5976 hrs/yr.

16. Normal annual fuel usage is 100,000 gallons of diesel oil and 184 million cubic feet of natural gas. Maximum hourly fuel burned is 150 gallons of diesel oil and/or 30,000 cubic feet of natural gas.

17. Throughput of pitch pencil is expected to be 100,000 tons per year and a maximum of 562 tons per hour.

SIGNIFICANT EMISSION RATE ANALYSIS

18. The proposed Plant Site Emissions Limit is less than the Netting Basis plus the significant emission rate, thus no further air quality analysis is required.

MAJOR SOURCE APPLICABILITY

CRITERIA POLLUTANTS

19. A major source is a facility that has the potential to emit more than 100 tons per year of any criteria pollutant. This facility is not a major source of criteria pollutant emissions.

Plant Wide Potential to Emit:

POLLUTANT	SO_2 (tons/yr)	NO_x (tons/yr)	CO (tons/yr)	VOC (tons/yr)
Boiler	11.31	12.52	3.13	0.25
Hot Oil Heater*	4.60	3.97	.88	0.19
Fume Recovery System				18.11
Tank 33				0.016
Tank 67				0.006
Fugitives				0.568
New Hot Oil Heater	5.34	5.96	1.49	0.12
T-200, T-65, & T-68* *				**See Note
T-66 and T-101***				***See Note
TOTAL (tons/yr)	21.25	22.45	5.50	19.26

Notes:
*Via a prior notification to the Department that this is not a back up unit.

** VOC Emissions from T-200, T-65, and T-68 are included in the fume recovery system emissions.

***T-66 and T-101 contained solid coal tar residue. The VOC emission is insignificant.

HAZARDOUS AIR POLLUTANTS

20. A major source is a facility that has the potential to emit more than 10 tons/year of any single HAP or 25 tons/year of combined HAPs. This source is not a major source of hazardous air pollutants.

Hazardous Air Pollutant	Potential to Emit (tons/year)

Naphthalene	2
Quinoline	0.13
Biphenyl	0.16
Dibenzofuran	1
Total	.3

21. The source PTE has less than 80% of the threshold values for Title V for criteria pollutant, and less than 80% of the threshold values for Title III for single HAPs and combined HAPs, therefore, full compliance evaluation (FCE) is not required.

ADDITIONAL REQUIREMENTS

NSPS APPLICABILITY

22. There are no sources at this facility for which NSPS standards have been promulgated.

NSR/PSD APPLICABILITY

23. This source is not subject to federal regulations for New Source Review (NSR) or further air quality analysis.

24. This source is not subject to federal regulations for Prevention of Significant Deterioration (PSD).

NESHAPS/MACT APPLICABILITY

25. There are no sources at this facility for which NESHAPS/MACT standards have been promulgated.

RACT APPLICABILITY

26. The facility is located in the Portland AQMA, but it is not one of the listed source categories in OAR 340-232-0010, thus the RACT rules do not apply.

TACT APPLICABILITY

27. The source is meeting the states TACT/Highest and Best Rules by conducting the following activities:
    a. A change in the wash fluid used in the fume recovery unit from heavy oil to

water.

b. The plant is now operating 5 days per week and dependent on business conditions this could change again, at some time in the future.

c. The fume recovery unit only operates during hours needed thus reduces emission further.

d. The installation of the thermal oxidizer once the business level reaches 75% of the original projected level based on the through put or until monthly through put reaches 5000 tons per month for three consecutive months.

PUBLIC NOTICE

28. Pursuant to OAR 340-216-0064(5)(a), renewals of Simple Air Contaminant Discharge Permits require public notice in accordance with OAR 340-209-0030(3)(b). The proposed permit was placed on public notice from October 17, 2002 to November 18, 2002.

POLLUTANT	PREVIOUS PSEL (tons/yr)	PROPOSED PSEL (tons/yr)	ESTIMATED ACTUAL EMISSIONS (tons/yr)
SO_2	22	39	0.02
NO_x	28	39	1
CO	7	99	0.51
VOC	20	39	1.13

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Northwest Region Portland Office
Air Quality Program
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5554
FAX (503) 229-5265
TTY (503) 229-5471

July 9, 2002

Koppers Industries
Attn: Amos S. Kamerer
436 Seventh Avenue #1800
Pittsburgh, PA 15219-1800

Re: Air Contaminant Discharge Permit Application

Your application for an Air Contaminant Discharge Permit were received by the Department on June 27, 2002 and has been assigned application number 020276 and permit number 26-2930. The Department will contact you if additional information is needed.

Please reference the permit number 26-2930 on all correspondence with the Department in regard to this permit.

In addition to meeting the air quality standards, your facility is also obligated to operate in compliance with the daytime and nighttime noise standards set forth in Oregon Administrative Rule (OAR) 340-35-035(1). For a copy of the noise regulations, please call (503) 229-5582 , they are also available on line at http://www.deq.state.or.us/aq/rules/index.htm.

If you have any questions please contact Rose Lim at (503) 229-~~2930~~ ~~5582~~ 6191.

Sincerely,

Catherine Blaine

Catherine Blaine
Permit Coordinator
Air Quality Program
Northwest Region

Cc: RL/NWR

Koppers014701

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Northwest Region Portland Office
Air Quality Program
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5554
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If you have any questions please contact Rose Lim at (503) 229-2930.

Sincerely,

Catherine Blaine

Catherine Blaine
Permit Coordinator
Air Quality Program
Northwest Region

Cc: RL/NWR

Post-it® Fax Note 7671	Date 7/11/02	# of pages ▶ 1
To J. Dietz	From Amos	
~~Co./Dept.~~ T. Self	~~Co.~~	
~~Phone #~~ M. Cilley	~~Phone #~~ F.Y.I.	
~~Fax #~~	~~Fax #~~	

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

June 27, 2002

RECEIVED
JUN 27 2002
DEPT. OF ENVIROMENTAL QUALITY
Downtown office
811 SW 6th Ave

Oregon Dept. of Environmental Quality
Northwest Region
2020 SW Fourth Ave., Suite 400
Portland, Oregon 97201-4987

Ms. Catherine Blaine
Air Quality Permit Coordinator

Reference: Renewal of Air Containment Discharge Permit
ACDP # 26-2930

Dear Ms. Blaine,

Attached please find the completed AQ101 Answer Sheet for the renewal without changes of our Air Containment Discharge Permit # 26-2930. We would also like to reference, as a part of this renewal, the open Notice of Intent to Construct # 018175, that we feel is a part of the existing ACDP.

If you have any questions, I can be reached at # 503-286-3681 or via e-mail at kamereras@koppers.com

Sincerely,

Amos S. Kamerer
Cc: J. Dietz, KII
T. Self, KII

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

June 27, 2002

Oregon Dept. of Environmental Quality
Northwest Region
2020 SW Fourth Ave., Suite 400
Portland, Oregon 97201-4987

Ms. Catherine Blaine
Air Quality Permit Coordinator

Reference: Renewal of Air Containment Discharge Permit
ACDP # 26-2930

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If you have any questions, I can be reached at # 503-286-3681 or via e-mail at kamereras@koppers.com

Sincerely,

Amos S. Kamerer
Cc: J. Dietz, KII
T. Self, KII

FOR DEQ USE ONLY	
Permit Number: *#*	Type of Application
Application No:	EXT RNW x MOD
Date Received:	NEW SM
Regional Office:	Check No. Amount $

1. Company	2. Facility Location
Legal Name: Koppers Industries, Inc.	Name: Koppers Industries, Inc.
Mailing Address: 436 Seventh Avenue # 1800	Street Address: 7540 NW Saint Helens Road
City, State, Zip Code: Pittsburgh, PA 15219-1800	City, County, Zip Code: Portland, Multmona, OR 97210-3663
3. Site Contact Person	**4. Standard Industrial Classification Code(s)**
Name: Amos S. Kamerer	Primary: 2865
Title: Plant Manager	Secondary:
Phone number: 503-286-3681	
5. Other DEQ Permits	**6. Permit Action**
NPDES No. 101642	___ New permit _X_ Renewal of an existing permit without changes ___ Renewal of an existing permit with changes ___ Modification of existing permit

7. Signature

I hereby apply for permission to discharge air contaminants in the State of Oregon, as stated or described in this application, and certify that the information contained in this application and the schedules and exhibits appended hereto, are true and correct to the best of my knowledge and belief.

Amos S. Kamerer	Plant Manager # 503-286-3681
Name of official (Printed or Typed)	Title of official and phone number
	June 27, 2002
Signature of official	Date

THE APPLICATION FEE INFORMATION IS SHOWN ON THE NEXT PAGE. SUBMIT TWO COPIES OF THE COMPLETED APPLICATION TO THE DEPARTMENT BUSINESS OFFICE ALONG WITH THE FEES. MAKE CHECKS PAYABLE TO DEQ.

Oregon Department of Environmental Quality
Business Office
811 SW SIXTH AVENUE
Portland, OR 97204

Oregon
John A. Kitzhaber, M.D., Governor

Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice
TTY (503) 229-5471

June 5, 2002

Koppers Industries, Inc.
7540 NW St. Helens Road
Portland, Oregon 97210-3663

Re: Renewal of Air Contaminant Discharge Permit
ACDP # 26-2930

Your Air Contaminant Discharge Permit for the subject plant will soon expire. Application for renewal of this permit is due by July 1, 2002.

Please complete the enclosed forms, adding additional information as necessary. Use your highest estimated production rate over the next five years in your calculations. Complete and sign form AQ101. Complete all additional forms enclosed and provide the requested information as necessary. Return the original and *one copy* of all application documents with the invoice and the fees.

Please remember that failure to apply for renewal prior to the expiration date of the permit will result in operating without a permit, for which civil penalties may be levied. Call us if you need assistance. Technical questions concerning your permit should be directed to Rose Lim at (503) 229-6191. If you have questions on fees, name change, and other administrative items please contact me at (503) 229-5582.

Sincerely,

Catherine Blaine

Catherine Blaine
Air Quality Permit Coordinator
Northwest Region

Enclosures

Cc: RSL/NWR

FAX: J. Dietz
T. Self
M. Cilley
5 Pages

RECEIVED
JUN 7 2002
KOPPERS INDS, INC.
PORTLAND OR

Ames

DEQ-1

This form should be submitted with *all* Air Contaminant Discharge Permit (ACDP) applications. The applicant must submit TWO copies of this and all other required permit forms, with all fees required, to the **DEQ Business Office, Oregon Department of Environmental Quality, 811 SW 6th Avenue, Portland, Oregon 97204-1390.**

1. **Company**: Enter the legal name of the company as it is registered with the State of Oregon Corporations Division and mailing address.

2. **Facility Location**: Enter the common name of the facility and address if different from the information provided in question 1. If the information is the same, enter "same".

   - Provide the location (i.e., the street address) for the facility. If the facility is not located on a street, provide other directional information such as nearby cross streets (i.e., northwest of Third Avenue at Howard Street). If the facility is located in an industrial park, provide the name and address of the park.
   - Provide the city name, county, and zip code. If the facility is located in an unincorporated area of a county, enter "unincorporated" and identify the nearest incorporated municipality.

3. **Site Contact Person:** Provide the following information about the individual who should be contacted regarding this permit application.

   - Enter the name of the individual
   - Enter the title of the individual.
   - Enter the area code and telephone number of the individual.

4. **Standard Industrial Classification (SIC) Code:**

   - Enter the appropriate SIC(s) for the facility. There could be more than one primary SIC. A secondary SIC would be for other supporting activities at the facility, such as a steam process boiler.
   - If this facility is owned and/or operated by a governmental entity, specify the type of entity (e.g., city, county, state, federal, tribal) and the relationship of that entity to the facility (e.g., "owner," "operator," "owner and operator").

5. **Other DEQ permits:** Identify any DEQ solid waste, stormwater, water, and hazardous waste permits issued to the facility (e.g., National Pollution Discharge Elimination System [NPDES] Waste Discharge Permit 100797, etc).

6. **Permit Action:** Put an X for the appropriate permit action for this application. If this is a renewal of an existing permit and there are no changes to the permit (i.e., changes to equipment or production rates), then the applicant just needs to submit form AQ101. If there are changes to the permit, then the applicant will need to submit any applicable forms to describe the changes.

7. **Signature:** The ACDP application must be signed. The application should be signed by the official responsible for the facility's compliance with air quality regulations and knowledgeable of the contents of this application. The official might be the owner, the plant manager, the head of environmental affairs, etc.

Koppers014707

1. Provide a text description of the facility processes. In describing the facility, and in preparing the permit application the applicant should always remember that the permit should be written to cover the facility as it will operate for the future permit term. A permit term is five or ten years depending on the type of permit issued. Providing information on future operations now may prevent the need for the additional cost of permit modifications in the future. The applicant should provide the information requested below.

   - A description of the current processes that emit air pollutants;
   - The fuels used and products produced in these processes;
   - If this application is for a permit modification, a discussion of the proposed modification;
   - If this application is for a renewed ACDP, a description of any anticipated modifications to the facility's existing processes during the pending permit term that the ACDP will need to address; and
   - If this application is for an initial or renewed ACDP, a description of any anticipated construction at the facility during the pending permit term that the ACDP will need to address.

2. Attach a plot plan showing the location of all stacks and vents though which regulated pollutants are released to the atmosphere.

3. Attach process flow diagram, which shows the air pollutant emitting processes at the facility. The diagram should illustrate the following. The applicant should ask the DEQ permit writer about the level of detail that is required.

   - All regulated air pollutant-emitting devices and processes at the facility, labeled with the same identification numbers that the applicant assigned them in Form Series AQ200.
   - Flow routes of contaminated air from processes to emission control equipment and emission points.
   - All air pollution control devices at the facility, labeled with the same identification numbers that the applicant assigned them in Form Series AQ300.
   - The location of all stacks and vents through which regulated pollutants are released to the atmosphere.
   - Any materials handling activities that emit regulated pollutants (e.g., loading crushed rock, storage piles, etc.) not addressed in a Device/Process Form (series AQ200).
   - Any fuel storage and piping systems on the facility property.

4. Attach a city map or drawing showing the facility location, property lines and its relation to nearby (i.e., within 1 mile) sensitive receptors such as residential areas, hospitals, schools, etc. If the facility is located in a rural area, the applicant should note distances on approaching roads and also mark the location of landmarks.

Koppers014708

FACILITY DESCRIPTION

Facility Name: _____ Permit Number: _____

1. Description of facility and processes:

3. Attach plot plan.

4. Attach process flow diagram.

5. Attach a city map or drawing showing the facility location.

Koppers014709

FOR DEQ USE ONLY	
Permit Number:	Type of Application:
Application No:	EXT RNW MOD
Date Received:	NEW SM
Regional Office:	Check No. Amount $

1. Company	2. Facility Location
Legal Name:	Name:
Mailing Address:	Street Address:
City, State, Zip Code:	City, County, Zip Code:
3. Site Contact Person	**4. Standard Industrial Classification Code(s)**
Name:	Primary:
Title:	Secondary:
Phone number:	
5. Other DEQ Permits	**6. Permit Action**
	___ New permit
	___ Renewal of an existing permit without changes
	___ Renewal of an existing permit with changes
	___ Modification of existing permit

7. Signature

I hereby apply for permission to discharge air contaminants in the State of Oregon, as stated or described in this application, and certify that the information contained in this application and the schedules and exhibits appended hereto, are true and correct to the best of my knowledge and belief.

Name of official (Printed or Typed)	Title of official and phone number
Signature of official	Date

THE APPLICATION FEE INFORMATION IS SHOWN ON THE NEXT PAGE. SUBMIT TWO COPIES OF THE COMPLETED APPLICATION TO THE DEPARTMENT BUSINESS OFFICE ALONG WITH THE FEES. MAKE CHECKS PAYABLE TO DEQ.

Oregon Department of Environmental Quality
Business Office
811 SW SIXTH AVENUE
Portland, OR 97204

Koppers014710

FOR DEQ USE ONLY	
Permit Number:	Type of Application:
Application No:	EXT ___ RNW ___ MOD ___
Date Received:	NEW ___ SM ___
Regional Office:	Check No. Amount $

1. Company	2. Facility Location
Legal Name:	Name:
Mailing Address:	Street Address:
City, State, Zip Code:	City, County, Zip Code:
3. Site Contact Person	**4. Standard Industrial Classification Code(s)**
Name:	Primary:
Title:	Secondary:
Phone number:	
5. Other DEQ Permits	**6. Permit Action**
	___ New permit
	___ Renewal of an existing permit without changes
	___ Renewal of an existing permit with changes
	___ Modification of existing permit

7. Signature

I hereby apply for permission to discharge air contaminants in the State of Oregon, as stated or described in this application, and certify that the information contained in this application and the schedules and exhibits appended hereto, are true and correct to the best of my knowledge and belief.

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Signature of official	Date

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Oregon Department of Environmental Quality
Business Office
811 SW SIXTH AVENUE
Portland, OR 97204

Koppers014711

Oregon
Theodore Kulongoski, Governor

Department of Environmental Quality
Northwest Region Portland Office
2020 SW 4th Avenue, Suite 400
Portland, OR 97201-4987
(503) 229-5263
FAX (503) 229-6945
TTY (503) 229-5471

April 21, 2005

APR 22 2005

Amos S. Kamerer
Koppers Industries, Inc.
7540 NW Saint Helens Rd
Portland, OR 97210-3663

Re: Drought Conditions and Summer Permit Limits
KOPPERS// DEQ file #47430

Dear NPDES Permittee:

As you know, Oregon is experiencing a period of abnormally low rainfall and snowfall creating extremely low stream flows in many parts of the state. With low stream flows, water quality in a stream may deteriorate to a point that fish and other beneficial uses are threatened. We need your help in protecting water quality in streams which may be impacted by your operation.

Under normal winter and spring rainfall conditions, there is much more flow in the receiving stream to assimilate treated wastewater discharged from your operation. With the very low rainfall this winter and the expected low flows this summer, the assimilative capacity of many streams will be significantly below normal. Although Western Oregon has received some much needed rain in recent weeks, there still remains a concern for summer and early fall stream flows. Therefore, to help minimize the impact of your wastewater discharge on the receiving stream, we are asking you to voluntarily undertake the following measures as soon as possible:

- **Review all outstanding maintenance needs to ensure that wastewater control facilities are operating as efficiently as possible so as to prevent overflows, bypassing and other problems due to breakdowns of equipment.** Under Schedule F of your NPDES permit, you are required to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) at all times.

- **Consider preparations necessary to avoid possible power outages that may affect your treatment and collection systems.** Power outages are a concern even when drought conditions are not present. Please ensure that back-up or auxiliary systems are operational if needed to achieve compliance with permit conditions.

- **If your facility uses chlorine as a disinfectant and you do not currently dechlorinate, please carefully monitor the amount of chlorine used to ensure the residual is as low as possible.**

cc: T. J. Turner
T. Self

- **If you operate a lagoon system and are precluded from discharging in the summer, please evaluate your operation and make every effort to stop discharging as soon as possible while still ensuring that you will have adequate storage available throughout the summer and into the early fall (if the drought conditions persist).** Care needs to be taken to ensure that the lagoon system will not be structurally jeopardized with higher storage levels, or that you have secured irrigation opportunities to cover this extended dry period.

