

**enSearch**[home](#) [login](#)**Koppers Inc**[MASTERFILE](#)[RELATED](#)[STATUS](#)[ATTACHMENTS](#)[TASKS](#)

ID	Branch	SIC	County	Basin	Start	End
876	Energy and Transportation	2491	Grenada	Yazoo River	11/09/1981	

Physical Address (Primary)	Mailing Address
1 Koppers Drive Tie Plant, MS 38960	PO Box 160 Tie Plant, MS 38960

Telecom Type	Address or Phone
Work Phone Number	(662) 226-4584, Ext. 11

Alt ID	Alt Name	Alt Type	Start Date	End Date
2804300012	Koppers, Inc.	Air-AIRS AFS	10/12/2000	
876	Koppers Inc Grenada Plant	Air-Notification	05/23/2008	
096000012	Koppers, Inc.	Air-Title V Fee Customer	12/11/2006	
096000012	Koppers Industries, Inc.	Air-Title V Operating	03/11/1997	03/01/2002
096000012	Koppers Industries, Inc.	Air-Title V Operating	01/13/2004	03/26/2007
096000012	Koppers, Inc.	Air-Title V Operating	03/26/2007	01/01/2009
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	09/25/1992	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	08/27/1999	01/23/2007
MSD007027543	Koppers, Inc.	Hazardous Waste-EPA ID	01/23/2007	
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	06/28/1988	06/28/1998
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	03/26/2007
HW8854301	Koppers, Inc. (Owner)	Hazardous Waste-TSD	03/26/2007	09/30/2009
876	Koppers Industries, Inc.	Historic Site Name	11/09/1981	12/11/2006
876	Koppers, Inc.	Official Site Name	12/11/2006	
MSP090300	Koppers Industries, Inc.	Water - Pretreatment	11/14/1995	11/13/2000
MSP090300	Koppers Industries, Inc.	Water - Pretreatment	09/18/2001	08/31/2006
MSP090300	Koppers, Inc.	Water - Pretreatment	03/26/2007	02/28/2012
MSU081080	Koppers Industries, Inc.	Water - SOP	11/09/1981	11/30/1985

Program	SubProgram	Start Date	End Date

Air	Title V - major	12/11/2006
Hazardous Waste	Large Quantity Generator	08/27/1999
Hazardous Waste	TSD - Not Classified	06/28/1988
Water	Baseline Stormwater	01/01/1900
Water	PT CIU	11/14/1995
Water	PT CIU - Timber Products Processing (Subpart 429)	11/14/1995
Water	PT SIU	11/14/1995

Latitude	Longitude	Metadata	S / T / R	Map Links
33 ° 44 ' 3 .00 (033.734167)	89 ° 47 ' 8 .06 (089.785572)	<b>Point Desc:</b> PG- Plant Entrance (General). Data collected by Mike Hardy on 11/8/2005. Elevation 223 feet. Just inside entrance gate.  <b>Method:</b> GPS Code (Psuedo Range) Standard Position (SA Off) <b>Datum:</b> NAD83 <b>Type:</b> MDEQ	Section: Township: Range:	<a href="#">SWIMS</a> <a href="#">Google Maps</a> <a href="#">MapQuest</a>

10/9/2008 1:56:54 PM

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/18/09  
**Date Received:** 06/02/09  
**Date/Time Sampled:** 06/02/09 07:15  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC47033**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.5	1.0	mg/L	5210B	MWS	06/03/09	13:45
Residue, non-filterable (TSS)	11.0	1.0	mg/L	2540D	RLT	06/03/09	12:45
Oil & Grease	ND	2.1	mg/L	1664A	CRM	06/12/09	13:25
Phenols	ND	0.05	mg/L	420.4	MEW	06/10/09	12:33
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/03/09	17:27
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/03/09	17:27
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/03/09	17:27
Pentachlorophenol	ND	0.001	mg/L	625	MF	06/03/09	17:27
Phenol	ND	0.002	mg/L	625	MF	06/03/09	17:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/03/09	17:27



QA/QC Technical Director

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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/19/09  
**Date Received:** 06/09/09  
**Date/Time Sampled:** 06/09/09 07:20  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC47308**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	06/10/09	08:25
Residue, non-filterable (TSS)	8.0	1.0	mg/L	2540D	RLT	06/10/09	09:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/18/09	14:00
Phenols	ND	0.05	mg/L	420.4	MEW	06/18/09	12:45
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
2-Chlorophenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
2,4-Dichlorophenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
2,4-Dimethylphenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
4,6-Dinitro-2-methylphenol	Not detected	0.001	mg/L	625	MF	06/10/09	16:14
2,4-Dinitrophenol	Not detected	0.005	mg/L	625	MF	06/10/09	16:14
2-Nitrophenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
4-Nitrophenol	Not detected	0.005	mg/L	625	MF	06/10/09	16:14
Pentachlorophenol	Not detected	0.001	mg/L	625	MF	06/10/09	16:14
Phenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14
2,4,6-Trichlorophenol	Not detected	0.002	mg/L	625	MF	06/10/09	16:14



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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/29/09  
**Date Received:** 06/16/09  
**Date/Time Sampled:** 06/19/09 06:30  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC47533**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	5210B	MWS	06/17/09	14:20
Residue, non-filterable (TSS)	10.0	1.0	mg/L	2540D	RLT	06/17/09	10:10
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/26/09	12:45
Phenols	ND	0.05	mg/L	420.4	MEW	06/18/09	12:45
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/18/09	13:15
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/18/09	13:15
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/18/09	13:15
Pentachlorophenol	0.002	0.001	mg/L	625	MF	06/18/09	13:15
Phenol	ND	0.002	mg/L	625	MF	06/18/09	13:15
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/18/09	13:15