- **Monitor flow conditions into the fall and winter.** The Department may need to extend summer limits and restrictions into the fall (i.e., beyond October 31) until expected wet season flows have returned to normal.

The Department will continue to evaluate the drought. We will be reviewing basin-specific information to identify potentially critical locations. You will be notified of further drought management planning updates that may affect your operations.

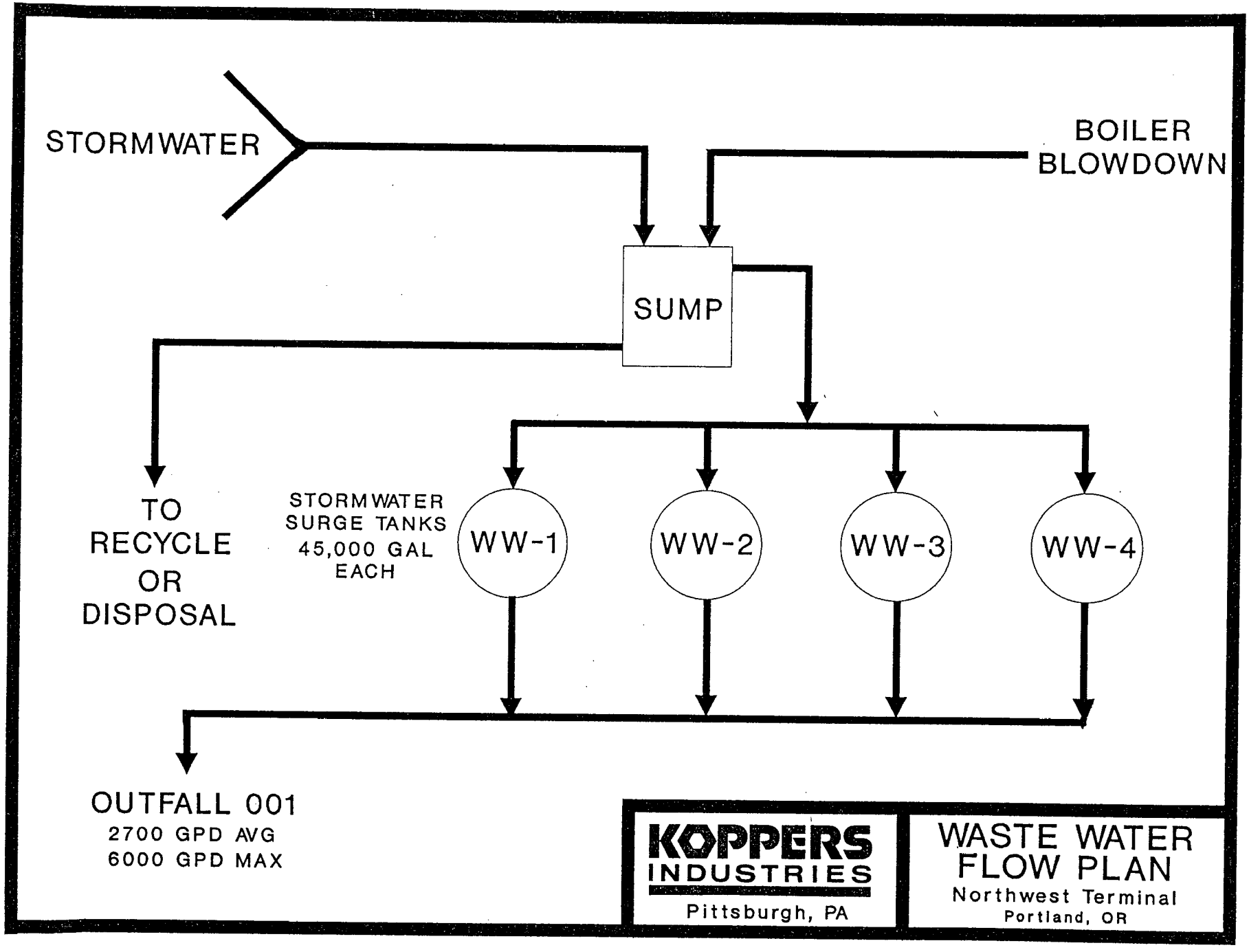
Thank you for your continued efforts in protecting Oregon's streams and rivers. The goal of these voluntary measures is to get through this critical time without damaging our valuable natural resources. If you have any questions, please contact your DEQ compliance officer.

Sincerely,

Neil Mullane

Neil Mullane
Manager WQ Program Northwest Region

Northwest Region Compliance Officers:
Rob Burkhart (503) 229-5566
Lyle Christensen (503) 229-5295
Beth Moore (503) 229-5586
Elliot Zais (503) 229-5292



Koppers014714

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY SOURCE INSPECTION FORM

Permittee: Koppers Industries	Source Address: 7540 NW St. Helens Road Portland	Date Inspected: 18 April 2005
Facility Name:	Phone Number: 503/286-3681	Official Contacted/Title: T. J. Turner, General Foreman
File Number (Site ID No.): 47430	Mailing Address: 7540 NW St. Helens Road Portland OR 97210-3663	APR 22 2005
EPA ID Number (NPDES Only): OR0000779		
Permit Number: 101642	Type of Inspection: ☒ Compliance ☐ Technical Assistance ☐ Land Application/Reuse	Samples Taken: ☐ YES ☒ NO ☐ SPLIT
Permit Exp. Date: 31 January 2004		System Classification: X Treatment Collection

COMPLIANCE STATUS	In Comp	Not In Comp	On Sch
Schedule A Waste Discharge Limitations	☒	☐	☐
Schedule B Monitoring & Reporting	☒	☐	☐
Schedule C Compliance Conditions	☐	☐	☐
Schedule D Special Conditions	☒	☐	☐
General Conditions	☒	☐	☐
SFO or MAO Requirements	☐	☐	☐

VIOLATIONS NOTED:
None.

SUMMARY OF INSPECTION FINDINGS & COMMENTS / RECOMMENDATIONS

I met with T. J. Turner, General Foreman. We walked around the site. The outfall is flowing clean and clear. There were no wastewater discharges today. Vegetation looks OK. The site appears well maintained.

☐ CONTINUED ON ATTACHED PAGE

PREPARATION TIME: 0.5 HRS
INSPECTION TIME: 0.75 HRS
(include travel to & from)
FOLLOW-UP TIME: 0.5 HRS
(inspection write-up, enforcement if necessary)
cc: ☐ Water Quality Division ☒ Permittee

Elliot J. Zais
Inspector's Name (Please Print)

Elliot J. Zais
Inspector's Signature

NWR/WQ/Portland
Region & Office

18 April 2005
Date

cc: T. Self

Koppers014715

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663

Telephone: (503) 286-3681
FAX: (503) 285-2831

November 22, 1989

Mr. Richard Wixom
Department of Environmental Quality
811 S. W. 6th Ave.
Portland, Oregon 97204

RE: Koppers Industries, Inc.
Notice of Non-Compliance
NWR-89-122

Dear Mr. Wixom:

We have been proceeding with construction of the fume scrubber for #3 track using plant personnel. It is estimated that the installation is over 30% completed at this time. Due to unforseen mechanical problems and breakdowns in our production facilities, we have not been able to devote full time to this project. Using plant personnel only, we project that the construction time for the fume scrubber may extend well into the first quarter of 1990.

In an effort to complete this project by December 31, 1989, we have engaged the services of an outside contractor as of this date. Our discussions with the contractor indicate that the fume scrubber installation can be completed by year end.

A fume abatement system for #5 track is still being evaluated by our engineering department. In the meantime, a modification to the loading spout has significantly reduced the emissions from tank cars when they are heated. We will continue to evaluate other appropriate control systems for this area.

We believe that the installation of the fume scrubber on #3 track and the spout modifications made at #5 track will significantly reduce odors that are attributable to the "nuisance conditions" noted in the notice of non-compliance. Please call me at (503) 286-3681 if you have any questions.

Sincerely Yours,

John A. Oxford
Plant Manager

CC: J.R. Batchelder K-1701
L.F. Flaherty K-1750
W.E. Swearingen K-1800

Sent to Swissringen
4-21-92

RETAIN THIS NUMBER-CUSTOMER RECEIPT WILL BE MAILED TO YOU.
RB218844087

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

March 19, 1992

John Oxford
Koppers Industries
7540 N.W. St. Helens Road
Portland, OR 97229

Re: Permit No. 100419
File No. 47430
Multnomah County

Our records indicate that your present wastewater disposal permit will expire on November 30, 1992.

For permit renewal, the enclosed application form must be completed, signed by your responsible official, and returned to the Department of Environmental Quality as soon as possible. Except for government agencies and private individuals, the official name of the applicant must reflect the legal name (not the assumed business name) of the business as it is currently registered with the Department of Commerce.

On September 28, 1988, new federal rules went into effect which require all NPDES permittees to submit a completed FORM 2C with each renewal application. This will require a detailed analytical evaluation of each effluent discharged. Please study the application carefully and submit all of the data required.

We will appreciate receiving your application as soon as possible as it takes several months to process an application. A filing fee of $50 and a processing fee of $750 are required to accompany this application. If modification of effluent limits is being requested by this application, the amount of the application processing fee will also increase. (See attached fee schedule.) No action can be taken on the application until the fees are paid.

If you have any questions regarding the renewal application or the associated fees, please contact this office. An invoice for the amount of the fees will be sent to you upon request.

Sincerely,

Charles K. Ashbaker, Manager
Water Quality, Northwest Region

RECEIVED
MAR 2 1992
KOPPERS INDS., INC.
PORTLAND, OR

CKA:crw
IW\WC9\WC9776 (WEXP.1)
Enclosures
cc: Water Quality Division, DEQ

Jerry Turnbaugh Replaced
503 229 5374

811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
TDD (503) 229-6993
DEQ-1

RETURN APPLICATION TO:
DEPARTMENT OF ENVIRONMENTAL QUALITY
BUSINESS OFFICE
811 S.W. Sixth Avenue
Portland, OR 97204
(503) 229-5309

APPLICATION
FOR RENEWAL OF
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (NPDES-R)
STATE OF OREGON

DEQ USE ONLY
Appl. No.: _____
File No.: 47430
Received: _____
WQ EPA No.: OR- _____

A. REFERENCE INFORMATION

_____
Official Name of Applicant (Owner)

_____
Facility Name

_____
Address

_____ _____ _____
City State Zip

_____
Responsible Official

_____
Title

_____ _____
Address or Location Phone

Present Permit No.: _____

Date Expires: _____

Enter Site Location by Latitude and Longitude:

LATITUDE			LONGITUDE		
1. Deg.	2. Min.	3. Sec.	1. Deg.	2. Min.	3. Sec.

_____
Alternate Responsible Official or Chief Operator

_____
Title

_____ _____
Address or Location Phone

Description of activities requiring a permit from the Department: (Check all that apply.)

_____ Construct, install or modify waste collection, treatment, or disposal facilities:

_____ Operate waste collection, treatment, or disposal facilities.

_____ Discharge treated wastewaters into the waters of _____.

_____ (Other) _____.

B. GENERAL QUESTIONS

1. Have the treatment or disposal methods employed, as indicated in previous applications, been altered in any way since the last application was submitted? ☐ Yes ☐ No (If yes, explain.)

2. Has the quantity or quality of wastes discharged, as indicated in previous applications, been significantly changed in any way since the last application was submitted? ☐ Yes ☐ No (If yes, explain.)

C. SPECIAL QUESTIONS AND REQUESTED INFORMATION

1. If any changes in operations or waste quantity or quality are anticipated in the near future, please attach an explanation or proposal.
2. Please attach a brief report which indicates your progress in meeting the requirements and limitations of your present permit.

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED IN THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

_____ _____ _____
Signature of Owner (Or Legally Authorized Representative) Title Date

DEQ-WQ-IW\WH4461 (03/91)

Koppers014718

PERMIT FEE SCHEDULE

WASTEWATER DISPOSAL PERMITS

340-45-075

(1) **Filing Fee.** Unless waived by this rule, a filing fee of $50 shall accompany any application for issuance, renewal, modification, or transfer of an NPDES permit or WPCF permit, including registration for a General Permit pursuant to OAR 340-45-033 and request for a Special Permit pursuant to OAR 340-14-050. This fee is non-refundable and is in addition to any application processing fee or annual compliance determination fee which might be imposed. The following filing fees are waived:

(a) Small gold mining suction dredges with an intake hose diameter of 4 inches or less.

(b) Small gold mining operations which qualify for General Permit 600, and which can process no more than 5 cubic yards of material per day.

(2) **Application Processing Fee.** An application processing fee shall be submitted with each application. The amount of the fee shall depend on the type of facility and the required action as follows:

(a) New Applications:

(A)	Major industries[1]	$20,000
(B)	Minor industries	$ 4,000
(C)	Major domestic[2]	$ 1,500
(D)	Minor domestic	$ 600
(E)	Agricultural	$ 4,000

(b) Permit Renewals (including request for effluent limit modification):

(A)	Major industries[1]	$10,000
(B)	Minor industries	$ 2,000
(C)	Major domestic[2]	$ 750
(D)	Minor domestic	$ 300
(E)	Agricultural	$ 2,000

(c) Permit Renewals (without request for effluent limit modification):

(A)	Major industries[1]	$ 5,000
(B)	Minor industries	$ 750
(C)	Major domestic[2]	$ 500
(D)	Minor domestic	$ 200

Koppers014719

(E) Agricultural . . . . . $ 750

(d) Permit Modifications (involving increase in effluent limitations):

(A) Major industries[1] $10,000
(B) Minor industries . . . . . $ 2,000
(C) Major domestic[2] . . . . . $ 750
(D) Minor domestic . . . . . $ 300
(E) Agricultural . . . . . $ 2,000

(e) Permit Modifications (not involving an increase in effluent limits): All categories . . . . . $ 500

(f) Special Permits issued pursuant to OAR 340-14-050 . . . . . $ 250

(g) New General Permits, by permit number:

(A) 100, 400, 500, 600 (over 1500 cubic yards per year), 900, 1000 . . . . . $ 50

(B) 200, 300, 1300, 1400, 1500, 1600. . . . . $ 100

(C) 1200 . . . . . $ 150

(3) Annual Compliance Determination Fee Schedule:

(a) Domestic Waste Sources -- Initial and Annual Fee is based on Dry Weather Design Flow, Type of Facility and Applicable Special Fees as follows:

		Fees
(A_1)	Sewage Disposal - 50 MGD or more	$20,860
(A_2)	Sewage Disposal - At least 25 MGD but less than 50 MGD	$14,110
(A_3)	Sewage Disposal - At least 10 MGD but less than 50 MGD	$ 6,610
(B_a)	Sewage Disposal - At least 5 MGD but less than 10 MGD	$ 5,010
(B_b)	Sewage Disposal - At least 5 MGD but less than 10 MGD - Systems where treatment occurs in lagoons that discharge to surface waters	$ 5,010
(C_{1a})	Sewage Disposal - At least 2 MGD but less than 5 MGD	$ 3,285
(A_1)	Sewage Disposal - 50 MGD or more	$20,860
($C1_b$)	Sewage Disposal - At least 2 MGD but less than 5 MGD - Systems where treatment occurs in lagoons that discharge to surface waters	$ 935

Koppers014720

		Fees
(C_{2a})	Sewage Disposal - At least 1 MGD but less than 2 MGD	$ 2,210
(C_{2b})	Sewage Disposal - At least 1 MGD but less than 2 MGD - Systems where treatment occurs in lagoons that discharge to surface waters	$ 845
(D_a)	Sewage Disposal - Less than 1 MGD, and not otherwise categorized under Categories E, F, or G .	$ 755
(D_b)	Sewage Disposal - Less than 1 MGD - Systems where treatment occurs in lagoons that discharge to surface waters which are not otherwise categorized under Categories E, F, or G	$ 450
(E)	Sewage Disposal - Systems where treatment is limited to lagoons which do not discharge to surface waters	$ 250
(F)	Sewage Disposal - Systems larger than 20,000 gallons per day which dispose of treated effluent via subsurface means only	$ 260
(G)	Sewage Disposal - Systems less than 20,000 gallons per day which dispose of treated effluent via subsurface means only and other systems required by OAR 340, Division 71 to have a Water Pollution Control Facilities (WPCF) permit	$ 185
(H_1)	Sources determined by the Department to administer a pretreatment program pursuant to federal pretreatment program regulations (40 CFR, Part 403; January 28, 1981) shall pay an additional $1,000 per year plus $335 for each significant industrial user specified in their annual report for the previous year.	
(H_2)	In addition to applicable fees specified above, special Annual Compliance Fees for Tualatin Basin Pollution Abatement Activities will be applied to the following permittees until Fiscal Year 1998:	
	Unified Sewerage Agency - Durham	$26,720
	Unified Sewerage Agency - Rock Creek	$22,995
	Unified Sewerage Agency - Forest Grove	$ 5,450
	Unified Sewerage Agency - Hillsboro	$ 4,240
	Unified Sewerage Agency - Banks	$ 185
	City of Portland - Tryon Creek	$ 910

(b) Industrial, Commercial and Agricultural Sources (Source and Initial and Annual Fee):

(For multiple sources on one application select only the one with highest fee)

(A)	Major pulp, paper, paperboard, hardboard, and other fiber pulping industry	$ 6,000

Koppers014721

(B) Major sugar beet processing, potato and other vegetable processing, and fruit processing industry . . . . . $ 6,000

(C) Seafood Processing Industry:

(i) Bottom fish, crab, and/or oyster processing . . . . . $ 675

(ii) Shrimp processing . . . . . $ 675

(iii) Salmon and/or tuna processing . . . . . $ 1,200

(D) Electroplating industry (excludes facilities which do anodizing only):

(i) Rectifier output capacity of 15,000 Amps or more . . . . . $ 6,000

(ii) Rectifier output capacity of less than 15,000 Amps but more than 5000 Amps . . . . . $ 3,000

(E) Primary Aluminum Smelting . . . . . $ 6,000

(F) Primary smelting and/or refining of non-ferrous metals utilizing sand chlorination separation facilities . . . . . $ 6,000

(G) Primary smelting and/or refining of ferrous and non-ferrous metals not elsewhere classified above . . . . . $ 3,000

(H) Alkalies, chlorine, pesticide, or fertilizer manufacturing with discharge of process waste waters . . . . . $ 6,000

(I) Petroleum refineries with a capacity in excess of 15,000 barrels per day discharging process waste water . . . . . $ 6,000

(J) Cooling water discharges in excess of 20,000 BTU/sec . . . . . $ 3,000

(K) Milk products processing industry which processes in excess of 250,000 pounds of milk per day . . . . . $ 6,000

(L) Major mining operations (over 500,000 cubic yards per year) . . . . . $ 6,000

(M) Minor mining and/or processing operations:

Koppers014722

	(i) Medium (100,000 to 500,000 cubic yards per year) mechanical processing	$ 2,000
	(ii) Medium using froth flotation	$ 3,000
	(iii) Medium using chemical leaching	$ 4,000
	(iv) Small (less than 100,000 cubic yards per year) mechanical processing	$ 500
	(v) Small using froth flotation	$ 1,000
	(vi) Small using chemical leaching	$ 2,000
(N)	All facilities not elsewhere classified with disposal of process waste water	$ 1,200
(O)	All facilities not elsewhere classified which dispose of non-process waste waters (i.e., small cooling water discharges, boiler blowdown, filter backwash, log ponds, etc,)	$ 750
(P)	Dairies and other confined feeding operations on individual permits	$ 450
(Q)	All facilities which dispose of waste waters only by evaporation from watertight ponds or basins	$ 450
(R)	General permits 100-J, 200-J, 400-J, 500-J, 1000	$ 100
(S)	General permit 300-J	$ 100
(T)	General permits 900-J, 1200-J, 1300-J, 1400, 1500-J, 1600	$ 100

---

1 *Major Industries Qualifying Factors:*

-1- Discharges large BOD loads; or
-2- Is a large metals facility; or
-3- Has significant toxic discharges; or
-4- Has a treatment system which, if not operated properly, will have a significant adverse impact on the receiving stream; or
-5- Any other industry which the Department determines needs special regulatory control.

2 *Major Domestic Qualifying Factors:*

-1- Serving more than 10,000 people; or

-2- Serving industries which can have a significant impact on the treatment system.

Koppers014723

DEQ Case Number: _____

DEPARTMENT OF ENVIRONMENTAL QUALITY

SPLIT SAMPLE RESULTS REPORT

Source Name: KOPPERS INDUSTRIES INC. Sample Date: 3-5-90

Contact Person: JOHN OXFORD Phone: 286 3681

Address: 7540 NW ST HELENS RD.

Collected By: WIXOM / OXFORD Region/Division: _____

	FIELD MEASUREMENTS*			SOURCE SAMPLE RESULTS				DEQ LAB RESULTS			
Analysis ∝	Sample point A	Sample point B	Sample point C	Sample point A	Sample point B	Sample point C	Date/Time analysis setup	Sample point A	Sample point B	Sample point C	Date/Time analysis setup
				KOPPERS OUTFALL	ST HELENS RD. OUTFALL	RIVERGATE ROCK CULVERT	3-5-90 PM. EPA METHOD 615				
				3200 UG/L	N.D	N.D					
				GASOLINE PRINT THINNER OR SOME OTHER FUEL							

	Sample point description ∝ (ie. Effluent comp.).	Container number SOURCE	Container number DEQ ∝
A			
B			
C			

Fill in your split sample results and mail to:

DEQ Lab
1712 SW 11th Ave.
Portland, OR 97201
Attn: QA Chemist

*DEQ sampler - enter field measurements, if taken; indicate whether they are estimates.
∝DEQ sampler is responsible for completing this column.

Need assistance with this form? Contact the QA chemist at (503) 229-5983.

Koppers014724

DOT HAZARDOUS MATERIALS REGISTRATION

1998

KOPPERS INDUSTRIES **LOGISTICS DEPARTMENT**
INTEROFFICE CORRESPONDENCE

To:	All Plant Managers	From:	J. S. Sebbens
Location:	Various	Location:	K-1650 - Pittsburgh
Subject:	Hazardous Materials Registration 1998-1999	Date:	June 29, 1998

Attached is a copy of Koppers Industries' Hazardous Materials Certificate of Registration renewal of 1998-1999. Please keep this certificate on file or display it prominently in your facility, as may be required by an authorized representative or agent of the U.S. DOT during an inspection. A copy of the certificate or registration number should also be carried in all Company commercial motor vehicles.

The registration number 052198-700-004G was issued to Koppers Industries on a corporate basis. All supporting documentation will be maintained on file in Pittsburgh as the principle place of business.

Registration is required annually. This certificate expires June 30, 1999 and will be revised as our business dictates for our annual renewal.

Please direct any inquiries regarding our registration to me at 412-227-2848.

Jay
J. S. Sebbens

JSS/plm

Attachment

Copy:

T. Davis

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663

Telephone: (503) 286-3681
FAX: (503) 285-2831

6/22/93

Post-It™ brand fax transmittal memo 7671	# of pages ▸ 3
To Bill Lemenager	From John Oxford
Co. K-1800	Co. Portland
Dept.	Phone #
Fax #	Fax #

June 22, 1993

Mr. George Davis
Department of Environmental Quality
Northwest Regional Office
Crown Plaza Building
1500 S.W. 1st Suite 750
Portland, Oregon
97201-5884

Dear Sir:

The attached is a report for the second quarter of PAH content from Coffey Laboratory submitted to you in compliance with the requirements stated in the N.P.D.E.S. Permit # 997220. Please note that the permit requires that the method of testing shall be EPA # 610. Coffey Labatory informs us that method # 8310 supersedes method # 610.

If any further information is needed please feel free to call.

Regards,

John A Oxford

John A. Oxford
Plant Manager

Report Date: June 17, 1993
Job#: WG-930528AT-2
PO#: VERBAL JOHN (O&G/Phenols)
Project#: None Provided
Project: None Provided

Attention: John Oxford
Koppers Industry
7540 NW St. Helens Rd.
Portland, OR 97210

SAMPLE INFORMATION:
Date Samples Were Received By Laboratory: 05/28/93

Lab No.	Field Identification	Sample Matrix	Date	Time
1	W-W-T-3	Waste Water	05-28-93	1330
2	W-W-T-4	Waste Water	05-28-93	1330

ANALYTICAL RESULTS ARE ON THE FOLLOWING PAGE.

Sincerely,

Susan M. Coffey
President

SMC/daj

This report is for the sole and exclusive use of the above-named client. Samples are retained 15 days from the report date, or until holding time expires. Results pertain only to samples submitted.

RECEIVED
JUN 21 1993
KOPPERS INDS., INC.
PORTLAND, OR

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Koppers Industry

Job#: WG-930528AT-2

PARAMETER	METHOD	DETECTION LIMITS	W-W-T-3 RESULTS	W-W-T-4 RESULTS
Oil & Grease	EPA 413.2	0.7	Trace, <0.7	Trace. <0.7
Total Phenols	SM 420.1	0.05	0.05	0.05

Results expressed as mg/L unless otherwise noted.

SM means Standard Methods for the Examination of Water and Wastewater, 1985, 16th Edition.

The less than "<" symbol means none detected at or above the indicated value and represents the detection limit for the method.

ANALYSIS PERFORMED: Polynuclear Aromatic Hydrocarbons in waste water, by EPA Method 8310, Liquid Chromatography.

Compound	Detection Limit	Laboratory Blank	W-W-T-3 Results
Acenaphthene	200	ND	ND
Acenaphthylene	200	ND	ND
Anthracene	10	ND	ND
Benzo(a)anthracene	2.0	ND	19
Benzo(b)fluoranthene	10	ND	30
Benzo(k)fluoranthene	2.0	ND	24
Benzo(g,h,i)perylene	5.0	ND	31
Benzo(a)pyrene	2.0	ND	44
Chrysene	5.0	ND	20
Dibenzo(a,h)anthracene	20	ND	ND
Fluoranthene	20	ND	40
Fluorene	15	ND	ND
Indeno(1,2,3-c,d)pyrene	10	ND	20
Naphthalene	200	ND	ND
Phenanthrene	20	ND	ND
Pyrene	10	ND	23

Results expressed as µg/L unless otherwise noted.

ND means none detected at or above the detection limit listed.

RECEIVED
JUN 21 1993
KOPPERS INDS., INC.
PORTLAND, OR

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. Saint Helens Road
Portland, OR 97210-3663

Telephone: (503) 286-3681
FAX: (503) 285-2831

April 14, 1993

Mr. George Davis
Department of Environmental Quality
Northwest Regional Office
Crown Plaza Building
1500 S.W. 1st, Suite 750
Portland, Oregon
97201-5884

Dear Sir:

The attached is a report of PAH content from Coffey Laboratory submitted to you in compliance with the requirements stated in the N.P.D.E.S. Permit # 997220. Please note that the permit requires that the method of testing shall be EPA # 610. Coffey Labatory informs us that method # 8310 supersedes method # 610.

If any further information is needed please feel free to call.

Regards,

John A. Oxford
Plant Manager

KOPPERS
7540 N.W. St. Helens Rd.
Portland, Oregon 97210
(503) 286-3681

To: B. Swearingen
From: J. Oxford

Bill method 8310 supersedes Method 610.

Do you want a cover letter

Should we use a copy of the Tobi report. Please advise

John

JOHN A. OXFORD

Report Date: March 29, 1993
Job#: WG-930302AY-3
PO#: VERBAL JOHN (O&G/Phenols)
Project#: None
Project: None

Attention: John Oxford
Koppers Industry
7540 NW St. Helens Rd.
Portland, OR 97210

SAMPLE INFORMATION:
Date Samples Were Received By Laboratory: 03/02/93

Lab No.	Field Identification	Sample Matrix	Date	Time
1	W-W T-1	Waste Water	03-02-93	1415
2	W-W T-2	Waste Water	03-02-93	1415
3	P.A.H. T-1	Waste Water	03-02-93	1415

ANALYTICAL RESULTS ARE ON THE FOLLOWING PAGE(S).

Sincerely,

Susan M. Coffey
President

SMC/lws

This report is for the sole and exclusive use of the above-named client. Samples are retained 15 days from the report date, or until holding time expires. Results pertain only to samples submitted.

RECEIVED
MAR 31 1993
KOPPERS INDS. INC.
PORTLAND, OR

COFFEY LABORATORIES, INC.
12423 N.E. Whitaker Way • Portland, OR • 97230 • (503) 254-1794 • FAX (503) 254-1452

Job#: WG-930302AY-3

Koppers Industry
Page 2

PARAMETER	METHOD	DETECTION LIMITS	W-W T-1 RESULTS	W-W T-2 RESULTS
Oil & Grease	EPA 413.2	0.6	ND	0.6
Total Phenols	EPA 420.1	0.05	ND	0.06

Results expressed as mg/L unless otherwise noted.

Analysis Performed: Polynuclear Aromatic Hydrocarbons, by EPA Method 8310, Liquid Chromatography.

COMPOUND	DETECTION LIMIT	P.A.H. T-1 RESULTS
Acenaphthene	10	ND
Acenaphthylene	10	ND
Anthracene	0.1	ND
Benzo(a)anthracene	1.0	7.2
Benzo(b)fluoranthene	2.0	ND
Benzo(k)fluoranthene	2.0	ND
Benzo(g,h,i)perylene	4.0	ND
Benzo(a)pyrene	2.0	6.3
Chrysene	1.0	4.0
Dibenzo(a,h)anthracene	4.0	ND
Fluoranthene	2.0	12.5
Fluorene	2.0	ND
Indeno(1,2,3-c,d)pyrene	4.0	ND
Naphthalene	8.0	ND
Phenanthrene	2.0	5.4
Pyrene	4.0	11.8

Results expressed as µg/L unless otherwise noted.

ND means none detected at or above the detection limit listed.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries Inc
ADDRESS 7540 NW St. Helens Rd.
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah Co.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

101003 (2-16)	001 (17-19)	3077-J / 47430
PERMIT NUMBER	DISCHARGE NUMBER	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 (20-21)	12 (22-23)	01 (24-25)	TO	98 (26-27)	12 (28-29)	31 (30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	52,580		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				7.0	10.7	13.6	°C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				7.0	7.1	7.4	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	2.0	3.0	Mg/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	Mg/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE			DATE		
R.D. COLLINS, V.P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503 286 3681			99	01	05
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER		YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. HOLTROP-City of Portland, T.I. Self-KII

Koppers014734

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH December YEAR 98

FLOW 250,000 Days of Emergency Pumping

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	#DAYS IN MONTH	TOTAL FLOW	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# OF TANKS			
# OF PUMPINGS	IIII	IIII	IIII	IIII	IIII	IIII	III			
GALS.PUMPED	180,000	180,000	180,000	180,000	80,000	80,000	250,000	31	1,630,000	52,580

SAMPLE CONCENTRATION LEVELS

																LIMITS						
																min.	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	13.6	13.2	13.4	7.0	7.0	10.0	9.6	9.0	11.8	11.2	11.4								7.0	10.7	13.6	°F
PH	7.1	7.0	7.1	7.1	7.1	7.1	7.0	7.0	7.4	7.2	7.3					6.0		9.0	7.0	7.1	7.4	SU
OIL & GREASES	3.0	2.7	2.3	NO												0	10	15	NO	2.0	3.0	MG/L
PHENOLS	NO															0	.5	.7	NO	NO	NO	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN \ \ RESULTS

(MUST BE LESS THAN 1000)

Koppers014735

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kemerer

Address: 7540 NW St Helens Rd
Portland, Or 97210

Phone: (503) 286 3682

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Analyses To Be Performed

Oil & Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time
	WWTUS		12-28-98	0900

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	Signature: Rick Okel	12/28/98 1040
Printed Name: TJ TURNER	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014736

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/28/98

PROJECT NAME: WW TANKS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981835-001		12/28/98	0900	WWTanks

REPORT DATE: 12/29/98 REPORT NUMBER: 981835 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTanks						
981835-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

REVIEWED BY: Richard D. Reid - Laboratory Director

PH ON

w w Tk/s

7.35

@

11.8 c

12-28 98

WWTKS

PH - 7.2

Temp 11.2°C

12/29/99

WWTPs

7.3 PH

11.4°C

12/30/98

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Hamacker

Address: 7540 NW St Helens Rd
Portland OR 97210

Phone: 503 286 3681

FAX: 503 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTKS		12/14/98	1500	X

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	*Signature:* Rick Ulrich	12/15/98 0910
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014741

7.05 at

10 C

12-14-98

Watts

12-17-98

9°C

7.0 pH

WWTKS

7.0 PH

12-16-98

9°C

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/15/98

PROJECT NAME: WASTE WATER TANKS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981791-001		12/14/98	1500	WASTE WATER GRAB

REPORT DATE: 12/16/98 REPORT NUMBER: 981791 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB						
981791-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.3	PPM	2	Gordon L.

REVIEWED BY: Richard D. Reid

Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

~~7133~~ N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Russ Kamerer

Address: 7540 NW St Helens Rd
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority	Notification Method(s)
☐ Standard	☐ Telephone
~~☑ Rush~~	☐ FAX
Due Date ASAP	☐ Mail

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil & Grease
	WW TKs		12-7-98	1030	✓

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	*Signature:*	12/7/98 1315
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014746

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/07/98

PROJECT NAME: WASTE WATER TANKS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981731-001		12/07/98	1030	WASTE WATER GRAB SAMPLE

REPORT DATE: 12/08/98 REPORT NUMBER: 981731 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE						
981731-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.7	PPM	2	Gordon L.

REVIEWED BY: Richard D. Reid - Laboratory Director

7.06 P.H.
at
7°C 12-7-98
WWTKS

12-8-98
WWTKS
7.0 pH
7 °C Temp

COLUMBIA INSPECTION, INC.

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☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd Portland, Or 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: T.J. Turner ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Phenols	Oil-Grease
	WWTKS		11-30-98		X	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	11/30 1320
Printed Name: T.J. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014750

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/30/98

PO#:

PROJECT NAME: WASTEWATER TANKS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981690-001		11/30/98		WASTEWATER TANK GRAB SAMPLE
981690-001		11/30/98		WASTEWATER TANK GRAB SAMPLE

REPORT DATE: 12/01/98 REPORT NUMBER: 981690 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTEWATER TANK GRAB SAMPLE						
981690-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	3.0	PPM	2	Gordon L.
981690-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

WWTRS

12-1-98

13.6°C Temp

7.1 pH

12-2-96

13.2°C Temp

7.0 PH

WATKS

12/3/98

13.4 °C Temp

WWTPs

7.1 pH

KOPPERS
INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Telephone: 503-286-3681
Fax: 503-285-2831

December 28, 1998

Amos S. Kamerer
Koppers Industries, Inc.
7540 NW Saint Helens Rd.
Portland, Or 97210

Sir:

On December 25, 1998, Ron Eaton did a full walk though inspection of plant operations. Due to rainfall of the last 24 hours and resulting snow and ice melt, he found the lower tank farm flooding, all waste water tanks overflowing, and rain still falling.

If this situation continues, we will sustain further damage than we already have to the pumps and other equipment. Due to this situation, we have started pumping the overflow of rainwater directly to the plant outfall. We will continue this until we are out of danger. We sampled the waste water tanks and requested rush analysis.

Sincerely,

T.J. Turner
General Foreman

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*
(2-16)

101003	001
PERMIT NUMBER	DISCHARGE NUMBER

(17-19)

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	11	01	TO	98	11	30
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
Flow	SAMPLE MEASUREMENT	30,333		GPD					0	N/A	Est.
	PERMIT REQUIREMENT										
Temp	SAMPLE MEASUREMENT				14	14	15	°C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.8	7.0	7.1	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				N.D.	1.7	2.6	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
Phenols	SAMPLE MEASUREMENT			S/B	.1 N.D.	.1 N.D.	.1 N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R. D. Collins, V. P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503 286-3681	98	12	04
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Four (4) quarterly grab samples are attached.

cc: J. Holtrop-City of Portland, T.I. Self-KII

Koppers014756

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH Nov. YEAR 98

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping	#DAYS IN MONTH	TOTAL	G.P.D.
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS	~~Pumps~~/Day			DISCHARGE
# OF PUMPINGS	111	111	111	111	111	111		1			
GALS.PUMPED	135,000	135,000	135,000	135,000	60,000	60,000		250,000	30	910,000	30333

SAMPLE CONCENTRATION LEVELS

																LIMITS						
																min.	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	15	14	15	14	14	14													14	14	15	°F
PH	6.8	6.9	7.0	7.1	6.9	7.0										6.0		9.0	6.8	7.0	7.1	SU
OIL & GREASES	2.6	ND	2.6													0	10	15	N.D.	1.7	2.6	MG/L
PHENOLS	.1															0	.5	.7	.1	.1	.1	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN N/A

RESULTS
(MUST BE LESS THAN 1000)

Koppers014757

KOPPERS
INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Telephone: 503-286-3681
Fax: 503-285-2831

November 20, 1998

Amos S. Kamerer
Koppers Industries, Inc.
7540 NW Saint Helens Rd.
Portland, Or 97210

Dear Sir:

On this date Brad Harwood did a full walk though inspection of plant operations and found the lower tank farm flooding, all waste water tanks overflowing, and rain still falling.

If this situation continues, we will sustain further damage than we already have to the pumps, motors and other equipment. Due to this situation, we started pumping the overflow of rainwater directly to the plant outfall. We will continue this until we are out of danger.