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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 07/07/09  
**Date Received:** 06/24/09  
**Date/Time Sampled:** 06/23/09 07:35  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC47744**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	06/24/09	09:10
Residue, non-filterable (TSS)	10.0	1.0	mg/L	2540D	RLT	06/24/09	10:45
Oil & Grease	ND	2.5	mg/L	1664A	CRM	07/02/09	08:30
Phenols	0.06	0.05	mg/L	420.4	MEW	07/07/09	12:20
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/25/09	12:58
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/25/09	12:58
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/25/09	12:58
Pentachlorophenol	0.002	0.001	mg/L	625	MF	06/25/09	12:58
Phenol	ND	0.002	mg/L	625	MF	06/25/09	12:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/25/09	12:58



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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 07/14/09  
**Date Received:** 07/01/09  
**Date/Time Sampled:** 06/30/09 07:30  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC48122**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	11.8	1.0	mg/L	5210B	RLT	07/01/09	10:30
Residue, non-filterable (TSS)	21.0	1.0	mg/L	2540D	EGB	07/01/09	12:35
Oil & Grease	ND	2.4	mg/L	1664A	CRM	07/09/09	08:50
Phenols	ND	0.05	mg/L	420.4	MEW	07/07/09	12:20
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/02/09	15:44
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/02/09	15:44
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/02/09	15:44
Pentachlorophenol	0.068	0.001	mg/L	625	RLT	07/02/09	15:44
Phenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/02/09	15:44



QA/QC Technical Director

# MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Pretreat

Office of Pollution Control Laboratory  
1542 Old Whitfield Road  
Pearl MS 39208  
601-961-5701

## Sample Results

<b>To: TRAYCE THOMAS</b> <b>RANDY JONES</b>	<b>Study:</b> COMPLIANCE  <b>County:</b> 043 GRENADA <b>Basin:</b> <b>QA Type:</b> <b>Division Code:</b> 5700 <b>Requested By:</b> TRAYCE THOMAS <b>Date Collected:</b> 05/27/2009 <b>Time Collected:</b> 1230 <b>Sample Collector:</b> RJONES <b>Delivery Mode:</b> DOUGLAS <b>Received at Lab by:</b> TAMMY SAWYER <b>Date Received at Lab:</b> 05/28/2009 <b>Time Received at Lab:</b> 0850
<b>Sample ID:</b> AA39947 <b>Location Name:</b> KOPPERS INC <b>Location Description:</b> <b>Location Code:</b> C0430046 <b>Other No.:</b> <b>Permit No.:</b> MSP090300 <b>Discharge No.:</b> MSP090300-001 <b>Master AI No.:</b> 876 <b>Latitude:</b> <b>Longitude:</b>	

ANALYTE	METHOD	RESULT	UNITS	ML	ANALYST
Flow mgd		0.0211	MGD	0	RJONES
pH, Field Measurement	150.1	7.95	pH units		RJONES
Temperature, Water	170.1	30.4	deg C	0	RJONES
Arsenic, Total	200.7	<MQL	ug/L	50.0	BBRUCE
Chromium, Total	200.7	<MQL	ug/L	10.0	BBRUCE
Copper, Total	200.7	<MQL	ug/L	10	BBRUCE
2,4,6-Tribromophenol	8270	93	%	10-123	JSHELL
2-Fluorophenol	8270	63	%	21-100	JSHELL
Phenol-d5	8270	78	%	10-194	JSHELL
Pentachlorophenol	8270	Trace 9.98	µg/L	100	JSHELL
Biochemical Oxygen Demand, 5 Day	SM 5210B	11	mg/L	2	KFARRIS
Oil & Grease, Total Hexane	1664A	<MQL	mg/L	5	KFARRIS
Phenols, Total Recoverable	10-210-00-1-B	<MQL	mg/L	0.05	JMILNER
Solids, Total Suspended	SM 2540 D	200	mg/L	4	OCLARK

# ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter  
mg/L: milligrams/Liter  
mg/kg: milligrams/kilogram  
ug/g: micrograms/gram  
ppm: parts per million  
ppb: parts per billion

<: less than  
MCL: Maximum Contaminant Level  
MDL: Method Detection Limit  
LSPC: result less than lower specification  
USPC: result greater than upper specification  
TIE: Tentatively Identified or Estimated

>: greater than  
z: surrogate  
COC Date: Date Chain of Custody Signed  
COC TIME: Time Chain of Custody

## SAMPLE COMMENTS

SAMPLING POINT IDENTIFICATION: TREATED WASTEWATER CONSISTING OF WATER FROM  
CONDITIONING OF WOODY BOILER BLOWDOWN  
ENVIRONMENT CONDITION: SUNNY AND HOT  
WHERE TAKEN: EFFLUENT VALVE ON DISCHARGE LINE TO CITY SEWER

Sample Validation Date 06/17/2009

Validated By

Date Report Printed 06/17/2009

## Lab Bench No.

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★

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\*

mg/l

39947



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**To:** Koppers Company  
P.O. Box 160  
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ATTN: Ron Rutledge

**Date Reported:** 05/19/09  
**Date Received:** 05/05/09  
**Date/Time Sampled:** 05/05/09 07:15  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC45881**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.7	1.0	mg/L	5210B	MWS	05/06/09	08:15
Residue, non-filterable (TSS)	33.0	1.0	mg/L	2540D	RLT	05/06/09	08:45
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/13/09	08:25
Phenols	ND	0.05	mg/L	420.4	MEW	05/07/09	14:36
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/07/09	11:55
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/07/09	11:55
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/07/09	11:55
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/07/09	11:55
Phenol	ND	0.002	mg/L	625	MF	05/07/09	11:55
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/07/09	11:55



QA/QC Technical Director

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NELAP Accredited  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/08/09  
**Date Received:** 05/12/09  
**Date/Time Sampled:** 05/12/09 07:12  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001