Sincerely,

T.J. Turner
General Foreman

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

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☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: T.J. Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Diesel
	WWTP-S		11-20	1530	X

Relinquished By:	Received By:	Date/Time
Signature: T. Turner	Signature: Richard D Rea	11/20/98 1604
Printed Name: T. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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CI Form 100 (COC) Rev B

Koppers014759

WWTKS

pH 7.0

Temp 14.7°C

11-20-98

11/21/98

pH 7.1

Temp 14.°C

WW TKS

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/20/98

PROJECT NAME: WWTks

CT SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981651-001		11/20/98	1530	WWTk Grab

REPORT DATE: 11/20/98 REPORT NUMBER: 981651 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTk Grab						
981651-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon I.

REVIEWED BY:

Richard D. Reid - Laboratory Director

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 N W ST Helens Rd
Portland, Or 97210

Phone: (503) 2863681

FAX: (503) 2852831

Sampler: JJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Oil Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTKS.		11-23-98	1400	*

Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	11/23/98
Printed Name: JJ Turner	Printed Name:	1415
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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CI Form 100 (COC) Rev B

Koppers014763

11/24/98

WWTKS

Temp 14°C

P.H. 6.9

11-25-98

W/ Bo

13.9°C Temp

7.0 PH

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/21/98

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981660-001		11/23/98	1400	WWTKS WASTE WATER GRAB SAMPLE

REPORT DATE: 11/24/98 REPORT NUMBER: 981660 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTKS WASTE WATER GRAB SAMPLE						
981660-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.6	PPM	2	Gordon I.

REVIEWED BY: _____
Martin Little - Laboratory Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

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☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind

Attention: Amos Kamerer

Address: 7540 NW 5T Helens Rd
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Phenols
	WWTKs		11-3-98	1500	X	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	11/4/98 1305
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014767

PH 6.8

Tem at 57F 15°C

w/ TKS

11-5-98

WW TKS
11-6-98
pH 6.9
Temp 14 C

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/04/98

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981554-001		11/03/98	1500	WASTE WATER TANK GRAB SAMPLE
981554-001		11/03/98	1500	WASTE WATER TANK GRAB SAMPLE

REPORT DATE: 11/05/98 REPORT NUMBER: 981554 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER TANK GRAB SAMPLE						
981554-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.6	PPM	2	Gordon L.
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.1	PPM	0.05	Abigail K.

REVIEWED BY: Martin Little
Martin Little - Laboratory Manager

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210
FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	*(17-19)* DISCHARGE NUMBER
101003	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	10	01	TO	98	10	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	12,258		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				56	58	60	F	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.5	6.7	6.8	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R. D. Collins, V.P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503	286-3681	98	11	03
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Fourth quarter PAH results are attached. cc: J. Holtrop-City of Portland, T.I. Self-KII

Koppers014771

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH Oct YEAR 1998

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping	#DAYS IN MONTH	TOTAL GAL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS	80,000/DAY			
# OF PUMPINGS	1	1	1	1	1	1		2			
GALS.PUMPED	45,000	45,000	45,000	45,000	20,000	20,000		160,000	31	380,000	12,258

SAMPLE CONCENTRATION LEVELS

													LIMITS			MIN.	AVG.	MAX.	UNIT
													min	AVG.	max				
TEMPERATURES	60	56	58													56	58	60	°F
PH	6.5	6.8	6.8										6.0		9.0	6.5	6.7	6.8	SU
OIL & GREASES	NO												0	10	15	N/D	N/D	N/D	MG/L
PHENOLS	NO												0	.5	.7	N/D	N/D	N/D	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 10 \ 13 \ 98 RESULTS 948.38 (MUST BE LESS THAN 1000)

Koppers014772

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 10/13/98

PROJECT NAME: QUARTERLY WASTEWATER TEST

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981431-001		10/13/98	0800	WWTks
981431-001		10/13/98	0800	WWTks
981431-001		10/13/98	0800	WWTks

REPORT DATE: 10/14/98 REPORT NUMBER: 981431

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks						
981431-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.
981431-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K.
981431-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	4.9	ug/l	0.05	Jacob F.
		ACENAPHTHYLENE	1.7	ug/l	0.05	
		ANTHRACENE	5.4	ug/l	0.05	
		BENZO(A)ANTHRACENE	66.	ug/l	0.05	
		BENZO(A)PYRENE	144.	ug/l	0.2	
		BENZO(B)FLUORANTHENE	100.	ug/l	0.2	
		BENZO(GHI)PERYLENE	99.	ug/l	0.5	
		BENZO(K)FLUORANTHENE	100.	ug/l	0.2	
		CHRYSENE	73.	ug/l	0.05	
		DIBENZO(AH)ANTHRACENE	52.	ug/l	0.3	

REVIEWED BY: Richard D. Reid - Laboratory Director

Koppers014773

CERTIFICATE OF ANALYSIS

REPORT DATE: 10/14/98 REPORT NUMBER: 981431

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks						
981431-001	PNAH 2	FLUORANTHENE	52.	ug/l	0.05	Jacob F.
	EPA 625 (SIM)	FLUORENE	3.9	ug/l	0.05	
		INDENO(1,2,3-CD)PYRENE	180.	ug/l	0.4	
		NAPTHALENE	0.48	ug/l	0.05	
		PHENANTHRENE	18.	ug/l	0.05	
		PYRENE	48.	ug/l	0.05	
			948.4			
		SURROGATE	68%	% RECOVERY	50%-150%	

KOPPERS
INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Telephone: 503-286-3681
Fax: 503-285-2831

October 14, 1998

Amos S. Kamerer
Koppers Industries, Inc.
7540 NW Saint Helens Rd.
Portland, Or 97210

Dear Sir:

On this date I have done a full walk thought inspection of plant operations and I find the lower tank farm flooding, all waste water tanks overflowing, and rain still falling.

If this situation continues, we will sustain further damage than we already have to the pumps, motors and other equipment. Due to this situation, I started pumping the overflow of rainwater directly to the plant outfall. We will continue this until we are out of danger.

Sincerely,

T.J. Turner
General Foreman

10-12-98
WW Tanks
P.H. 6.8
Temp 58°F

10-15-98

Temp 56°F

pH 6.8

WW TKS

10-14-98
WWTKS

pH 6.5

Temp 60°F

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☒ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.

Attention: Amos Hamerer

Address: 7540 NW St Helens Rd
Portland OR 97210

Phone: (503) 2863681

FAX: 503) 2852831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Phenols
Oil-Grease
PAH

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time
	WWTKS		10-13-98	0800

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	*Signature:* Richard Ward	10/13/98 0855
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014779

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16)	*(17-19)*
101003	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	09	01	TO	98	09	30
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	7,333		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				61	65	68	F	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
PH	SAMPLE MEASUREMENT				6.8	6.9	7.0	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.05	.05	.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R. D. Collins, V. P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503 | 286-3681		98	10	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Third quarter PAH results are attached.

cc: J. Holtrop-City of Portland, T.I. Self - KII

Koppers014780

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH Sept YEAR 98

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping	#DAYS IN MONTH	TOTAL	G.P.D.
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS	80,000/day		ALL	DISCHARGE
# OF PUMPINGS	1	1	1	1	1	1					
GALS.PUMPED							220,000		30		7,333

SAMPLE CONCENTRATION LEVELS

											LIMITS						
											Min.	Avg.	Max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	66	68	61											61	65	68	°F
PH	6.8	7.0	6.9								6.0		9.0	6.8	6.9	7.0	SU
OIL & GREASES	ND										0	10	15	ND	ND	ND	MG/L
PHENOLS	.05										0	.5	.7	.05	.05	.05	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 9/18/98

RESULTS 571.6
(MUST BE LESS THAN 1000)

Koppers014781

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 09/18/98 PO#:

PROJECT NAME: WWTks 1 Through 6

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
981304-001		09/18/98	1300	WWTks (1-6)
981304-001		09/18/98	1300	WWTks (1-6)

REPORT DATE: 09/22/98 REPORT NUMBER: 981304 PAGE: 1 OF 2

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks (1-6)						
981304-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.
981304-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.052	PPM	0.05	Abigail K.
981304-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	10.0	ug/l	0.05	Jacob F.
		ACENAPHTHYLENE	8.4	ug/l	0.05	
		ANTHRACENE	5.6	ug/l	0.05	
		BENZO(A)ANTHRACENE	41.	ug/l	0.05	
		BENZO(A)PYRENE	73.	ug/l	0.2	
		BENZO(B)FLUORANTHENE	55.	ug/l	0.2	
		BENZO(GHI)PERYLENE	63.	ug/l	0.5	
		BENZO(K)FLUORANTHENE	55.	ug/l	0.2	
		CHRYSENE	47.	ug/l	0.05	
		DIBENZO(AH)ANTHRACENE	12.	ug/l	0.3	
		FLUORANTHENE	44.	ug/l	0.05	

REVIEWED BY: Richard O. Reid - Laboratory Director

CERTIFICATE OF ANALYSIS

REPORT DATE: 09/22/98 REPORT NUMBER: 981304 PAGE: 2 OF 2

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
MWTks (1-6)						
981304-001	PNAH 2	FLUORENE	9.7	ug/l	0.05	Jacob F.
	EPA 625 (SIM)	INDENO(1,2,3-CD)PYRENE	79.	ug/l	0.4	
		NAPTHALENE	1.9	ug/l	0.05	
		PHENANTHRENE	24.	ug/l	0.05	
		PYRENE	43.	ug/l	0.05	
			571.6			
		SURROGATE	67%	% RECOVERY	50%-150%	

9-24-98

WW TKS

7.0 pH

~~20°C~~ Temp

68°F

WWTUs

9-23-98

6.8 PH

~~F~~ C Temp

66F

9/25/98
WWTKs

Temp 61°F

PH 6.9

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 Nw ST Helens Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	P.A.H.	Oil-Grease	Total Phenols
	WWTKs (1-6)	WW	9/18/98	1300	X	X	X

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	Signature: Rich Oland	9/18/98 1400
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014787

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	*(17-19)* DISCHARGE NUMBER
101003	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	08	01	TO	98	08	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R. D. Collins, V.P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503	286-3681	98	09	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Nothing to report, no discharges during the month.

EPA Form 3320-1 (08-95) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

J. Holtrop-City of Portland; T.I. Self-KII

Koppers014788

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location (if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16)	*(17-19)*
101003	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	07	01	TO	98	07	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING			*(4 Card Only)* QUANTITY OR CONCENTRATION				NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
		AVERAGE *(46-53)*	MAXIMUM *(54-61)*	UNITS	MINIMUM *(38-45)*	AVERAGE *(46-53)*	MAXIMUM *(54-61)*	UNITS			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R. D. Collins, V.P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503 (AREA CODE)	286-3681 (NUMBER)	98 (YEAR)	08 (MO)	03 (DAY)
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Nothing to report, no discharges during the month.

Koppers014789

EPA Form 3320-1 (08-95) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

J. Holtrop-City of Portland; T.I. Self-KII

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*
(2-16) *(17-19)*

101003	001
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	06	01	TO	98	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	7330		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP.	SAMPLE MEASUREMENT				63	64	65	F	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.8	6.85	6.9	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				2.8	2.8	2.8	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.12	.12	.12	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R. D. Collins, V.P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503 286-3681	98	07	01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Koppers014790

cc: J. Holtrop-City of Portland, T.I. Self-KII

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH June YEAR 98

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # of TANKS	Days of Emergency Pumping 80,000/day	#DAYS IN MONTH	TOTAL GAL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	1	1	1	1	1	1					
GALS.PUMPED										220,000	7,333

SAMPLE CONCENTRATION LEVELS

	WWT-1		WWT-2		WWT-3		WWT-4		WWT-5		WWT-6		TOTAL				LIMITS Min	LIMITS Avg.	LIMITS Max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	63	65																		63	64	65	°F
PH	6.8	6.9															6.0		9.0	6.8	6.85	6.9	SU
OIL & GREASES	2.8																0	10	15	2.8	2.8	2.8	MG/L
PHENOLS	.12																0	.5	.7	.12	.12	.12	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _____ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014791

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 06/24/98 PO#:

PROJECT NAME: WWTks 2-4-6

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980900-001-01		06/24/98	1100	Wastewater from Tks 2-4-6
980900-001-02		06/24/98	1100	Wastewater from Tks 2-4-6

REPORT DATE: 06/25/98 REPORT NUMBER: 980900 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Wastewater from Tks 2-4-6						
980900-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.8	PPM	2	Gordon L.
980900-001-02	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.12	PPM	0.05	Abigail K.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

6-26-98
MW 2/4/6

6.9 PH

65°F Temp

6-25-98

WW 7/2 S 24-6

PH 6.8

Temp 63°F

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

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Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW ST Helens Rd
Portland OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Phenols	Analyses To Be Performed: Oil-Grease
	WWTKS 2-4-6		6-24-98	1100	X	X

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	Signature:	
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature: Richard Kent	6/24/98 1140
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy.

CI Form 100 (COC) Rev B

Koppers014795

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME Koppers Industries, Inc.
ADDRESS 9640 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
101003	001

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	05	01	TO	98	05	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-65)	FREQUENCY OF ANALYSIS (66-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	21,903		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP.	SAMPLE MEASUREMENT				59	60	61	F	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				7.0	7.0	7.1	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.5	2.4	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.05	.05	.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
R. D. Collins, V. P.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 6 years.)

Amos B. Kamerer, Plt Mgr
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
503	286-3681	98	05	04
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

EPA Form 3320-1 (08-95) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.) PAGE 1 OF 1

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH MAY YEAR 98

FLOW

	WWT-1		WWT-2		WWT-3		WWT-4		WWT-5	WWT-6	TOTAL # of TANKS	Days of Emergency Pumping 80,000/day	#DAYS IN MONTH	TOTAL MAY	G.P.D. DISCHARGE
GLS. PER TANK	45,000		45,000		45,000		45,000		20,000	20,000					
# OF PUMPINGS	111		111		111		111		111	111					
GALS.PUMPED	135,000		135,000		135,000		135,000		60,000	60,000			31	660,000	21,903

SAMPLE CONCENTRATION LEVELS

																LIMITS						
																min.	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	60	60	60	59	61	61													59	60	61	°F
PH	7.0	7.0	7.0	7.1	7.0	7.0										6.0		9.0	7.0	7.0	7.1	SU
OIL & GREASES	2.1	2.4			ND											0	10	15	N.D.	1.5	2.4	MG/L
PHENOLS	.05															0	.5	.7	.05	.05	.05	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN \ N/A RESULTS

(MUST BE LESS THAN 1000)

Koppers014797

5-29-99
WW Tks 2, 46
Temp 61°F
PH 7.0

5-28-98

PH 7.0

Temp 61°

WWTKS

2-4-6

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

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Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kantcker

Address: 7540 NW St Helens Rd
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Oil-Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTKS 2-4-6		5.27.98	0900	X

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	Signature: Richard Read	5/27/98 0933
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014800

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/27/98

PO#:

PROJECT NAME:

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980765-001-01		05/27/98	0900	NW TKS 2.4.6

REPORT DATE: 05/28/98 REPORT NUMBER: 980765 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
NW TKS 2.4.6						
980765-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

5-22-98

WWTks

PH 7.1

Temp 60°F

3/21/98

Ph 7.0

Temp 59°F

W W Tks

5-20-98

W W TKC 1-3-5

PH 7.0

Temp 60°F

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd. Portland, Or 97210

Phone: (503) 286 3681

FAX: (503) 285 7831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil & Grease
	WWTKS 1-3-5		5/19/98	1000	X

Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	5/19 1420
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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CI Form 100 (COC) Rev B

Koppers014805

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/19/98

PO#:

PROJECT NAME: NW TKS 1,3,5

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980726-001-01		05/19/98	1000	

REPORT DATE: 05/20/98 REPORT NUMBER: 980726 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
NW Tks 1,3,5 980726-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.4	PPM	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

Koppers014806

5-15-98

WWTKS 2-4-6

PH 7.0

Temp 60 °F

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☒ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW ST Helens Rd
Portland, OR 97210

Phone: ( ) 286-3681

FAX: ( ) 285 1831

Sampler: _____ ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority / Notification Method(s)

☐ Standard ☐ Telephone

☒ Rush ☐ FAX

Due Date ASAP ☐ Mail

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Phenols	Analyses To Be Performed: Oil-Grease
	WO TKS 2-4-C		5/13/98		X	X

Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	5/13/98 1445
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014808

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/13/98

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980700-001-01		05/13/98	1430	WW TANKS 2,4,6 GRAB SAMPLE
980700-001-02		05/13/98	1430	WW TANKS 2,4,6 GRAB SAMPLE

REPORT DATE: 05/15/98 REPORT NUMBER: 980700 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TANKS 2,4,6 GRAB SAMPLE						
980700-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.1	PPM	2	Gordon L.
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	<0.05	PPM	0.05	Abigail K.

REVIEWED BY: _____
Martin Little - Laboratory Manager

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW St Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
101003	001

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	04	01	TO	98	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

file copy

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Flow	SAMPLE MEASUREMENT	7,333		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
Temp.	SAMPLE MEASUREMENT				58	59	59	°F	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.8	6.9	6.9	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				5.4	5.4	5.4	MG/L	0	1/70	GRAB
	PERMIT REQUIREMENT				0	10	15				
Phenols	SAMPLE MEASUREMENT				.05	.05	.05	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, V.P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, PLT MGR	503	286-3681	98	05	07
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Second quarter PAH results are attached.

EPA Form 3320-1 (08-95) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE 1 OF 1

cc: J. Holtrop-City of Portland, T.J. Self-KII

Koppers014810

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH April YEAR 98

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping	#DAYS IN MONTH	TOTAL	G.P.D.
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS	80,000/DAY		ALL	DISCHARGE
# OF PUMPINGS	1	1	1	1	1	1			30		
GALS.PUMPED										220,000	7333

SAMPLE CONCENTRATION LEVELS

													LIMITS						
													min.	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	58	58	59													58	59	59	°F
PH	6.8	6.9	6.9										6.0		9.0	6.8	6.9	6.9	SU
OIL & GREASES	5.4												0	10	15	5.4	5.4	5.4	MG/L
PHENOLS	.05												0	.5	.7	.105	.105	.05	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 4\28\98

RESULTS 339.48
(MUST BE LESS THAN 1000)

Koppers014811

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 04/23/98

PROJECT NAME: TANK 1-3-5 WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980581-001-01		04/23/98	1300	TANK 1-3-5 WASTE WATER GRAB SAMPLE
980581-001-02		04/23/98	1300	TANK 1-3-5 WASTE WATER GRAB SAMPLE
980581-001-03		04/23/98	1300	TANK 1-3-5 WASTE WATER GRAB SAMPLE

REPORT DATE: 04/28/98 REPORT NUMBER: 980581 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
TANK 1-3-5 WASTE WATER GRAB SAMPLE						
980581-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	5.4	PPM	2	Gordon I.
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	<0.05	PPM	0.05	Abigail K.
	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	2.5	ug/l	0.05	Jacob I.
		ACENAPHTHYLENE	0.24	ug/l	0.05	
		ANTHRACENE	2.3	ug/l	0.05	
		BENZO(A)ANTHRACENE	26	ug/l	0.05	
		BENZO(A)PYRENE	45	ug/l	0.2	
		BENZO(B)FLUORANTHENE	36	ug/l	0.2	
		BENZO(GHI)PERYLENE	34	ug/l	0.5	
		BENZO(K)FLUORANTHENE	36	ug/l	0.2	
		CHRYSENE	29	ug/l	0.05	
		DIBENZO(AH)ANTHRACENE	5.8	ug/l	0.3	
		FLUORANTHENE	31	ug/l	0.05	
		FLUORENE	1.4	ug/l	0.05	
		INDENO(1,2,3-CD)PYRENE	47	ug/l	0.4	
		NAPTHALENE	0.24	ug/l	0.05	
		PHENANTHRENE	12	ug/l	0.05	
		PYRENE	30	ug/l	0.05	
			339.43			
		SURROGATE	109%	% RECOVERY	50%-150%	

REVIEWED BY: Martin Little - Laboratory Manager

4/30/98

WWTHS 1-3-5

PH 6.9

Temp 59°F

4/29/48

WWTLS 1/3/5

58° Temp

6.9 PH

4-28-98
WWTKS 1-3-5
pH 6.8
Temp 58°F

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

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- ☐ 613 Escobar Street, Martinez, CA 94553 — Ph: (510) 229-0360 Fax: (510) 229-2821
- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd.
Portland Or 97210
Phone: (503) 286 3681
FAX: (503) 2852831
Sampler: T J Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Standard ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease	Phenols	P.A.H.
	WWTKC		4-23-98	1300	X	X	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature:	4-23-98 1400
Printed Name: T J Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature: [signature]	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014816

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW St Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

101003 (2-16)	001 (17-19)
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98 (20-21)	03 (22-23)	01 (24-25)	TO	98 (26-27)	03 (28-29)	31 (30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
Flow	SAMPLE MEASUREMENT	21,290		GPD							EST.
	PERMIT REQUIREMENT										
Temp.	SAMPLE MEASUREMENT				52	55	58	°F			GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.9	7.0	7.1	SU			GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				2.5	3.8	4.1	MG/L			GRAB
	PERMIT REQUIREMENT				0	10	15				
Phenols	SAMPLE MEASUREMENT				.13	.13	.13	MG/L			GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, V.P.	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos E. Kamerer, PLT MGR	503 (AREA CODE)	286-3681 (NUMBER)	98 (YEAR)	04 (MO)	23 (DAY)
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Koppers014817

cc: J. Holtrop - City of Portland, T.T. Self - KII

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH March YEAR 98

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL OF TANKS	Days of Emergency Pumping 80,000/day	#DAYS IN MONTH	TOTAL ALL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	III	III	III	III	III	III			31		
GALS.PUMPED	135,000	135,000	135,000	135,000	60,000	60,000		N/A		660,000	21,290

SAMPLE CONCENTRATION LEVELS

								LIMITS min	LIMITS AVG.	LIMITS max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	52	52	54	56	56	57	58				52	55	58	°F
PH	6.9	7.0	7.0	7.0	7.1	7.0	7.1	6.0		9.0	6.9	7.0	7.1	SU
OIL & GREASES	9.1	4.8	2.5					0	10	15	2.5	3.8	4.1	MG/L
PHENOLS	.13							0	.5	.7	.13	.13	.13	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN N/A RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014818

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 3-2-98 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kanerer
Address: 7540 NW St Helens Rd Portland, OR 97210
Phone: (503) 286 3681
FAX: (503) 2852831
Sampler: TJ Tanner ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil Grease, Total Phenols
	WWTKS 2-4-6		3-2-98	1100	X

Relinquished By:	Date/Time	Received By:	Date/Time
TJ Tanner	3-2-98 1315		
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time 3/2/98 1315

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014819

3.5.98

PH 7.0

Temp 54°F

WWTKS

3-4-98

WWTPs

Temp 52°F

PH 7.0

3-3-98

WWTUS

52°F

6.9 PH

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/01/98

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980280-001-01		03/02/98	1100	WW TANKS 2, 4, 6
980280-002-01		03/02/98	1100	WW TANKS 2, 4, 6

REPORT DATE: 03/02/98 REPORT NUMBER: 980280 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TANKS 2, 4, 6						
980280-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	4.1	PPM	2	Abigail K.
WW TANKS 2, 4, 6						
980280-002-01	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.13	PPM	0.05	Abigail K.

REVIEWED BY: _____
Martin Little - Laboratory Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd.
Portland OR 97210

Phone: (503) 2863681

FAX: (503) 2852831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WWTKS 1-3-5		3-11-98	1230	X

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	Signature:	
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature: Richard Ward	3/11/98 1425
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014824

3-13-98

WWTRS

Temp 56°F

PH 7.1

3-12-98

WWTKS

Temp 56°F

PH. 7.0

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/11/98

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980363-001-01		03/11/98	1230	Tks 1-3-5 WASTE WATER GRAB SAMPLE

REPORT DATE: 03/12/98 REPORT NUMBER: 980363 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Tks 1-3-5 WASTE WATER GRAB SAMPLE						
980363-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	4.8	PPM	2	Gordon I.

REVIEWED BY: _____
Martin Little / Laboratory Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.

Attention: Amos Kamerer

Address: 7540 NW ST Helens Rd, Portland Or 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil-Grease
	WW TKS 2-4-6		3/23/98	0930	X

Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name: T.J. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	3/23/98 1315
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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CI Form 100 (COC) Rev B

Koppers014828

3-25-98

WW TKS

PH 7.1

Temp 58°F

3-24-98

WWTKS

7.0 PH

Temp 57°F

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/23/98

PO#:

PROJECT NAME: WWTKS 2-4-6

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980419-001-01		03/23/98	0930	Wastewater Grab from Tks 2-4-6

REPORT DATE: 03/24/98 REPORT NUMBER: 980419 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
Wastewater Grab from Tks 2-4-6						
980419-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.5	PPM	2	Dick R.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

FROM :KOPPERS ENVIRO/LEGAL 412 227 2423 1998,04-24 10:31 #762 P.01/01

KOPPERS INDUSTRIES INC

ESS 7540 NW ST HELENS RD
PORTLAND, OR 97210

ITY NW TERMINAL
TION MULTNOMAH CO.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

PERMIT NUMBER (2-7R)	DISCHARGE NUMBER (17-19)
101003	001

3077-J

47430

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	02	01	TO	98	02	28
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	MAXIMUM (54-61)	UNITS	QUANTITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
LOW	SAMPLE MEASUREMENT	31,420		GPD					0	N/A	EST
	PERMIT REQUIREMENT										
TEMP.	SAMPLE MEASUREMENT				49	52	57	oF	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.8	7.0	7.1	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				2.1	3.3	4.4	mg/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.05	.05	.05	mg/L	0	1/30	GRAB
	PERMIT REQUIREMENT				N/A	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

TITLE PRINCIPAL EXECUTIVE OFFICER

R.D. COLLINS, V.P.
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

NTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

MIKE S. KAMERER, PLT MGR
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
503	286	3681	98	03	02
AREA CODE	NUMBER		YEAR	MO	DAY

(3320-1 (08-95) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

CC: JOHN HOLTROP-CITY OF PORTLAND W.E.SWEARENGEN-KII

PAGE 1 OF 1

Koppers014832

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH Feb. YEAR 98

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL OF TANKS	Days of Emergency Pumping 80,000/day	#DAYS IN MONTH	TOTAL 1211	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	1111	1111	1111	1111	1111	1111					
GALS.PUMPED	180,000	180,000	180,000	180,000	80,000	80,000			28	880,000	31,429

SAMPLE CONCENTRATION LEVELS

																LIMITS min	LIMITS AVG.	LIMITS max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	49	50	51	57	57	51	51	52	51	52									49	52	57	°F
PH	6.8	6.9	7.0	6.9	7.0	7.1	7.0	7.0	7.0	7.1						6.0		9.0	6.8	7.0	7.1	SU
OIL & GREASES	2.1			2.4		4.4		4.1								0	10	15	2.1	3.3	4.4	MG/L
PHENOLS	.05															0	.5	.7	.05	.05	.05	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN N/A

RESULTS _____
(MUST BE LESS THAN 1000)

Koppers014833

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/02/98

PROJECT NAME: TANKS 2-4-6 WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980124-001-01		02/02/98	1300	TANKS 2-4-6 WASTE WATER GRAB SAMPLE
980124-001-02		02/02/98	1300	TANKS 2-4-6 WASTE WATER GRAB SAMPLE

REPORT DATE: 02/03/98 REPORT NUMBER: 980124 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
TANKS 2-4-6 WASTE WATER GRAB SAMPLE						
980124-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.1	PPM	2	Gordon L.
TANKS 2-4-6 WASTE WATER GRAB SAMPLE						
980124-001-02	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	<0.05	PPM	0.05	Abigail K.

REVIEWED BY: _____
Martin Little - Laboratory Manager

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/11/98 PO#:

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980160-001-01		02/10/98	1300	TANKS 1-3-5 WASTE WATER GRAB SAMPLE

REPORT DATE: 02/11/98 REPORT NUMBER: 980160 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
TANKS 1-3-5 WASTE WATER GRAB SAMPLE						
980160-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.4	PPM	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

Koppers014835

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/18/98 PO#:

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980204-001-01		02/18/98	1600	TANKS 2-4-6 WASTE WATER GRAB SAMPLE

REPORT DATE: 02/19/98 REPORT NUMBER: 980204 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
TANKS 2-4-6 WASTE WATER GRAB SAMPLE						
980204-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	4.4	PPM	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

Koppers014836

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES. INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/24/98 PO#:

PROJECT NAME: W W TKS 1-3-5

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980243-001-01		02/24/98	1100	WW Tks 1-3-5 GRAB SAMPLE

REPORT DATE: 02/25/98 REPORT NUMBER: 980243 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW Tks 1-3-5 GRAB SAMPLE						
980243-001-01	O&G. TOTAL. GRAV EPA 413.1/9070	TOTAL OIL & GREASE	4.1	PPM	2	Gordon L.

REVIEWED BY:
Richard D. Reid - Laboratory Director

2-23-98

7.1 Ph

Temp 52°F

WWTKS

2-27-96

WWTKS

Temp 52°F

7.0 PH

2-26-98
WWTKS
7.0 PL
Emp 51°F

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 2-24-98 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd
Portland Or 97210
Phone: (503) 286 3681
FAX: (503) 283 2831
Sampler: T.J. Turner ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil-Grease
	WW TKS 1-3-5		2-24-98	1100	X

Relinquished By:	Date/Time	Received By:	Date/Time
T.J. Turner	2-24-98 1500		
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time 2/24/98 1510

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014841

2-19-98

W WTKS

7.0 PH

51°F

2-20-98

WW Tks

ph 7.1

51° F

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd Portland, Or 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: T.J. Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: Asap

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	01-Creosote
	WWTKS 2-4-C		2-18-98	1600	X

Relinquished By: Signature: T.J. Turner Printed Name: T.J. Turner	Received By: Signature: Printed Name:	Date/Time
Relinquished By: Signature: Printed Name:	Received By: Signature: Printed Name:	Date/Time 2/18/98 1625

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014844

WW TKS 1, 3, 5

2-12-98

PH- 7.0

Temp, 57 F

2-11-98

WW TKs 1-3-5

PH- 6.9

Temp 57°F

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 2-10 98 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Portland Or 97210
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: TJ Turner ☑ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil - Grease
	WWTKS 1-3-5		2-10 98	1300	X

Relinquished By:	Date/Time	Received By:	Date/Time
T. Turner	2/10/98		
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time 2/10/98 1550

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014847

WWTKS

2-5-98

PH 7.0

51 °F

2-4-98

WWTKS

PH 6-9

50°F

2-2-98

WW TKS

2, 4, 6

PH 6.8

Temp 49 F.

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW ST Helens Rd
Portland OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil & Grease	Analyses To Be Performed: Phenols
	WWTKS 2-4-6		2-2-98	1300	X	X

Relinquished By: *Signature:* TJ Turner Printed Name: TJ Turner	Received By: *Signature:* Printed Name:	Date/Time 2-2-98 1400
Relinquished By: *Signature:* Printed Name:	Received By: *Signature:* Printed Name:	Date/Time 2/2/98 1400

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014851

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME KOPPERS INDUSTRIES INC.
ADDRESS 7540 NW ST HELENS RD
PORTLAND, OR 97210
FACILITY MW TERMINAL
LOCATION MULTNOMAH CO.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

101003	001	3077-J / 47430
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*	

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM / TO	98	01	01	TO	98	01	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	21290		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				38	45	56	°F	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.9	7.0	7.0	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0	—	9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	2.1	4.2	mg/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.15	.15	.15	mg/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.1				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D.COLLINS, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	AMOS S. KAMERER, PLT. MGR	503 286 3681	98	02	10
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

FIRST QUARTER PAH RESULTS ARE ATTACHED

Koppers014852

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH JAN YEAR 98

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping	#DAYS IN MONTH	TOTAL All	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	of TANKS	80,000/Day			
# OF PUMPINGS	111	111	111	111	111	111		0			
GALS.PUMPED	135,000	135,000	135,000	135,000	60,000	60,000			31	660,000	21,290

SAMPLE CONCENTRATION LEVELS

																	LIMITS						
																	Min	Avg.	Max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	38	40	56																	38	45	56	°F
PH	7.0	6.9	7.0														6.0		9.0	6.9	7.0	7.0	SU
OIL & GREASES	NO	4.2	2.0														0	10	15	N.O.	2.1	4.2	MG/L
PHENOLS	.15	–															0	.5	.7	.15	.15	.15	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 1 \ 22 \ 98

RESULTS 229.05
(MUST BE LESS THAN 1000)

Koppers014853

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 01/14/98

PO#:

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980046-001-01		01/14/97	1300	TKS 2,4,6 WASTE WATER GRAB SAMPLE

REPORT DATE: 01/15/98 REPORT NUMBER: 980046 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
TKS 2,4,6 WASTE WATER GRAB SAMPLE						
980046-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	4.2	PPM	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

Koppers014854

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 01/03/98

PO#:

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980012-001-01		01/05/98	1400	TANKS 1,3,5 WASTE WATER SAMPLE
980012-001-02		01/05/98	1400	TANKS 1,3,5 WASTE WATER SAMPLE

REPORT DATE: 01/06/98 REPORT NUMBER: 980012 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
TANKS 1,3,5 WASTE WATER SAMPLE 980012-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.
TANKS 1,3,5 WASTE WATER SAMPLE 980012-001-02	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.15	PPM	0.05	Abigail K.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

Koppers014855

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 01/21/98

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
980076-001-01		01/21/98	1315	TANKS 1-3-5 WASTE WATER GRAB SAMPLE
980076-001-02		01/21/98	1315	TANKS 1-3-5 WASTE WATER GRAB SAMPLE

REPORT DATE: 01/22/98 REPORT NUMBER: 980076 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
TANKS 1-3-5 WASTE WATER GRAB SAMPLE						
980076-001-01	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.0	PPM	2	Gordon T.
TANKS 1-3-5 WASTE WATER GRAB SAMPLE						
980076-001-02	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	17	ug/l	0.05	Jacob F.
		ACENAPHTHYLENE	4.7	ug/l	0.05	
		ANTHRACENE	10	ug/l	0.05	
		BENZO(A)ANTHRACENE	19	ug/l	0.05	
		BENZO(A)PYRENE	19	ug/l	0.2	
		BENZO(B)FLUORANTHENE	11	ug/l	0.2	
		BENZO(GHI)PERYLENE	22	ug/l	0.6	
		BENZO(K)FLUORANTHENE	11	ug/l	0.2	
		CHRYSENE	19	ug/l	0.05	
		DIBENZO(AH)ANTHRACENE	ND	ug/l	0.3	
		FLUORANTHENE	23	ug/l	0.05	
		FLUORENE	12	ug/l	0.05	
		INDENO(1,2,3-CD)PYRENE	32	ug/l	0.4	
		NAPTHALENE	0.35	ug/l	0.05	
		PHENANTHRENE	10	ug/l	0.05	
		PYRENE	19	ug/l	0.05	
			229.05			
		SURROGATE	76%	% RECOVERY	50%-150%	

REVIEWED BY: _____
Martin Little Laboratory Manager

Koppers014856

1-22-98

WWTKS 1-3-5

PH 7.0

Temp 56°F

Columbia Inspection, Inc.