**Sample Number:** CC46203

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	05/13/09	09:55
Residue, non-filterable (TSS)	20.0	1.0	mg/L	2540D	RLT	05/14/09	11:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	05/22/09	14:10
Phenols	ND	0.05	mg/L	420.4	MEW	05/15/09	13:06
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/13/09	15:16
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/13/09	15:16
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/13/09	15:16
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/13/09	15:16
Phenol	ND	0.002	mg/L	625	MF	05/13/09	15:16
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/13/09	15:16



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 05/29/09  
**Date Received:** 05/19/09  
**Date/Time Sampled:** 05/19/09 07:20  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Matrix:** WATER**Sample Number:** CC46573**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	05/21/09	06:55
Residue, non-filterable (TSS)	8.0	1.0	mg/L	2540D	RLT	05/20/09	10:20
Oil & Grease	ND	2.5	mg/L	1664A	CRM	05/28/09	10:35
Phenols	ND	0.05	mg/L	420.4	MEW	05/29/09	14:21
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/20/09	13:26
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/20/09	13:26
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/20/09	13:26
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/20/09	13:26
Phenol	ND	0.002	mg/L	625	MF	05/20/09	13:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/20/09	13:26



QA/QC Technical Director

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/08/09  
**Date Received:** 05/26/09  
**Date/Time Sampled:** 05/26/09 07:16  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC46748**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.3	1.0	mg/L	5210B	MWS	05/27/09	10:35
Residue, non-filterable (TSS)	10.0	1.0	mg/L	2540D	MWS	06/01/09	13:35
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/02/09	08:55
Phenols	0.05	0.05	mg/L	420.4	MEW	05/29/09	14:21
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/27/09	18:27
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/27/09	18:27
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/27/09	18:27
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/27/09	18:27
Phenol	ND	0.002	mg/L	625	MF	05/27/09	18:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/27/09	18:27



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/15/09  
**Date Received:** 05/28/09  
**Date/Time Sampled:** 05/27/09 13:00  
**Sampled by:** RR/MDEQ

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC46891**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.1	1.0	mg/L	5210B	MWS	05/29/09	13:55
Residue, non-filterable (TSS)	29.0	1.0	mg/L	2540D	RLT	06/02/09	14:30
Oil & Grease	ND	2.6	mg/L	1664A	CRM	06/11/09	08:20
Phenols	ND	0.05	mg/L	420.4	MEW	06/10/09	12:33
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/04/09	15:48
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/04/09	15:48
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/04/09	15:48
Pentachlorophenol	ND	0.001	mg/L	625	MF	06/04/09	15:48
Phenol	ND	0.002	mg/L	625	MF	06/04/09	15:48
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/04/09	15:48



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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/20/09  
Date Received: 04/07/09  
Date/Time Sampled: 04/07/09 07:10  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC44784

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	5210B	MWS	04/08/09	10:10
Residue, non-filterable (TSS)	55.0	1.0	mg/L	2540D	RLT	04/08/09	08:35
Oil & Grease	ND	2.4	mg/L	1664A	CRM	04/17/09	10:20
Phenols	ND	0.05	mg/L	420.4	MEW	04/09/09	12:35
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/09/09	12:40
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	04/09/09	12:40
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
4-Nitrophenol	ND	0.005	mg/L	625	MF	04/09/09	12:40
Pentachlorophenol	ND	0.001	mg/L	625	MF	04/09/09	12:40
Phenol	ND	0.002	mg/L	625	MF	04/09/09	12:40
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/09/09	12:40



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 04/23/09  
**Date Received:** 04/14/09  
**Date/Time Sampled:** 04/14/09 07:11  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:**

**Sample Description:** Outfall 001

**Sample Number:** CC45066

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.0	1.0	mg/L	5210B	MWS	04/15/09	10:15
Residue, non-filterable (TSS)	29.0	1.0	mg/L	2540D	RLT	04/15/09	10:20
Oil & Grease	ND	2.4	mg/L	1664A	CRM	04/22/09	08:50
Phenols	ND	0.05	mg/L	420.4	MEW	04/16/09	11:03
<b>Phenolic Compound</b>							
4-Chloro-3-methylphenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
2-Chlorophenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
2,4-Dichlorophenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
2,4-Dimethylphenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/16/09	15:25
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	04/16/09	15:25
2-Nitrophenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
4-Nitrophenol	ND	0.006	mg/L	625	MF	04/16/09	15:25
Pentachlorophenol	0.093	0.001	mg/L	625	MF	04/16/09	15:25
Phenol	ND	0.003	mg/L	625	MF	04/16/09	15:25
2,4,6-Trichlorophenol	ND	0.003	mg/L	625	MF	04/16/09	15:25



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\* See supplementary information, attached.

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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 04/30/09  
**Date Received:** 04/21/09  
**Date/Time Sampled:** 04/21/09 07:15  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001

**Sample Number:** CC45329

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	04/22/09	09:35
Residue, non-filterable (TSS)	22.0	1.0	mg/L	2540D	RLT	04/22/09	14:50
Oil & Grease	ND	2.5	mg/L	1664A	CRM	04/30/09	08:30
Phenols	0.05	0.05	mg/L	420.4	MEW	04/28/09	13:09
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/23/09	12:00
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	04/23/09	12:00
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
4-Nitrophenol	ND	0.006	mg/L	625	MF	04/23/09	12:00
Pentachlorophenol	ND	0.001	mg/L	625	MF	04/23/09	12:00
Phenol	ND	0.002	mg/L	625	MF	04/23/09	12:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/23/09	12:00



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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 05/08/09  
Date Received: 04/28/09  
Date/Time Sampled: 04/28/09 07:15  
Sampled by: D. Coffey