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 1-21-98 Page 1 of 1

Portland Office

7133 North Lombard Street, Portland, OR 97203

Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc

Attention: 7540 NW St Helens Rd

Address: Portland, OR 97210

Amos Kanerek

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name:

Project Number:

Testing Priority: ☐ Normal ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease	PAH														
	WWTKS 1-3-5		1-21-98	1315	X	X														

Relinquished By:	Date/Time	Received By:	Date/Time
T Turner	1-21-98 1300		
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time 1/21/98 1300

FOR LABORATORY USE ONLY

Inspection Sample Number:

Laboratory Project Number:

Due Date:

Sample Disposition: ☐ Normal ☐ Special

Method of payment

PO #

☐ Credit

☐ Cash/Check #

Amount Paid $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014858

WW TKS 2, 4, 6

1-15-98

PA-6.9

Temp 40°

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 1-14-98 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd
Portland, Or 97210
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: TJ Turner ☐ Submitted

Project Name:
Project Number:

Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Analyses To Be Performed: Oil/Grease

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil/Grease
	WW Tks 2,4,6		1/14/98	1300	✓

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	1/14/98 1400		
Relinquished By:	Date/Time	Received By: [signature] Columbia Inspection, Inc.	Date/Time 1/14/98 1420

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014860

1.6.98

WW TKS 1-3-5

PH 7.0

Temp 38°F

Columbia Inspection, Inc.
Laboratory • Inspection • Tank Calibration
Environmental • Petroleum • OR Certified Water Testing

CHAIN OF CUSTODY RECORD

Date 1-5-98 Page 1 of 1

Portland Office
7133 North Lombard Street, Portland, OR 97203
Phone: (503) 286-9464 FAX: (503) 285-7831

Company Name: Koppers Ind Inc
Attention: Amos Komeker
Address: 7540 NW ST Helens Rd
Portland Or 97210
Phone: 503 286 3681
FAX: 503 2852831
Sampler: TJ Turner ☑ Submitted

Project Name:
Project Number:
Testing Priority: ☐ Normal ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date ASAP

Sample id #	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Phenols	Oil-Grease
	WW TKS 1,3,5		1-5-98	1400	X	X

Relinquished By:	Date/Time	Received By:	Date/Time
Relinquished By:	Date/Time	Received By: Columbia Inspection, Inc.	Date/Time 1/5/98 445

FOR LABORATORY USE ONLY
Inspection Sample Number:
Laboratory Project Number:
Due Date:
Sample Disposition: ☐ Normal ☐ Special

Method of payment
PO #
☐ Credit
☐ Cash/Check #
Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev A

Koppers014862

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month December Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1				✓	✓	
2				✓	✓	
3	✓			✓	✓	
4	✓					
5	✓					
6	✓					
7	✓	✓				
8				✓	✓	
9				✓	✓	
10	✓					
11	✓					
12	✓					
13	✓	✓				
14	✓	✓				
15	✓				✓	
16				✓	✓	
17				✓	✓	
18	✓					
19	✓					
20	✓					
21	✓	✓				
22	✓	✓				
23	✓					
24	✓					✓
25						✓
26						✓
27	✓					
28	✓			✓	✓	
29				✓	✓	
30				✓	✓	
31				✓	✓	

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month November Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month October Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month Sept. Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	/					
2	/					
3	/					
4	/					
5	/					
6	X					
7						
8						
9	X					
10	X					
11	X					
12	/					
13	/					
14	/					
15	/					
16	/					
17	/					
18	/	/	/			
19	/					
20	/					
21	/					
22				/		
23				/	/	
24					/	
25	/				/	
26	/					
27	/					
28	/					
29	/					
30	/					
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month August Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month July Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓					
25	✓					
26	✓					
27	✓					
28	✓					
29	✓					
30	✓					
31	✓					

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month June Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓					
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓					
23	✓					
24	✓	✓	✓	✓	✓	
25				✓	✓	
26				✓	✓	
27	✓					
28	✓					
29	✓					
30	✓					
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month May Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓					
3	✓					
4	✓					
5	✓					
6	✓					
7	✓					
8	✓					
9	✓					
10	✓					
11	✓					
12	✓	✓	✓			
13	✓					
14	✓			✓	✓	
15	✓					
16	✓					
17	✓					
18	✓					
19	✓	✓		✓	✓	
20				✓	✓	
21				✓	✓	
22	✓			✓	✓	
23	✓					
24	✓					
25	✓	✓				
26	✓					
27	✓					
28				✓	✓	
29	✓			✓	✓	
30	✓					
31	✓					

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month April Year 98

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	//					
2	//					
3	//					
4	//					
5	X					
6	X					
7	X					
8	X					
9	X					
10	X					
11	X					
12	/					
13	/					
14	/					
15	/					
16	/					
17	/					
18	/					
19	/					
20	/					
21	/					
22	/					
23	//	X	X			
24	//					
25	//					
26	//					
27	/			/	/	
28				//	//	
29				//	//	
30				//	//	
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month March Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓	✓	✓			
2	✓			✓	✓	
3				✓	✓	
4				✓	✓	
5				✓	✓	
6	✓					
7	✓					
8	✓					
9	✓	✓				
10	✓	✓	✓			
11	✓	✓				
12				✓	✓	
13				✓	✓	
14	✓					
15	✓					
16	✓					
17	✓					
18	✓					
19	✓					
20	✓					
21	✓					
22	✓	✓				
23		✓				
24				✓	✓	
25				✓	✓	
26				✓	✓	
27	✓			✓	✓	
28	✓					
29	✓					
30	✓					
31	✓					

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month February Year 1998

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	✓					
2	✓	✓	✓			
3				✓	✓	
4				✓	✓	
5				✓	✓	
6	—					
7	—					
8	—					
9	—	✓				
10		✓	-			
11				✓	✓	
12	✓	✓		✓	✓	
13	✓					
14	✓					
15	✓					
16	✓					
17	✓					
18	✓	✓				
19						
20				✓	✓	
21	✓					
22	✓					
23	✓		✓			
24	✓	✓	✓			
25				✓	✓	
26				✓	✓	
27	✓			✓	✓	
28	✓					
29						
30						
31						

Koppers Industries, Inc.

NPDES Monthly Stormwater Discharge Log

Month January Year 98

Day of Month	No Discharge	Sample Taken Oil & Grease	Sample Taken Phenolics	Discharging 1-3-5	Discharging 2-4-6	Emergency Discharge
1	/					
2	/	/	/			
3	/	/				
4	/					
5	/					
6				/	/	
7				/	/	
8	/					
9	/					
10	/					
11	/					
12	/					
13	/					
14	/	/				
15				/	/	
16				/	/	
17	/					
18	/					
19	/					
20	/					
21	/	/				
22	/	/		/	//	
23				/	/	
24				/	/	
25				/	/	
26				/	/	
27	/					
28	/					
29	/					
30	/					
31	/					

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*
(2-16) *(17-19)*

101642	012	3077-J / 47430
PERMIT NUMBER	DISCHARGE NUMBER	

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	12	01	TO	99	12	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	21,290		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				10.4	11.2	12.3	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				7.2	7.5	8.1	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				3.4	5.1	7.5	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.09	.09	.09	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. Mgr.	503 / 286-3681	00	01	04
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop-City of Portland, T.I. Self-KII

Koppers014875

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH December YEAR 1999

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # OF TANKS	DAYS OF DISCHARGE Pumping / DAY	#DAYS IN MONTH	TOTAL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	111	111	111	111	111	111					
GALS.PUMPED	135,000	✓	✓	✓	60,000	✓	660,000	1	31	660,000	21,290

SAMPLE CONCENTRATION LEVELS

													LIMITS					
													min.	AVG.	max.	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	10.9	10.4	12.3													10.4	11.2	12.3	°F
PH	8.1	7.2	7.2										6.0		9.0	7.2	7.5	8.1	SU
OIL & GREASES	7.5	4.5	3.4										0	10	15	3.4	5.1	7.5	MG/L
PHENOLS	.09												0	.5	.7	.09	.09	.09	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN N/A RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014876

12-3-99

WWTRS

8.1 pH

10.9°C

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW ST Helens Rd
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Tarver ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Phenols	Oil-Grease													
	W.W. TKS		12-29-99	900	X	X													

Relinquished By:	Received By:	Date/Time
Signature:	Signature:	12/4/99 7:15
Printed Name: TJ Tarver	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014878

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
9540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663
PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/02/99

PROJECT NAME: WWTKS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
992366-001		12/02/99	0900	WW TKS
992366-001		12/02/99	0900	WW TKS

REPORT DATE: 12/03/99 REPORT NUMBER: 992366 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS						
992366-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	7.5	mg/L	2	Gordon L.
992366-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.09	PPM	0.05	Steve W.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

Koppers014879

7.22 @ pH

10.4 °C

12-9-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

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☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Industries

Attention: Andy Kamerer

Address: 7540 NW St Helens Rd
Portland, Or 97210

Phone: (503) 286 3681

FAX: 503 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Analyses To Be Performed

Oil & Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTUS		12-7-99	1300	X

Relinquished By:	Received By:	Date/Time
Signature:	Signature:	12/7/99
Printed Name: TJ Turner	Printed Name:	1600
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014881

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/07/99

PROJECT NAME:

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
992400-001		12/07/99	1300	WW TKS

REPORT DATE: 12/08/99 REPORT NUMBER: 992400 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS 992400-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	4.5	mg/L	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

Koppers014882

7.12 pH

@

12.3 °C

12-17-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

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- ☑ 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
- ☐ 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
- ☐ 613 Escobar Street, Martinez, CA 94553 — Ph: (510) 229-0360 Fax: (510) 229-2821
- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kameren

Address: 7540 NW St Helens Rd
Portland, Or 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: T.J. Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: Asap

Analyses To Be Performed: Oil-Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WW TKS	WW	12-16-99	1000	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	12/16/99 11:00
Printed Name: T.J. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014884

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 12/16/99

PROJECT NAME: WASTE WATER TANKS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
992461-001		12/16/99	1000	WW TKS GRAB SAMPLE

REPORT DATE: 12/17/99 REPORT NUMBER: 992461 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS GRAB SAMPLE						
992461-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.4	mg/L	2	Gordon L.

Note: Laboratory method blank = 2.5 mg/L

REVIEWED BY: _____
Martin Little Quality Manager

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	*(17-19)* DISCHARGE NUMBER
101642	011

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	11	01	TO	99	11	30
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

3077-J
47430

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	22,000		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				10.9	12.1	13.5	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.8	8.0	8.9	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				2.7	4.3	5.7	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N D	N D	N D	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Agnes S. Kamerer, Plt. MGR	503	286-3681	99	12	08
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Haltrop - City of Portland, T.I. Self -KII

Koppers014886

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH November YEAR 99

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# OF TANKS
# OF PUMPINGS	111	111	111	111	111	111	
GALS.PUMPED	135,000	→	→	→	60,000	→	660,000

DAYS OF EMERGENCY Pumping 1 DAY

#DAYS IN MONTH 30

TOTAL ALL

G.P.D. DISCHARGE 22,000

SAMPLE CONCENTRATION LEVELS

	WWT-1		WWT-2		WWT-3		WWT-4		WWT-5		WWT-6		TOTAL		LIMITS min	LIMITS AVG.	LIMITS max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	12.3	12.4	12.3	13.5	10.9	11.0												10.9	12.1	13.5	°F
PH	8.4	8.2	6.8	6.8	8.9	8.6									6.0		9.0	6.8	8.0	8.9	SU
OIL & GREASES	5.7		4.4		2.7										0	10	15	2.7	4.3	5.7	MG/L
PHENOLS	NO														0	.5	.7	NO	NO	NO	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN \ \

RESULTS N/A
(MUST BE LESS THAN 1000)

Koppers014887

CERTIFICATE OF ANALYSIS

ORIGINAL

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/08/99

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
992214-001		11/08/99	1400	WASTE WATER TANKS GRAB WATER SAMPLE
992214-001		11/08/99	1400	WASTE WATER TANKS GRAB WATER SAMPLE

REPORT DATE: 11/11/99 REPORT NUMBER: 992214 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER TANKS GRAB WATER SAMPLE						
992214-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	5.7	mg/L	2	Gordon L.
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	mg/L	0.10	Steve W.

REVIEWED BY: _____
Martin Little - Quality Manager

wmTks

8.37°RH.

12.3°C Temp

11-10-99

11/11/99

WWTKS

Temp 12.4 °C.

8.21 PH

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd. Portland OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: T.J. Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	TPH/BTEX	Oil-Grease
	WW TKS		11/8/99	1400	X	X

Relinquished By:	Received By:	Date/Time
Signature:	Signature:	11/8/99 1500
Printed Name:	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014891

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES INC
7540 NW ST HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/17/99

PROJECT NAME: WWTks

CT SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
992282-001		11/17/99	1000	WWTKS

REPORT DATE: 11/19/99 REPORT NUMBER: 992282 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTKS						
992282-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	4.4	mg/L	2	Greg W.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

PH 6.77 @

13.5 C

11-17-99

6.83 pH

@

12.3 °C

11-19-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd
Portland Or 97210

Phone: (503) 2863681

FAX: (503) 2852831

Sampler: PJ Turner ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: Aug

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WWTKS		11-17-99	1000	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	11/17/99 1130
Printed Name: PJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014895

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 11/22/99

PROJECT NAME:

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
992316-001		11/22/99	1000	WW TKS

REPORT DATE: 11/24/99 REPORT NUMBER: 992316 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS						
992316-001	O & G TOTAL (HEM EPA 1664	TOTAL OIL AND GREASE	2.7	mg/L	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

8.93 PH

@

10.9 °C

11-2499

WW TKS

8.6 pH

11.0 °C

11-25-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Hamecker

Address: 7540 NW Helens Rd. Portland OR 97210

Phone: 503 286 3681

FAX: (503) 285 2831

Sampler: T.J. Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Oil + Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time
	W/W TKE		11-22-99	1000

Relinquished By:	Received By:	Date/Time
Signature: T.J. Turner	Signature:	11/22/99 1250
Printed Name: T.J. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014899

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

November 18, 1999

Mr. Elliot J. Zais
Sr. Environmental Engineer
Water Quality Source Control Section
Oregon DEQ
2020 SW Fourth Ave., Suite 400
Portland, Oregon 97201-4987

Reference: NPDES # 101642

Dear Elliot,

Enclosed please find a corrected copy of my DMR for last month, October 1999, the original report showed in error the monitoring period month as 09, rather than 10.

I'm sorry for any inconvenience that this may have caused.

Sincerely,

Amos S. Kamerer

CC: T. Self, KII
J. Holtrop, City of Portland

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

101642	010	3077-J / 47430
PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*	

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	10	01	TO	99	10	30
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	14,194		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				11.2	13.2	14.3	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				8.9	8.9	8.9	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				3.0	3.2	3.4	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.06	.06	.06	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plant MGR	503 / 286-3681	99 / 11 / 01
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR / MO / DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

4th Quarter PAH Results are attached

cc: J. Holtrop - City of Portland, T.I. Self -KII

Koppers014901

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH October YEAR 99

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # of TANKS	Days of Emergency Pumping / Day	#DAYS IN MONTH	TOTAL All	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	11	11	11	11	11	11					
GALS.PUMPED	90,000	90,000	90,000	90,000	40,000	40,000			31	440,000	14,194

SAMPLE CONCENTRATION LEVELS

							LIMITS						
							min.	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	14.2	14.3	11.2							11.2	13.2	14.3	°F
PH	8.9	8.9	8.9				6.0		9.0	8.9	8.9	8.9	SU
OIL & GREASES	3.0	3.4					0	10	15	3.0	3.2	3.4	MG/L
PHENOLS	.06						0	.5	.7	.06	.06	.06	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 10\13\99 RESULTS 233.9

(MUST BE LESS THAN 1000)

Koppers014902

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 10/27/99

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
992146-001		10/27/99	1430	WASTE WATER TANKS

REPORT DATE: 10/28/99 REPORT NUMBER: 992146 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER TANKS						
992146-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.4	mg/L	2	Jacob F.

REVIEWED BY: _____
Martin Little - Quality Manager

10-28-99

8.92 PH

11.2°C

WWTKS

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203	Ph: (503) 286-9464	Fax: (503) 285-7831
☐ 4901 E. 20th Street, Fife, WA 98424	Ph: (253) 922-8781	Fax: (253) 922-8957
☐ 613 Escobar Street, Martinez, CA 94553	Ph: (510) 229-0360	Fax: (510) 229-2821
☐ 790 Basin Street, Unit #2, San Pedro, CA 90731	Ph: (310) 833-1557	Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd
Portland Or 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: T. J. Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: Asap

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Diesel
	WW TKs	WW	10-27-99	1436	X

Relinquished By: *Signature:* T. J. Turner Printed Name: T. J. Turner	Received By: *Signature:* Printed Name:	Date/Time 10/27 15:15
Relinquished By: *Signature:* Printed Name:	Received By: *Signature:* Printed Name:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014905

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 10/13/99

PROJECT NAME: QUARTERLY WASTEWATER TEST

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
992049-001		10/13/99	0900	WW Tanks
992049-001		10/13/99	0900	WW Tanks
992049-001		10/13/99	0900	WW Tanks

REPORT DATE: 10/14/99 | REPORT NUMBER: 992049 | PAGE: 1 OF 2

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW Tanks						
992049-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	3.0	mg/L	2	Gordon L.
992049-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.06	PPM	0.05	Steve W.
992049-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	6.6	ug/L	0.05	Jacob F.
		ACENAPHTHYLENE	1.9	ug/L	0.05	
		ANTHRACENE	3.9	ug/L	0.05	
		BENZO(A)ANTHRACENE	15.	ug/L	0.05	
		BENZO(A)PYRENE	21.	ug/L	0.2	
		BENZO(B)FLUORANTHENE	20.	ug/L	0.2	
		BENZO(GHI)PERYLENE	17.	ug/L	0.5	
		BENZO(K)FLUORANTHENE	16.	ug/L	0.2	
		CHRYSENE	18.5	ug/L	0.05	
		DIBENZO(AH)ANTHRACENE	6.3	ug/L	0.3	
		FLUORANTHENE	24.	ug/L	0.05	
		FLUORENE	5.5	ug/L	0.05	
		INDENO(1,2,3-CD)PYRENE	8.7	ug/L	0.4	

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

CERTIFICATE OF ANALYSIS

REPORT DATE: 10/14/99 | REPORT NUMBER: 992049 | PAGE: 2 OF 2

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW Tanks						
992049-001	PNAH 2 EPA 625 (SIM)	NAPHTHALENE	35.	ug/L	0.05	Jacob F.
		PHENANTHRENE	16.	ug/L	0.05	
		PYRENE	23.	ug/L	0.05	
			233.9			
		SURROGATE	80%	% RECOVERY	50%-150%	

COLUMBIA INSPECTION, INC. 7133 N Lombard St. - Portland, OR 97203 (503) 286-9464 Fax (503) 285-7831

8.94 pH

@

14.3 C

10-18-99

10-17-99
14.2 C°

6.87 pH

WW TKS

COLUMBIA INSPECTION, INC.

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Laboratory • Inspection • Tank Calibration

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☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamarck

Address: 7540 N Ivanhoe St Helens OR
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: _____ ☑ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: PAH	Phenols	Oil-Grease
	WW Tanks		10/13/99	900	X	X	X

Relinquished By:	Received By:	Date/Time
Signature:	Signature:	10/13/99 0910
Printed Name:	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014910

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 09/29/99

PROJECT NAME: WEEKLY WASTEWATER TEST

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
991943-001		09/29/99	1100	WWTKS

REPORT DATE: 09/30/99 REPORT NUMBER: 991943 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTKS						
991943-001	O & G TOTAL (HEM) EPA 1664	TOTAL OIL AND GREASE	ND	mg/L	2	Gordon L.

Not used
No discharge
Retested in
October

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

- ☑ 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
- ☐ 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
- ☐ 613 Escobar Street, Martinez, CA 94553 — Ph: (510) 229-0360 Fax: (510) 229-2821
- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.

Attention:

Address: 7540 Nw St Helens Rd Portland, Or 97210

Phone: (503) 286 3681

FAX: 503 2852831

Sampler: T J Turner ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed: Oil-Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WWTKS		9-29-99	11:00	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	9/29/99 1150
Printed Name: T.J. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014912

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location (if Different)*
NAME Koppers Industries Inc.
ADDRESS 7540 NW St Helens Rd
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah Co

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*
(2-16) *(17-19)*

101642	001
PERMIT NUMBER	DISCHARGE NUMBER

3077-J
47430

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	09	01	TO	99	09*	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	7,333		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				22.7	22.7	22.7	C°	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				8.2	8.2	8.2	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	mg/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.07	.07	.07	mg/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D. COLLINS, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. KAMERER, Plt. Mgr.	503 286-3681	99	10	05
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: JOHN HOLTROP-CITY OF PORTLAND, T.I. SELF-KII

Koppers014913

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH Sept. YEAR 99

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping	#DAYS IN MONTH	TOTAL GAL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS	___/Any			
# OF PUMPINGS	1	1	1	1	1	1	6				
GALS.PUMPED	45,000	✓	✓	✓	20,000	✓			30	220,000	7,333

SAMPLE CONCENTRATION LEVELS

		LIMITS					
		min	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	22.7				22.7	22.7	22.7	°F
PH	8.2	6.0		9.0	8.2	8.2	8.2	SU
OIL & GREASES	ND	0	10	15	ND	ND	ND	MG/L
PHENOLS	.07	0	.5	.7	.07	.07	.07	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _________ RESULTS _____
(MUST BE LESS THAN 1000)

Koppers014914

pH 8.16

Temp 22.7°C.

9.3.99

WW TKS

CERTIFICATE OF ANALYSIS

COPY

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 09/02/99

PROJECT NAME: MONTHLY WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
991744-001		09/02/99	1000	WASTE WATER TANK SAMPLE
991744-001		09/02/99	1000	WASTE WATER TANK SAMPLE

REPORT DATE: 09/03/99 REPORT NUMBER: 991744 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER TANK SAMPLE						
991744-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.07	PPM	0.05	Steve W.

REVIEWED BY: _____
Martin Little - Quality Manager

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW ST Helens Rd
Portland OR 97210

Phone: (503) 286 3681

FAX: (503) 2852831

Sampler: JJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Phenols
Oil-Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTHS		9-2-99	1000	XX

Relinquished By:	Received By:	Date/Time
Signature:	Signature:	9/2/99 12 5
Printed Name: JJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014917

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW St. Helens Rd.
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah Co.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
101642	001

3077-J
47430

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	08	01	TO	99	08	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	7097		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				21.0	21.0	21.0	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
PH	SAMPLE MEASUREMENT				7.2	7.2	7.2	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	mg/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				<.05	<.05	<.05	mg/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
R.D. COLLINS, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	AmOS S. Kamerer, Plt. Mgr.	503	286-3681	99	09	02
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
cc: J. Holtrop - City of Portland, T.I. Self - KII

Koppers014918

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH August YEAR 99

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # of TANKS	Days of Emergency Pumping / Day	#DAYS IN MONTH	TOTAL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	1	1	1	1	1	1					
GALS.PUMPED									31	220,000	7,097

SAMPLE CONCENTRATION LEVELS

		LIMITS						
		min.	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	21.0				21.0	21.0	21.0	°F
PH	7.2	6.0		9.0	7.2	7.2	7.2	SU
OIL & GREASES	N.D.	0	10	15	N.D.	N.D.	N.D.	MG/L
PHENOLS	<.05	0	.5	.7	<.05	<.05	<.05	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _________ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014919

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 08/11/99

PROJECT NAME:

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
991595-001		08/11/99	1425	WWTKS
991595-002		08/11/99	1425	WWTKS

REPORT DATE: 08/13/99 REPORT NUMBER: 991595 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTKS						
991595-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.
991595-002	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	<0.05	PPM	0.05	Steve W.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

8-13-99

7.18 PH

@

21°C

COLUMBIA INSPECTION, INC.

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Laboratory • Inspection • Tank Calibration

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☐ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Industries

Attention: T.J. Turner

Address: _____

_____

Phone: (_____) _____

FAX: (_____) _____

Sampler: _____ ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority / Notification Method(s)

☐ Standard ☐ Telephone

☐ Rush ☐ FAX

Due Date _____ ☐ Mail

Analyses To Be Performed

Oil & Grease

Total Metals

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time		
	WWTKS	WW	8/11	1425	✓	✓

Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	8/11/99 1435
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014922

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	*(17-19)* DISCHARGE NUMBER
101642	001

3077-J
47430

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	07	01	TO	99	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	7,097		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				24.6	24.7	24.8	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				7.3	7.3	7.3	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/7	GraB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. MGR	503 286-3681	99	08	04
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Third Quarter PAH Results are attached.

cc: J. Holtrop - City of Portland, T.I. Self - KII

Koppers014923

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH July YEAR 1999

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL	Days of Emergency Pumping /Day	#DAYS IN MONTH	TOTAL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	of Tanks				
# OF PUMPINGS	1	1	1	1	1	1					
GALS.PUMPED	45,000	45,000	45,000	45,000	20,000	20,000			31	229,000	7,097

SAMPLE CONCENTRATION LEVELS

			LIMITS					
			min.	AVG.	max.	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	24.8	24.6				24.6	24.7	24.8	°F
PH	7.3	7.3	6.0		9.0	7.3	7.3	7.3	SU
OIL & GREASES	ND		0	10	15	ND	ND	ND	MG/L
PHENOLS	ND		0	.5	.7	ND	ND	ND	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 7\29\99 RESULTS 29.39 (MUST BE LESS THAN 1000)

Koppers014924

ORIGINAL

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 07/27/99

PROJECT NAME: QUARTERLY WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
991492-001		07/27/99	1400	WASTE WATER TANK GRAB SAMPLE
991492-001		07/27/99	1400	WASTE WATER TANK GRAB SAMPLE
991492-001		07/27/99	1400	WASTE WATER TANK GRAB SAMPLE

REPORT DATE: 07/30/99 REPORT NUMBER: 991492 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER TANK GRAB SAMPLE						
991492-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.
	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K.
	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	0.40	ug/L	0.05	Jacob F.
		ACENAPHTHYLENE	0.17	ug/L	0.05	
		ANTHRACENE	0.50	ug/L	0.05	
		BENZO(A)ANTHRACENE	2.6	ug/L	0.05	
		BENZO(A)PYRENE	3.1	ug/L	0.2	
		BENZO(B)FLUORANTHENE	3.4	ug/L	0.2	
		BENZO(GHI)PERYLENE	2.2	ug/L	0.5	
		BENZO(K)FLUORANTHENE	2.1	ug/L	0.2	
		CHRYSENE	3.0	ug/L	0.05	
		DIBENZO(AH)ANTHRACENE	1.6	ug/L	0.3	
		FLUORANTHENE	3.7	ug/L	0.05	
		FLUORENE	0.16	ug/L	0.05	
		INDENO(1,2,3-CD)PYRENE	1.6	ug/L	0.4	
		NAPHTHALENE	0.26	ug/L	0.05	
		PHENANTHRENE	1.4	ug/L	0.05	
		PYRENE	3.2	ug/L	0.05	
			29.39			
		SURROGATE	83%	% RECOVERY 50%-150%		

REVIEWED BY: Martin Little - Quality Manager

WW TKS

24.6°C

7.31 PH

7-27-99

WWTKS

7-30-99

7:26 PM

24.8°C.

COLUMBIA INSPECTION, INC.

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd
Portland Or 97210

Phone: (503) 286 3681

FAX: 503 , 2852831

Sampler: TD Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority / Notification Method(s)

☐ Standard ☐ Telephone

☑ Rush ☐ FAX

Due Date ASAP ☐ Mail

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Oil-Grease	Total Phenols	PAH
	WWTLS		1-27-99	1400	X	X	X

Relinquished By: *Signature:* T.D. Turner Printed Name: T.D. TURNER	Received By: *Signature:* Printed Name: David Melander	Date/Time 7/27/99 1500
Relinquished By: *Signature:* Printed Name:	Received By: *Signature:* Printed Name:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014928

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location (if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*
(2-16) *(17-19)*

101642	001
PERMIT NUMBER	DISCHARGE NUMBER

3077-J
47430

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	06	01	TO	99	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		(3 Card Only) QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	14,667		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				15.8	18	20.2	°C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.9	7.1	7.2	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, PLT MGR	503 286-3681	99	07	06
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc J. Holtrop - City of Portland, T.I. Self -KII

Koppers014929

KOPPERS INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Amos S. Kamerer
Plant Manager

Telephone: 503-286-3681
Fax: 503-285-2831

Mr.Elliot Zais
Oregon Department of Environmental Quality
Northwest Region
2020 SW. Fourth Ave., Suite 400
Portland, Oregon 97201-4987

July 6, 1999

Reference: NPDES permit # 101642
May 1999 DMR

Dear Elliot,

While preparing the June DMR, that is attached, I noticed that the May DMR that was mailed to you on June 7, 1999 failed to show the average daily discharge quantity. Somehow this was omitted during the typing of the report and I failed to notice it, before it's mailing. The average daily flow quantity for May was 28,387 gallons.

I am sorry for any inconvenience this may have caused.

Sincerely,

Amos

Amos S. Kamerer

CC: Mr. J Holtrop, Environmental Services, City of Portland
Ms. T. Self, Environmental Manager, KII

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 06/07/99

PROJECT NAME: MONTHLY WASTEWATER TEST

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
991085-001		06/07/99	0900	WWTks
991085-001		06/07/99	0900	WWTks

REPORT DATE: 06/09/99 REPORT NUMBER: 991085 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks						
991085-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K.
991085-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon I.

REVIEWED BY: Richard D. Reid - Laboratory Director

6.86 pH

@

15.0 °C

6-9-99

COLUMBIA INSPECTION, INC.

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☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd, Portland, OR 97211

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: _____ ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Phenols	Oil Grease
	WWTKS		6-7-99	0900	X	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	6/7/99 1115
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014933

ORIGINAL

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 06/22/99

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
991225-001		06/22/99	0900	WW TKS GRAB WATER SAMPLE

REPORT DATE: 06/23/99 REPORT NUMBER: 991225 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS GRAB WATER SAMPLE						
991225-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

REVIEWED BY: _____
Martin Little - Quality Manager

7.16 @ PH

20.2 °C

6-24-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd
Portland, OR 97210

Phone: 503 285-3681

FAX: (503) 285 2831

Sampler: T Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Oil & Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTRS		6-22-99	0900	X

Relinquished By:	Received By:	Date/Time
Signature: T Turner	Signature: Rick Olson	6/22/99 1005
Printed Name: T Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014936

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH June YEAR 99

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # of TANKS	Days of Emergency Pumping / Day	#DAYS IN MONTH	TOTAL ALL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	11	11	11	11	11	11					
GALS.PUMPED	90,000	90,000	90,000	90,000	40,000	40,000			30	440,000	14,667

SAMPLE CONCENTRATION LEVELS

			LIMITS min.	LIMITS AVG.	LIMITS max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	15.8	20.2				15.8	18	20.2	°F
PH	6.9	7.2	6.0		9.0	6.9	7.1	7.2	SU
OIL & GREASES	NO	NO	0	10	15	NO	NO	NO	MG/L
PHENOLS	NO		0	.5	.7	NO			MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _____ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014937

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location (if Different)*

NAME Koppers Industries, Inc.

ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal

LOCATION Multnomah County

S/B 10642

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
101003	001

3077-J
47430

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	05	01	TO	99	05	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	28,387		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				13.4	15.9	19.9	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				6.6	6.8	7.0	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	.7	2.7	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. MGR	503	286-3681	99	06	07
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop - City of Portland, T.I. Self - KII

Koppers014938

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH May YEAR 98

FLOW

Days of Emergency Pumping / Day

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL of TANKS	#DAYS IN MONTH	TOTAL All	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000				
# OF PUMPINGS	1111	1111	1111	1111	1111	1111				
GALS.PUMPED	180,000	180,000	180,000	180,000	80,000	80,000	880,000	31		28,387

SAMPLE CONCENTRATION LEVELS

	WWT-1		WWT-2		WWT-3	WWT-4	WWT-5		WWT-6		TOTAL			LIMITS min	LIMITS AVG.	LIMITS max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	15.3	15.3	13.4	16.6	15.0	19.9											13.4	15.9	19.9	°F
PH	7.0	7.0	6.7	6.6	6.8	6.7								6.0		9.0	6.6	6.8	7.0	SU
OIL & GREASES	NO	NO	NO	2.7										0	10	15	N.D.	.7	2.7	MG/L
PHENOLS	NO													0	.5	.7	N.D.	N.D.	N.D.	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN N/A

RESULTS _____
(MUST BE LESS THAN 1000)

Koppers014939

6.69 PH

at

19.9 C

5-27-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW ST Helens
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: 5/27/99

Analyses To Be Performed

Oil-Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTKs		5-25-99	1000	X

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	Signature: Richard Okel	5/26/99 0845
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: ☐ Visa

Laboratory Project Number: ☐ Cash/Check #

Overtime authorized ☐ Yes ☐ No Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014941

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES. INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286 36[illegible]
FAX: (503) 285 2831

DATE SUBMITTED: 05/26/99

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
991000-001		05/25/99	1000	WASTE WATER TANKS

REPORT DATE: 05/26/99 REPORT NUMBER: 991000 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER TANKS						
991000-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.7	PPM	?	Gordon L.

REVIEWED BY: _____
Marlin Little - Laboratory Manager

6.69 PH

@

15°C

5-19-99

6.77 PH

@

16.6°C

5-18-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

- ☑ 7133 N. Lombard, Portland, OR 97203 — Ph: (503) 286-9464 Fax: (503) 285-7831
- ☐ 4901 E. 20th Street, Fife, WA 98424 — Ph: (253) 922-8781 Fax: (253) 922-8957
- ☐ 613 Escobar Street, Martinez, CA 94553 — Ph: (510) 229-0360 Fax: (510) 229-2821
- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 75[illegible] NW ST Helens Rd Portland, OR 97210

Phone: (503) 2863681

FAX: (503) 2852831

Sampler: T.J. Turner ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Analyses To Be Performed: Oil-Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WW Tks		5-17-99	0900	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	5/17/99 0925
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014945

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/17/99

PROJECT NAME: WASTE WATER ANALYSIS

CT SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990931-001		05/17/99	0900	WW TANKS GRAB WATER SAMPLE

REPORT DATE: 05/17/99 REPORT NUMBER: 990931 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TANKS GRAB WATER SAMPLE						
990931-001	O&G. TOTAL. GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

REVIEWED BY: _____
Martin Little - Laboratory Manager

6.69 pH

@

13.4 °C

5-13-99

COLUMBIA INSPECTION, INC.

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☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind.

Attention: T.J. Turner

Address: 7540 NW St. Helens Rd

PDX

Phone: ( ) 286-3681

FAX: ( ) 285 2831

Sampler: D. Burt ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☑ FAX ☐ Mail

Due Date

Analyses To Be Performed

O/G - Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	O/G - Grease		5-12-99	0840	X

Relinquished By:	Received By:	Date/Time
Signature: David Burt	Signature:	5/12/99 0830
Printed Name: David Burt	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: ☐ Visa

Laboratory Project Number: ☐ Cash/Check #

Overtime authorized ☐ Yes ☐ No Amount Paid: $

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014948

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286 368.
FAX: (503) 285-2831

DATE SUBMITTED: 05/12/99

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990901-001		05/12/99	0840	WASTE WATER GRAB SAMPLE

REPORT DATE: 05/12/99 REPORT NUMBER: 990901 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE						
990901-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

REVIEWED BY: _____
Martin Little - Laboratory Manager

6.95 PH.

@

15.3 °C

5-6-99

6.97 PH.

15.3°C

5-7-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind. Inc.

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd. Portland, Or 97210

Phone: (503) 286-3681

FAX: (503) 285-2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date _____

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Total Phenols	Oil & Grease
	WWTES.		5.4.99	0900	X	X

Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	5/4/99 1020
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014952

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 05/04/99

PROJECT NAME: WEEKLY WASTEWATER TEST

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990844-001		05/04/99	0900	WWTks
990844-001		05/04/99	0900	WWTks

REPORT DATE: 05/05/99 REPORT NUMBER: 990844 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks SAMPLE ID:						
990844-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.
990844-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Abigail K.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER	
101003	001	3077-J / 47430

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	04	01	TO	99	04	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW	SAMPLE MEASUREMENT	22,000		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				10.6	12.0	14.6	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
PH	SAMPLE MEASUREMENT				6.8	7.0	7.1	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.8	3.0	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.26	.26	.26	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT				0	.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
R.D. Collins, Vp	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos St. Kamerer, Plt. MGR	503 286-3681	99	05	05
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

Second Quarter PAH Results are attached

cc: J. Holtrop - City of Portland, T.I. Self - KII

Koppers014954

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH April YEAR 99

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # OF TANKS	Days of Emergency Pumping / Day	#DAYS IN MONTH	TOTAL ALL	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000					
# OF PUMPINGS	111	111	111	111	111	111					
GALS.PUMPED	135,000	135,000	135,000	135,000	60,000	60,000			30	660,000	22,000

SAMPLE CONCENTRATION LEVELS

									LIMITS						
									min.	avg.	max.	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	11.3	10.6	10.9	11.0	14.6	12.8	13.0					10.6	12.0	14.6	°F
PH	7.0	7.0	7.1	7.0	6.8	6.8	7.0		6.0		9.0	6.8	7.0	7.1	SU
OIL & GREASES	2.5	3.0	NO						0	10	15	∧10	1.8	3.0	MG/L
PHENOLS	.26								0	.5	.7	.26	.26	.26	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN 4\6\99 RESULTS 793.3 (MUST BE LESS THAN 1000)

Koppers014955

7.0 pH

0

11.3 °C

4-7-99

6.95 ph

@

10.6 °C.

4-8-99

7.05 p.m.

10.9 °C

4-9-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

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☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamecrk

Address: 7540 NW St Helens Rd
Portland, OR 97210

Phone: (503) 2863681

FAX: (503) 2852831

Sampler: _____ ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: P.A.H.	Total Phenols	Oil & Grease
	WWTGS 1-3-5				X	X	X

Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	4/5/99 0745
Printed Name: T.J. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014959

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 04/03/99

PROJECT NAME: QUARTERLY DISCHARGEREPORT

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990623-001		04/05/99		WWTks 1-3-5
990623-001		04/05/99		WWTks 1-3-5
990623-001		04/05/99		WWTks 1-3-5

REPORT DATE: 04/07/99 REPORT NUMBER: 990623 PAGE: 1 OF 2

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks 1-3-5						
990623-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.5	PPM	2	Gordon L.
990623-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.26	PPM	0.05	Abigail K.
990623-001	PNAH 2 EPA 625 (SIM)	ACENAPHTHENE	14.	ug/L	0.05	Jacob E.
		ACENAPHTHYLENE	28.	ug/L	0.05	
		ANTHRACENE	11.	ug/L	0.05	
		BENZO(A)ANTHRACENE	20.	ug/L	0.05	
		BENZO(A)PYRENE	28.	ug/L	0.2	
		BENZO(B)FLUORANTHENE	51.	ug/L	0.2	
		BENZO(GHI)PERYLENE	24.	ug/L	0.5	
		BENZO(K)FLUORANTHENE	6.1	ug/L	0.2	
		CHRYSENE	22.	ug/L	0.05	
		DIBENZO(AH)ANTHRACENE	4.2	ug/L	0.3	
		FLUORANTHENE	30.	ug/L	0.05	
		FLUORENE	19.	ug/L	0.05	
		INDENO(1,2,3-CD)PYRENE	33.	ug/L	0.4	

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

CERTIFICATE OF ANALYSIS

REPORT DATE: 04/07/99 REPORT NUMBER: 990623 PAGE: 2 OF 2

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks 1-3-5						
990623-001	PNAH 7	NAPHTHALENE	440.	ug/L	0.05	Jacob F.
	EPA 625 (SIM)	PHENANTHRENE	35.	ug/L	0.05	
		PYRENE	28.	ug/L	0.05	
		SURROGATE	114%	% RECOVERY	50%-150%	

COLUMBIA INSPECTION, INC. 7133 N Lombard St. - Portland, OR 97203 (503) 286-9464 Fax (503) 285-7831

6.95 pH

@

11.0 °C

4-12-99

PS2 mouse
cheap printer
ISA modem 3½ floppy Drives

.684 pH

@

14.6 °C

4-14-99

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- ☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821
- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd, Portland, OR 97210
Phone: (503) 286 3681
FAX: (503) 2852831
Sampler: T.J. Turner ☐ Submitted

Project Name: _____
Project Number: _____
P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: Asaf

Analyses To Be Performed: Oil-Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time
	WWTKs 1-3-5		4-12-99	1300

Relinquished By:	Received By:	Date/Time
Signature: T J Turner	Signature: [signature]	4/12/99 14:10
Printed Name: T J Turner	Printed Name: 10 Reid	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

White Copy - Laboratory Yellow Copy - Client Copy

Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014965

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 04/12/99

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990690-001		04/12/99	1300	WASTE WATER TANKS 1-3-5 GRAB SAMPLE

REPORT DATE: 04/13/99 REPORT NUMBER: 990690 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER TANKS 1-3-5 GRAB SAMPLE						
990690-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	3.0	PPM	2	Gordon L.