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC45655

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	11.4	1.0	mg/L	5210B	MWS	04/29/09	09:55
Residue, non-filterable (TSS)	22.0	1.0	mg/L	2540D	RLT	04/29/09	15:05
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/07/09	10:30
Phenols	ND	0.05	mg/L	420.4	MEW	05/07/09	14:36
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/01/09	11:42
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/01/09	11:42
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/01/09	11:42
Pentachlorophenol	0.290	0.005	mg/L	625	MF	05/01/09	11:42
Phenol	ND	0.002	mg/L	625	MF	05/01/09	11:42
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/01/09	11:42



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\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 03/11/09  
**Date Received:** 03/03/09  
**Date/Time Sampled:** 03/03/09 07:10  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:**

**Sample Description:** Outfall 001

**Sample Number:** CC43217

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	5210B	MWS	03/04/09	09:20
Residue, non-filterable (TSS)	25	1.0	mg/L	2540D	RLT	03/03/09	16:40
Oil & Grease	2.41	2.3	mg/L	1664A	RLT	03/10/09	09:30
Phenols	ND	0.05	mg/L	420.4	MEW	03/06/09	14:10
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/04/09	13:39
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/04/09	13:39
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/04/09	13:39
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/04/09	13:39
Phenol	ND	0.002	mg/L	625	MF	03/04/09	13:39
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/04/09	13:39

  
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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 03/23/09  
**Date Received:** 03/10/09  
**Date/Time Sampled:** 03/10/09 07:14  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001

**Sample Number:** CC43596

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.75	1.0	mg/L	5210B	MWS	03/11/09	07:20
Residue, non-filterable (TSS)	18	1.0	mg/L	2540D	RLT	03/12/09	11:00
Oil & Grease	ND	2.1	mg/L	1664A	RLT	03/13/09	10:45
Phenols	ND	0.05	mg/L	420.4	MEW	03/16/09	13:44
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/11/09	11:50
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/11/09	11:50
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/11/09	11:50
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/11/09	11:50
Phenol	ND	0.002	mg/L	625	MF	03/11/09	11:50
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/11/09	11:50



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 03/25/09  
**Date Received:** 03/17/09  
**Date/Time Sampled:** 03/17/09 07:15  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001  
**Sample Matrix:** WATER

**Sample Number:** CC43983

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.3	1.0	mg/L	5210B	MWS	03/18/09	13:35
Residue, non-filterable (TSS)	25	1.0	mg/L	2540D	RLT	03/19/09	11:45
Oil & Grease	ND	2.4	mg/L	1664A	CRM	03/23/09	13:25
Phenols	ND	0.05	mg/L	420.4	MEW	03/25/09	14:02
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/19/09	11:07
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/19/09	11:07
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/19/09	11:07
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/19/09	11:07
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/19/09	11:07
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/19/09	11:07
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/19/09	11:07
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/19/09	11:07
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/19/09	11:07
Phenol	ND	0.002	mg/L	625	MF	03/19/09	11:07
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/19/09	11:07



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 04/03/09  
**Date Received:** 03/24/09  
**Date/Time Sampled:** 03/24/09 07:15  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC44244**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.7	1.0	mg/L	5210B	MWS	03/25/09	12:20
Residue, non-filterable (TSS)	20.0	1.0	mg/L	2540D	RLT	03/25/09	09:15
Oil & Grease	ND	2.2	mg/L	1664A	CRM	04/02/09	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	03/25/09	14:02
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/25/09	21:21
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/25/09	21:21
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/25/09	21:21
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/25/09	21:21
Phenol	ND	0.002	mg/L	625	MF	03/25/09	21:21
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/25/09	21:21



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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/09/09  
Date Received: 03/31/09  
Date/Time Sampled: 03/31/09 07:10  
Sampled by: DC

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Number: CC44510

Sample Description: Outfall 001

Page Number: 1

Sample Matrix: WATER

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	34.5	1.0	mg/L	5210B	MWS	04/01/09	09:10
Residue, non-filterable (TSS)	37.0	1.0	mg/L	2540D	RLT	04/01/09	13:25
Oil & Grease	ND	2.2	mg/L	1664A	CRM	04/08/09	09:10
Phenols	ND	0.05	mg/L	420.4	MEW	04/02/09	12:16
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/01/09	16:09
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	04/01/09	16:09
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
4-Nitrophenol	ND	0.006	mg/L	625	MF	04/01/09	16:09
Pentachlorophenol	ND	0.001	mg/L	625	MF	04/01/09	16:09
Phenol	ND	0.002	mg/L	625	MF	04/01/09	16:09
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/01/09	16:09

  
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**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 02/11/09  
**Date Received:** 02/03/09  
**Date/Time Sampled:** 02/03/09 07:10  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC42298**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	5210B	MWS	02/04/09	09:20
Residue, non-filterable (TSS)	13	1.0	mg/L	2540D	RLT	02/03/09	16:20
Oil & Grease	ND	2.9	mg/L	1664A	CRM	02/10/09	08:20
Phenols	ND	0.05	mg/L	420.4	VCB	02/06/09	12:35
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
2-Chlorophenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
2,4-Dichlorophenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
2,4-Dimethylphenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/04/09	17:54
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	02/04/09	17:54
2-Nitrophenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
4-Nitrophenol	ND	0.006	mg/L	625	MF	02/04/09	17:54
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/04/09	17:54
Phenol	ND	0.003	mg/L	625	MF	02/04/09	17:54
2,4,6-Trichlorophenol	ND	0.003	mg/L	625	MF	02/04/09	17:54



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 02/17/09  
**Date Received:** 02/10/09  
**Date/Time Sampled:** 02/10/09 07:12  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:**