REVIEWED BY: _____
Martin Little - Laboratory Manager

6.83 pH

@

12.8 °C

4-29-99

5-30-99
WWTKS
13.0°C
7.00 pH

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☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind

Attention: Amos Kammerer

Address: 7540 NW St. Helens Rd
Port. Ore

Phone: ( ) 286-3681

FAX: ( ) 285-2831

Sampler: D. Burt ☐ Submitted

Project Name:

Project Number:

P.O. Number:

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed: Oil - Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time
	Waste water tanks - Composite		4-26-99	1420

Relinquished By:	Received By:	Date/Time
Signature: David Burt	Signature: [signature]	4-26-99 1428
Printed Name: David Burt	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

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Page ____ of ____

CI Form 100 (COC) Rev B

Koppers014969

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-368[illegible]
FAX: (503) 285-2831

DATE SUBMITTED: 04/26/99

PROJECT NAME: WW TKS COMPOSITE

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990794-001		04/26/99	1420	COMPOSITE

REPORT DATE: 04/28/99 REPORT NUMBER: 990794 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
COMPOSITE						
990794-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

REVIEWED BY: Richard D. Reid - Laboratory Director

Koppers014970

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah County

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*	
101003	001	3077-J / 47430

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	03	01	TO	99	03	31
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	35,484		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				8.4	10.0	14.8	C	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				7.0	7.1	7.3	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
Oil & Grease	SAMPLE MEASUREMENT				N.D.	2.2	3.1	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				N.D.	N.D.	N.D.	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT					.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. MGR	503 286-3681	99	04	08
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop-City of Portland, T.I. Self-KII

Koppers014971

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH March YEAR 99

FLOW

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000	# of TANKS
# OF PUMPINGS	HHH	HHH	HHH	HHH	HHH	HHH	
GALS.PUMPED	225,000	225,000	225,000	225,000	180,000	100,000	1,100,000

Days of Emergency Pumping ___ /Day

#DAYS IN MONTH 31

TOTAL 1211

G.P.D. DISCHARGE 35,484

SAMPLE CONCENTRATION LEVELS

															LIMITS min.	LIMITS AVG.	LIMITS max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	11.7	8.9	9.9	8.4	10.2	9.1	11.1	10.3	11.2	12.3	14.8	12.9	9.4	9.2				8.4	10.0	14.8	°F
PH	7.2	7.1	7.2	7.1	7.1	7.3	7.3	7.0	7.1	7.2	7.2	7.2	7.0	7.0	6.0		9.0	7.0	7.1	7.3	SU
OIL & GREASES	2.8	3.1	2.9	2.3	ND										0	10	15	ND	2.2	3.1	MG/L
PHENOLS	ND														0	.5	.7	NO	NO	NO	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _________

RESULTS _____
(MUST BE LESS THAN 1000)

Koppers014972

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES. INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3[illegible]
FAX: (503) 285-2831

DATE SUBMITTED: 03/01/99

PROJECT NAME: WWTks 1-3-5

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990370-001		03/01/99	0900	WWTks 1-3-5
990370-001		03/01/99	0900	WWTks 1-3-5

REPORT DATE: 03/02/99 REPORT NUMBER: 990370 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks 1-3-5						
990370-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	ND	PPM	0.05	Dick R.
WWTks 1-3-5						
990370-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.8	PPM	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

POWER RENTS

TIGARD • 10380 S.W. Cascade Blvd. **620-1235**
HILLSBORO • 4705 S.E. Witch Hazel Rd. **640-1235**
PORTLAND • 9050 N.E. Halsey St. **255-1235**
SALEM • 4723 Portland Rd. N.E. **393-1222**
Toll Free **(800) 334-1235**

3-1-99

7.16 pH

C°

11.7 °C

WE RENT ALMOST EVERYTHING

3-2-99

WWTKS

7.1 PH

8.9°C Temp

3-3-99

7.21 pH @

9.9 °C

7.1 cl PIT

8.4 °C

3-4-99

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☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd Portland OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Analyses To Be Performed: Total Phenols	Analyses To Be Performed: Oil - Grease
	WWTKs 1-3-5		3-1-99	0900	X	X

Relinquished By:	Received By:	Date/Time
Signature: TJ Turner	Signature:	3/1/99 0945
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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Koppers014978

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/08/99

PROJECT NAME: WASTE WATER TANKS 2,4,6

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990430-001		03/08/99	1000	WASTE WATER GRAB SAMPLE

REPORT DATE: 03/09/99 REPORT NUMBER: 990430 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE						
990430-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	3.1	PPM	2	Gordon L.

REVIEWED BY: Richard D. Reid - Laboratory Director

7.06 PH

@

10.2 °C

3-8

7.25 pH

@

9.1 °C

3-10-99

7.25 pH

@

11.1 °C

3-12-99

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- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.
Attention: Amos Kamerer
Address: 7540 NW St Helens Rd
Portland, Or 97210
Phone: (503) 286 3681
FAX: (503) 285 2831
Sampler: T. Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Standard ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed: Oil/Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil/Grease
	WWTKS 2-4-6		3-8-99	1000	X

Relinquished By:	Received By:	Date/Time
Signature: [signature]	Signature: [signature]	3/8/99 1135
Printed Name: T. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

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Page ____ of ____

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Koppers014983

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/15/99

PROJECT NAME: WW TKS 1.3.5

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990478-001		03/15/99	1300	

REPORT DATE: 03/16/99 REPORT NUMBER: 990478 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
SAMPLE ID: WWTKS 1.3.5						
990478-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.9	PPM	2	Dick R.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

7.02 pH

@

10.3 °C

3-16-99

7.1 PH
WWTKS
11.2° C. Temp
3-17-99

7.24 pH

@

12.3 °C

3-18-99

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- ☐ 613 Escobar Street, Martinez, CA 94553 — Ph: (510) 229-0360 Fax: (510) 229-2821
- ☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 — Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc
Attention: Amos Kamerer
Address: 7540 NW ST Helens Rd
Portland, OR 97210
Phone: 503 286 3681
FAX: 503 285 2831
Sampler: T.J. Turner ☐ Submitted

Project Name:
Project Number:
P.O. Number:

Testing Priority: ☐ Standard ☑ Rush
Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail
Due Date: ASAP

Analyses To Be Performed: Oil-Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WW Tks 1-3-5		3-15-99	1300	X

Relinquished By:	Received By:	Date/Time
Signature: T.J. Turner	Signature: [signature]	3/15/99 1515
Printed Name: T.J. Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $ _____

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Page 1 of 1

CI Form 100 (COC) Rev B

Koppers014988

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 03/22/99

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990527-001		03/22/99	0800	WW TANKS 1-3-5 WASTE WATER GRAB SAMPLE

REPORT DATE: 03/23/99 REPORT NUMBER: 990527 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TANKS 1-3-5 WASTE WATER GRAB SAMPLE						
990527-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.3	PPM	2	Gordon L.

REVIEWED BY: Martin Little - Laboratory Manager

Koppers014989

7.16 pH

@

14.8 °C

3-23-99

7.19 pH

@

12.9 °C

3-26-99

COLUMBIA INSPECTION, INC.

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kapperer

Address: 7540 NW St Helens Rd

Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: J Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Oil & Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTKS 1-35		3-22-99	0800	X

Relinquished By:	Received By:	Date/Time
Signature: J Turner	Signature: Rob Ward	3/22/99 0900
Printed Name: J Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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CI Form 100 (COC) Rev B

Koppers014992

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285 2831

DATE SUBMITTED: 03/29/99

PROJECT NAME: WASTE WATER ANALYSIS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990577-001		03/29/99	0830	WW TANKS 2-4-6 GRAB SAMPLE

REPORT DATE: 03/29/99 REPORT NUMBER: 990577 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TANKS 2-4-6 GRAB SAMPLE						
990577-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

REVIEWED BY: _____
Martin Little - Laboratory Manager

6.96 PH

9.2 °C

3-30-99

7.02 PH

@

9.4 °C

3-31-99

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kanerer

Address: 7540 NW St Helens Rd
Portland OR 97210

Phone: (503) 2863681

FAX: (503) 2852831

Sampler: FJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Oil & Grease

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WW Trs 2-4-6		3.29.99	0830	X

Relinquished By:	Received By:	Date/Time
Signature: FJ Turner	Signature:	3/29/99 0900
Printed Name: FJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

CI Form 100 (COC) Rev B

Koppers014996

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if Different)*
NAME Koppers Industries, Inc.
ADDRESS 7540 NW Saint Helens Road
Portland, OR 97210

FACILITY NW Terminal
LOCATION Multnomah Co.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

PERMIT NUMBER *(2-16)*	DISCHARGE NUMBER *(17-19)*
101003	001

3077-J
47430

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	99	02	01	TO	99	02	28
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUANTITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
FLOW	SAMPLE MEASUREMENT	49,286		GPD					0	N/A	EST.
	PERMIT REQUIREMENT										
TEMP	SAMPLE MEASUREMENT				6.9	9.7	11.5	C°	0	1/7	GRAB
	PERMIT REQUIREMENT				N/A	N/A	N/A				
pH	SAMPLE MEASUREMENT				7.0	7.2	7.4	SU	0	1/7	GRAB
	PERMIT REQUIREMENT				6.0		9.0				
OIL & GREASE	SAMPLE MEASUREMENT				N.D.	1.3	3.1	MG/L	0	1/7	GRAB
	PERMIT REQUIREMENT				0	10	15				
PHENOLS	SAMPLE MEASUREMENT				.06	.06	.06	MG/L	0	1/30	GRAB
	PERMIT REQUIREMENT					.5	.7				
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
R.D. Collins, VP	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Amos S. Kamerer, Plt. MGR	503	286-3681	99	03	05
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

cc: J. Holtrop-City of Portland, T.I. Self

Koppers014997

MONTHLY NPDES DISCHARGE REPORT WORK SHEET

MONTH February YEAR 1999

FLOW 250,000 Days of Emergency Pumping Capacity / Day

	WWT-1	WWT-2	WWT-3	WWT-4	WWT-5	WWT-6	TOTAL # OF TANKS	#DAYS IN MONTH	TOTAL FLOW	G.P.D. DISCHARGE
GLS. PER TANK	45,000	45,000	45,000	45,000	20,000	20,000				
# OF PUMPINGS	1111	1111	1111	1111	1111	1111	2	28		
GALS.PUMPED	180,000	180,000	180,000	180,000	80,000	80,000	500,000		1,380,000	49,286

SAMPLE CONCENTRATION LEVELS

																LIMITS						
																min.	AVG.	max	MIN.	AVG.	MAX.	UNIT
TEMPERATURES	9.8	10.0	10.1	7.1	8.9	7.2	6.9	9.8	10.8	9.9	8.3	10.1	11.5	12.4	11.1	11.0							°F
PH	7.2	7.2	7.3	7.3	7.4	7.0	7.3	7.2	7.2	7.4	7.0	7.3	7.3	7.3	7.3	7.2	6.0		9.0	6.9	7.2	7.4	SU
OIL & GREASES	2.0	ND	ND	3.1													0	10	15	N.D.	1.3	3.1	MG/L
PHENOLS	.06																0	.5	.7	.06	.06	.06	MG/L

QUARTERLY PAH TESTING

DATE SAMPLE TAKEN _____ RESULTS _____

(MUST BE LESS THAN 1000)

Koppers014998

KOPPERS
INDUSTRIES

Koppers Industries, Inc.
7540 N.W. St. Helens Road
Portland, OR 97210-3663

Telephone: 503-286-3681
Fax: 503-285-2831

February 7, 1999

Amos S. Kamerer
Koppers Industries, Inc.
7540 NW Saint Helens Rd.
Portland, Or 97210

Dear Sir:

On this date Brad Harwood did a full walk though inspection of plant operations and found the lower tank farm flooding, all waste water tanks overflowing, and rain still falling.

If this situation continues, we will sustain further damage than we already have to the pumps, motors and other equipment. Due to this situation, we started pumping the overflow of rainwater directly to the plant outfall. We will continue this until we are out of danger. Samples have been taken for analysis.

Sincerely,

T.J. Turner
General Foreman

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/22/99

PROJECT NAME:

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990335-001		02/22/99	0900	WWTks 1-3-5

REPORT DATE: 02/22/99 REPORT NUMBER: 990335 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WWTks 1-3-5						
990335-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	3.1	PPM	2	Gordon L.

REVIEWED BY: Richard D. Reid - Laboratory Director

2-23-99

7.32 P.H.

@

11.5 °C

7-29 PA

@

124 °C

2-24-99

7.31 PH

@

11.1 °C

2-25-99

2-26-99
WWTPLS
7.22 PH
11.0°C Temp

COLUMBIA INSPECTION, INC.

CHAIN OF CUSTODY RECORD

Laboratory • Inspection • Tank Calibration

Environmental • Petroleum • OR Certified Water Analysis

☑ 7133 N. Lombard, Portland, OR 97203 Ph: (503) 286-9464 Fax: (503) 285-7831

☐ 4901 E. 20th Street, Fife, WA 98424 Ph: (253) 922-8781 Fax: (253) 922-8957

☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW ST Helens Rd Portland, Or 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: J J Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Oil & Grease

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WW TKS 1-3-5		2-22-99	0900	X

Relinquished By:	Received By:	Date/Time
Signature: J J Turner	Signature: Richard Reed	2/22/99 0930
Printed Name: J J Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	Signature:	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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CI Form 100 (COC) Rev B

Koppers015005

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/17/99

PROJECT NAME:

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990311-001		02/17/99	1500	WW TKS 2-4-6

REPORT DATE: 02/18/99 REPORT NUMBER: 990311 PAGE: 1 OF 1

SAMPLE	TEST	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS 2-4-6						
990311-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

DRAFT REPORT - THIS REPORT HAS NOT UNDERGONE FINAL QUALITY ASSURANCE REVIEW.

7.19 pH
at
10.8 °C
3-17-99

7.35 pH

@

9.9 °C

Q-18-99

2-20-99

8.3°C Temp

7.0 PH

weather

ww flus
7.30 pH
@
10.1 °C
2-21-99

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc.

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date: ASAP

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	Oil-Grease
	WW Rec 2-4-6		2-17-99	1500	X

Analyses To Be Performed

Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	2/17/99 1520
Printed Name: TJ Turner	Printed Name:	
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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CI Form 100 (COC) Rev B

Koppers015011

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/08/99

PROJECT NAME: WW TKS

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990237-001		02/08/99	0900	WW TKS

REPORT DATE: 02/08/99 REPORT NUMBER: 990237 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WW TKS						
990237-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	ND	PPM	2	Gordon L.

REVIEWED BY: Richard D. Reid - Laboratory Director

2-8-99
WWTKs

7.38 pH

8.9° C.

2-10-99

7.0 PH

7.2°C Temp

WW TKS

PH 7.26 2-11-99
WWTHS
@
6.9°C

2-12-99

WWTPs

7.24 PH

9.8°C Temp

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7540 NW St Helens Rd
Portland, OR 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Oil & Grease 1664

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	
	WWTRS		2-8-99	0900	X

Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	2/8/99
Printed Name: TJ Turner	Printed Name:	1050
Relinquished By:	Received By:	Date/Time
Signature:	*Signature:*	
Printed Name:	Printed Name:	

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

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Koppers015017

CERTIFICATE OF ANALYSIS

CLIENT: KOPPERS INDUSTRIES, INC.
7540 NW ST. HELENS ROAD
PORTLAND OR 97210-3663

PHONE: (503) 286-3681
FAX: (503) 285-2831

DATE SUBMITTED: 02/02/99

PROJECT NAME: WASTE WATER TANKS 2-4-6

CI SAMPLE #	CLIENTS ID#	DATE	TIME	DESCRIPTION
990205-001		02/02/99	0830	WASTE WATER GRAB SAMPLE
990205-001		02/02/99	0830	WASTE WATER GRAB SAMPLE

REPORT DATE: 02/03/99 REPORT NUMBER: 990205 PAGE: 1 OF 1

SAMPLE	ANALYSIS	PARAMETER	RESULT	UNIT	DETECTION LIMIT	ANALYST
WASTE WATER GRAB SAMPLE						
990205-001	O&G, TOTAL, GRAV EPA 413.1/9070	TOTAL OIL & GREASE	2.0	PPM	2	Dick R.
990205-001	PHENOLS, TOTAL EPA 420.1	TOTAL RECOVERABLE PHENOLICS	0.06	PPM	0.05	Abigail K.

REVIEWED BY: Richard D. Reid

Richard D. Reid - Laboratory Director

7.22 pH

@

9.8 °C

2-2-99

7-19 PH
WWTKS
@
10.0 °C
2-3-99

7.34 plt

10.1 °C

2-4-99

7:34 PM

@

7-1 c

ON 2-5-99

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☐ 613 Escobar Street, Martinez, CA 94553 Ph: (510) 229-0360 Fax: (510) 229-2821

☐ 790 Basin Street, Unit #2, San Pedro, CA 90731 Ph: (310) 833-1557 Fax: (310) 833-1585

Customer Name: Koppers Ind Inc

Attention: Amos Kamerer

Address: 7340 NW St Helens Rd
Portland, Or 97210

Phone: (503) 286 3681

FAX: (503) 285 2831

Sampler: TJ Turner ☐ Submitted

Project Name: _____

Project Number: _____

P.O. Number: _____

Testing Priority: ☐ Standard ☑ Rush

Notification Method(s): ☐ Telephone ☐ FAX ☐ Mail

Due Date ASAP

Analyses To Be Performed

Sample id#	Sample Description	Sample Matrix	Sample Date	Sample Time	TOTAL Phenols	O.I. Grease
	WWTKS 2-4-6		2-2-99	0830	X	X

Relinquished By: *Signature:* TJ Turner Printed Name: TJ Turner	Received By: *Signature:* Richard Reed Printed Name:	Date/Time 2/2/99 0920
Relinquished By: *Signature:* Printed Name:	Received By: *Signature:* Printed Name:	Date/Time

FOR LABORATORY USE ONLY

Inspection Job Number: _____ ☐ Visa _____

Laboratory Project Number: _____ ☐ Cash/Check # _____

Overtime authorized ☐ Yes ☐ No Amount Paid: $_____

White Copy - Laboratory Yellow Copy - Client Copy

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Koppers015023