**Sample Description:** Outfall 001

**Sample Number:** CC42510

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.5	1.0	mg/L	5210B	MWS	02/12/09	06:30
Residue, non-filterable (TSS)	14	1.0	mg/L	2540D	RLT	02/11/09	13:00
Oil & Grease	88.1	2.7	mg/L	1664A	CRM	02/13/09	12:30
Phenols	ND	0.05	mg/L	420.4	MEW	02/16/09	12:40
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/12/09	13:55
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	02/12/09	13:55
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
4-Nitrophenol	ND	0.005	mg/L	625	MF	02/12/09	13:55
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/12/09	13:55
Phenol	ND	0.002	mg/L	625	MF	02/12/09	13:55
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/12/09	13:55



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 02/24/09  
**Date Received:** 02/17/09  
**Date/Time Sampled:** 02/17/09 07:07  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC42728**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	1.8	1.0	mg/L	5210B	MWS	02/18/09	14:00
Residue, non-filterable (TSS)	12	1.0	mg/L	2540D	RLT	02/19/09	09:20
Oil & Grease	ND	2.3	mg/L	1664A	CRM	02/20/09	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	02/23/09	14:11
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/18/09	18:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	02/18/09	18:53
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
4-Nitrophenol	ND	0.005	mg/L	625	MF	02/18/09	18:53
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/18/09	18:53
Phenol	ND	0.002	mg/L	625	MF	02/18/09	18:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/18/09	18:53



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 03/09/09  
**Date Received:** 02/24/09  
**Date/Time Sampled:** 02/24/09 07:12  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Matrix:** WATER**Sample Number:** CC42973**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	5210B	MWS	02/25/09	10:10
Residue, non-filterable (TSS)	15	1.0	mg/L	2540D	RLT	02/25/09	11:45
Oil & Grease	2.8	2.6	mg/L	1664A	RLT	03/06/09	13:15
Phenols	ND	0.05	mg/L	420.4	MEW	02/27/09	11:44
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/25/09	16:09
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	02/25/09	16:09
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
4-Nitrophenol	ND	0.006	mg/L	625	MF	02/25/09	16:09
Pentachlorophenol	0.093	0.001	mg/L	625	MF	02/25/09	16:09
Phenol	ND	0.002	mg/L	625	MF	02/25/09	16:09
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/25/09	16:09



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 01/15/09  
**Date Received:** 01/06/09  
**Date/Time Sampled:** 01/06/09 07:10  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC41031**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	01/07/09	08:00
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RAH	01/07/09	14:30
Oil & Grease	2.78	2.2	mg/L	1664A	CRM	01/14/09	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	01/14/09	11:46
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/08/09	11:26
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	01/08/09	11:26
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
4-Nitrophenol	ND	0.005	mg/L	625	MF	01/08/09	11:26
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/08/09	11:26
Phenol	ND	0.002	mg/L	625	MF	01/08/09	11:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/08/09	11:26



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

**Date Reported:** 01/22/09  
**Date Received:** 01/13/09  
**Date/Time Sampled:** 01/13/09 07:08  
**Sampled by:** DC

ATTN: Ron Rutledge

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC41405**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	5210B	MWS	01/14/09	07:10
Residue, non-filterable (TSS)	ND	1.0	mg/L	2540D	RAH	01/14/09	16:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	01/21/09	08:25
Phenols	ND	0.05	mg/L	420.4	VCB	01/21/09	13:40
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/14/09	13:02
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	01/14/09	13:02
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
4-Nitrophenol	ND	0.005	mg/L	625	MF	01/14/09	13:02
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/14/09	13:02
Phenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/14/09	13:02
<b>Metals</b>							
Arsenic	ND	0.05	mg/L	200.7	BTH	01/21/09	16:58
Chromium	ND	0.05	mg/L	200.7	BTH	01/21/09	16:57
Copper	ND	0.010	mg/L	200.7	BTH	01/21/09	16:57



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 01/27/09  
**Date Received:** 01/20/09  
**Date/Time Sampled:** 01/20/09 07:12  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC41701**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	5210B	MWS	01/21/09	08:10
Oil & Grease	2.37	2.2	mg/L	1664A	CRM	01/23/09	10:20
Phenols	ND	0.05	mg/L	420.4	VCB	01/27/09	12:41
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RLT	01/21/09	09:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/21/09	14:47
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	01/21/09	14:47
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
4-Nitrophenol	ND	0.006	mg/L	625	MF	01/21/09	14:47
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/21/09	14:47
Phenol	ND	0.002	mg/L	625	MF	01/21/09	14:47
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/21/09	14:47



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**To:** Koppers Company  
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Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 02/03/09  
**Date Received:** 01/27/09  
**Date/Time Sampled:** 01/27/09 07:10  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC42072**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.3	1.0	mg/L	5210B	MWS	01/28/09	08:20
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RLT	01/28/09	12:40
Oil & Grease	ND	2.3	mg/L	1664A	CRM	02/02/09	08:25
Phenols	ND	0.05	mg/L	420.4	VCB	02/02/09	13:05
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/28/09	15:44
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	01/28/09	15:44
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
4-Nitrophenol	ND	0.006	mg/L	625	MF	01/28/09	15:44
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/28/09	15:44
Phenol	ND	0.002	mg/L	625	MF	01/28/09	15:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/28/09	15:44



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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 12/16/08  
Date Received: 12/02/08  
Date/Time Sampled: 12/02/08 07:15  
Sampled by: D. Coffey

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC39832

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	12/03/08	08:15
Residue, non-filterable (TSS)	7	1.0	mg/L	2540D	RAH	12/03/08	11:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/15/08	10:40
Phenols	ND	0.05	mg/L	420.4	VCB	12/03/08	13:48
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	12/03/08	14:48
2-Chlorophenol	ND	0.002	mg/L	625	MF	12/03/08	14:48
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	12/03/08	14:48
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	12/03/08	14:48
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	12/03/08	14:48
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	12/03/08	14:48
2-Nitrophenol	ND	0.002	mg/L	625	MF	12/03/08	14:48
4-Nitrophenol	ND	0.005	mg/L	625	MF	12/03/08	14:48
Pentachlorophenol	ND	0.001	mg/L	625	MF	12/03/08	14:48
Phenol	ND	0.002	mg/L	625	MF	12/03/08	14:48
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	12/03/08	14:48

  
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Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 12/24/08  
**Date Received:** 12/09/08  
**Date/Time Sampled:** 12/09/08 07:45  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC40215**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	12/10/08	08:30
Residue, non-filterable (TSS)	7	1.0	mg/L	2540D	RAH	12/10/08	10:10
Oil & Grease	ND	2.4	mg/L	1664A	CRM	12/23/08	12:50
Phenols	ND	0.05	mg/L	420.4	MEW	12/12/08	14:04
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
2-Chlorophenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	12/10/08	13:08
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	12/10/08	13:08
2-Nitrophenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
4-Nitrophenol	ND	0.006	mg/L	625	MF	12/10/08	13:08
Pentachlorophenol	ND	0.001	mg/L	625	MF	12/10/08	13:08
Phenol	ND	0.002	mg/L	625	MF	12/10/08	13:08
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	12/10/08	13:08



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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 12/31/08

Date Received: 12/16/08

Date/Time Sampled: 12/16/08 07:45

Sampled by: DC

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements


Sample Description: Outfall 001

Sample Number: CC40514

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	5210B	MWS	12/17/08	09:20
Oil & Grease	4.0	2.2	mg/L	1664A	RLT	12/30/08	10:00
Phenols	ND	0.05	mg/L	420.4	VCB	12/18/08	13:56
Residue, non-filterable (TSS)	6	1.0	mg/L	2540D	RAH	12/19/08	11:00
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
2-Chlorophenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	12/18/08	15:33
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	12/18/08	15:33
2-Nitrophenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
4-Nitrophenol	ND	0.005	mg/L	625	MF	12/18/08	15:33
Pentachlorophenol	0.102	0.001	mg/L	625	MF	12/18/08	15:33
Phenol	ND	0.002	mg/L	625	MF	12/18/08	15:33
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	12/18/08	15:33

  
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ATTN: Ron Rutledge

Date Reported: 01/08/09  
Date Received: 12/24/08  
Date/Time Sampled: 12/24/08 07:08  
Sampled by: D. Coffey

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC40828

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.5	1.0	mg/L	5210B	MWS	12/24/08	15:20
Residue, non-filterable (TSS)	17	1.0	mg/L	2540D	RAH	12/29/08	11:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/07/09	08:15
Phenols	ND	0.05	mg/L	420.4	VCB	12/30/08	13:38
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
2-Chlorophenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	12/29/08	17:44
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	12/29/08	17:44
2-Nitrophenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
4-Nitrophenol	ND	0.005	mg/L	625	MF	12/29/08	17:44
Pentachlorophenol	ND	0.001	mg/L	625	MF	12/29/08	17:44
Phenol	ND	0.002	mg/L	625	MF	12/29/08	17:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	12/29/08	17:44

*Kavita E. Waller*  
QA/QC Technical Director

\* See supplementary information, attached.

MP1



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Date Reported: 01/08/09  
Date Received: 12/30/08  
Date/Time Sampled: 12/30/08 07:10  
Sampled by: DC

ATTN: Ron Rutledge

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC40899

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.1	1.0	mg/L	5210B	MWS	12/31/08	10:40
Residue, non-filterable (TSS)	39	1.0	mg/L	2540D	RAH	12/30/08	17:25
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/07/09	09:25
Phenols	ND	0.05	mg/L	420.4	MEW	01/05/09	12:34
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
2-Chlorophenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	01/02/09	11:50
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	01/02/09	11:50
2-Nitrophenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
4-Nitrophenol	ND	0.006	mg/L	625	MF	01/02/09	11:50
Pentachlorophenol	ND	0.001	mg/L	625	MF	01/02/09	11:50
Phenol	ND	0.002	mg/L	625	MF	01/02/09	11:50
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	01/02/09	11:50

*Mauike E. Walling*  
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Date Reported: 01/29/08  
Date Received: 01/22/08  
Date/Time Sampled: 01/22/08 07:30  
Sampled by: RB

ATTN: Ron Rutledge

Project Number:

Project ID/Location: Facility Discharge  
Bi-Annual Requirements

Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC26554

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Copper	ND	0.010	mg/L	200.7	BTH	01/24/08	21:38
Chromium	ND	0.05	mg/L	200.7	BTH	01/24/08	21:38
Arsenic	ND	0.05	mg/L	200.7	BTH	01/24/08	21:40

  
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Date Reported: 07/21/08  
Date Received: 07/16/08  
Date/Time Sampled: 07/15/08 07:10  
Sampled by: D. Coffey

ATTN: Ron Rutledge

Project Number:

Project ID/Location: Facility Discharge  
Bi-Annual Requirements

Sample Description: Outfall 001

Sample Number: CC33994

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Copper	0.024	0.010	mg/L	200.7	BTH	07/18/08	15:59
Chromium	ND	0.05	mg/L	200.7	BTH	07/18/08	16:00
Arsenic	ND	0.05	mg/L	200.7	BTH	07/18/08	16:00

  
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ATTN: Ron Rutledge

**Date Reported:** 11/12/08  
**Date Received:** 11/04/08  
**Date/Time Sampled:** 11/04/08 07:15  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC38780**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.4	1.0	mg/L	5210B	MWS	11/05/08	09:10
Residue, non-filterable (TSS)	12	1.0	mg/L	2540D	VCB	11/06/08	15:30
Oil & Grease	ND	2.1	mg/L	1664A	CRM	11/12/08	08:25
Phenols	ND	0.05	mg/L	420.4	VCB	11/11/08	13:58
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
2-Chlorophenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	11/05/08	13:58
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	11/05/08	13:58
2-Nitrophenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
4-Nitrophenol	ND	0.006	mg/L	625	MF	11/05/08	13:58
Pentachlorophenol	ND	0.001	mg/L	625	MF	11/05/08	13:58
Phenol	ND	0.002	mg/L	625	MF	11/05/08	13:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	11/05/08	13:58



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P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 11/20/08  
**Date Received:** 11/11/08  
**Date/Time Sampled:** 11/11/08 07:20  
**Sampled by:** R. Rutledge

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC39071**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	11/13/08	07:10
Residue, non-filterable (TSS)	10	1.0	mg/L	2540D	RAH	11/12/08	10:15
Oil & Grease	ND	2.4	mg/L	1664A	CRM	11/19/08	08:25
Phenols	ND	0.05	mg/L	420.4	MEW	11/17/08	11:46
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
2-Chlorophenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	11/13/08	14:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	11/13/08	14:53
2-Nitrophenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
4-Nitrophenol	ND	0.005	mg/L	625	MF	11/13/08	14:53
Pentachlorophenol	ND	0.001	mg/L	625	MF	11/13/08	14:53
Phenol	ND	0.002	mg/L	625	MF	11/13/08	14:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	11/13/08	14:53



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 12/01/08  
**Date Received:** 11/18/08  
**Date/Time Sampled:** 11/18/08 07:11  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC39374**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.2	1.0	mg/L	5210B	MWS	11/19/08	10:30
Residue, non-filterable (TSS)	24	1.0	mg/L	2540D	RAH	11/19/08	12:20
Oil & Grease	ND	2.2	mg/L	1664A	CRM	11/26/08	08:45
Phenols	ND	0.05	mg/L	420.4	VCB	11/24/08	14:00
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
2-Chlorophenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	11/19/08	16:59
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	11/19/08	16:59
2-Nitrophenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
4-Nitrophenol	ND	0.006	mg/L	625	MF	11/19/08	16:59
Pentachlorophenol	ND	0.001	mg/L	625	MF	11/19/08	16:59
Phenol	ND	0.002	mg/L	625	MF	11/19/08	16:59
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	11/19/08	16:59



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**To:** Koppers Company  
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ATTN: Ron Rutledge

**Date Reported:** 12/12/08  
**Date Received:** 11/25/08  
**Date/Time Sampled:** 11/25/08 07:12  
**Sampled by:** D. Coffey

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Matrix:** WATER**Sample Number:** CC39704**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	5210B	MWS	11/26/08	10:20
Residue, non-filterable (TSS)	13	1.0	mg/L	2540D	RAH	11/25/08	17:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/11/08	10:25
Phenols	ND	0.05	mg/L	420.4	VCB	12/03/08	13:48
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	11/26/08	17:23
2-Chlorophenol	ND	0.002	mg/L	625	MF	11/26/08	17:23
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	11/26/08	17:23
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	11/26/08	17:23
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	11/26/08	17:23
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	11/26/08	17:23
2-Nitrophenol	ND	0.002	mg/L	625	MF	11/26/08	17:23
4-Nitrophenol	ND	0.005	mg/L	625	MF	11/26/08	17:23
Pentachlorophenol	0.003	0.001	mg/L	625	MF	11/26/08	17:23
Phenol	ND	0.002	mg/L	625	MF	11/26/08	17:23
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	11/26/08	17:23



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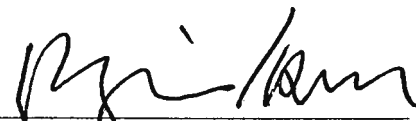
ATTN: Ron Rutledge

**Date Reported:** 10/15/08  
**Date Received:** 10/07/08  
**Date/Time Sampled:** 10/07/08 07:00  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC37613**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	73.1	1.0	mg/L	5210B	MWS	10/08/08	13:45
Residue, non-filterable (TSS)	10	1.0	mg/L	2540D	RAH	10/08/08	09:05
Oil & Grease	ND	2.7	mg/L	1664A	CRM	10/14/08	10:35
Phenols	ND	0.05	mg/L	420.4	MEW	10/10/08	14:20
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
2-Chlorophenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	10/09/08	14:34
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	10/09/08	14:34
2-Nitrophenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
4-Nitrophenol	ND	0.006	mg/L	625	MF	10/09/08	14:34
Pentachlorophenol	ND	0.001	mg/L	625	MF	10/09/08	14:34
Phenol	ND	0.002	mg/L	625	MF	10/09/08	14:34
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	10/09/08	14:34



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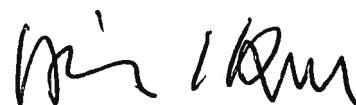
ATTN: Ron Rutledge

**Date Reported:** 10/31/08  
**Date Received:** 10/15/08  
**Date/Time Sampled:** 10/14/08 07:11  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC37950**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	5210B	MWS	10/15/08	10:05
Residue, non-filterable (TSS)	9	1.0	mg/L	2540D	RAH	10/16/08	12:20
Oil & Grease	ND	2.2	mg/L	1664A	CRM	10/30/08	10:25
Phenols	0.14	0.05	mg/L	420.4	VCB	10/16/08	11:23
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
2-Chlorophenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	10/15/08	13:59
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	10/15/08	13:59
2-Nitrophenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
4-Nitrophenol	ND	0.005	mg/L	625	MF	10/15/08	13:59
Pentachlorophenol	0.262	0.002	mg/L	625	MF	10/15/08	13:59
Phenol	ND	0.002	mg/L	625	MF	10/15/08	13:59
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	10/15/08	13:59



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Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 11/04/08  
**Date Received:** 10/22/08  
**Date/Time Sampled:** 10/21/08 07:08  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC38196**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	10/22/08	09:40
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RAH	10/22/08	15:40
Oil & Grease	ND	2.5	mg/L	1664A	CRM	11/04/08	10:25
Phenols	ND	0.05	mg/L	420.4	MEW	10/27/08	11:43
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
2-Chlorophenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	10/22/08	17:39
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	10/22/08	17:39
2-Nitrophenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
4-Nitrophenol	ND	0.006	mg/L	625	MF	10/22/08	17:39
Pentachlorophenol	0.004	0.001	mg/L	625	MF	10/22/08	17:39
Phenol	ND	0.002	mg/L	625	MF	10/22/08	17:39
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	10/22/08	17:39



QA/QC Technical Director

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**  
235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

Date Reported: 11/10/08  
Date Received: 10/28/08  
Date/Time Sampled: 10/28/08 07:10  
Sampled by: DC

ATTN: Ron Rutledge

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC38532

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	5210B	MWS	10/29/08	13:50
Residue, non-filterable (TSS)	14	1.0	mg/L	2540D	RAH	10/29/08	14:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	11/07/08	08:25
Phenols	ND	0.05	mg/L	420.4	VCB	11/05/08	14:39
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
2-Chlorophenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	10/29/08	20:58
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	10/29/08	20:58
2-Nitrophenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
4-Nitrophenol	ND	0.006	mg/L	625	MF	10/29/08	20:58
Pentachlorophenol	ND	0.001	mg/L	625	MF	10/29/08	20:58
Phenol	ND	0.002	mg/L	625	MF	10/29/08	20:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	10/29/08	20:58

  
QA/QC Technical Director

\* See supplementary information, attached.

MP1

# MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control Laboratory  
1542 Old Whitfield Road  
Pearl MS 39208  
601-961-5701

Koppers Inc  
Water Pretreatment  
MSP090300  
CMI

Grenada County-Tie Plant, MS

## Sample Results

To: WAYNE STOVER LYNNE BURRELL		Study: COMPLIANCE
Sample ID: AA37316		County: 043 GRENADA
Location Name: KOPPERS INC		Basin:
Location Description: TREATED WASTEWATER CONSISTING OF WATER		QA Type:
Location Code: COMPLIANCE		Division Code: 5700
Other No.:		Requested By: WAYNE STOVER
Permit No.: MSP090300		Date Collected: 09/18/2008
Discharge No.: MSP090300-001		Time Collected: 10:52
Master AI No.: 876		Sample Collector: LBURRELL
Latitude:		Delivery Mode: DOUGLAS
Longitude:		Received at Lab by: TAMMY SAWYER
		Date Received at Lab: 09/19/2008
		Time Received at Lab: 0855

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST
Flow mgd		0.020635	MGD	0	LBURRELL
pH, Field Measurement	150.1	7.91	pH units		LBURRELL
Temperature, Water	170.1	29.0	degrees C	0	LBURRELL
Arsenic, Total	200.7	<MQL	ug/L	50.0	BBRUCE
Chromium, Total	200.7	<MQL	ug/L	10.0	BBRUCE
Copper, Total	200.7	<MQL	ug/L	10.0	BBRUCE
2,4,6-Tribromophenol	8270	86	%	10-123	JSHELL
2-Fluorophenol	8270	59	%	21-100	JSHELL
Phenol-d5	8270	77	%	10-194	JSHELL
Pentachlorophenol	8270	<MQL	µg/L	100	JSHELL
Biochemical Oxygen Demand, 5 Day	SM 5210B	8	mg/L	2	KFARRIS
Oil & Grease, Total Hexane	1664A	<MQL	mg/L	5	VSTAMPS
Phenols, Total Recoverable	10-210-00-1-B	<MQL	mg/L	0.05	KFARRIS
Solids, Total Suspended	SM 2540 D	4	mg/L	4	OCLARK

ug/L: micrograms/Liter  
mg/L: milligrams/Liter  
mg/kg: milligrams/kilogram  
ug/g: micrograms/gram  
ppm: parts per million  
ppb: parts per billion

#### ABBREVIATIONS / DEFINITIONS

<: less than  
MCL: Maximum Contaminant Level  
MDL: Method Detection Limit  
LSPC: result less than lower specification  
USPC: result greater than upper specification  
TIE: Tentatively Identified or Estimated

>: greater than  
z: surrogate  
COC Date: Date Chain of Custody Signed  
COC TIME: Time Chain of Custody

#### SAMPLE COMMENTS

SAMPLE LOCATION: REMOVED FROM THE CONDITIONING OF WOOD  
BOILER BLO

ENVIRONMENT CONDITION: WARM AND SUNNY

WHERE TAKEN: EFFLUENT VALVE ON DICHARGE LINE TO CITY SEWER

Sample Validation Date 11/05/2008

Validated By



Date Report Printed 11/05/2008



**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 09/09/08  
Date Received: 09/02/08  
Date/Time Sampled: 09/02/08 07:05  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC36134

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	5210B	MWS	09/04/08	07:05
Residue, non-filterable (TSS)	15	1.0	mg/L	2540D	RAH	09/03/08	11:00
Oil & Grease	3.15	2.2	mg/L	1664A	CRM	09/04/08	15:15
Phenols	0.06	0.05	mg/L	420.4	VCB	09/05/08	13:31
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
2-Chlorophenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
2,4-Dichlorophenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
2,4-Dimethylphenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	09/03/08	17:58
2,4-Dinitrophenol	ND	0.010	mg/L	625	MF	09/03/08	17:58
2-Nitrophenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
4-Nitrophenol	ND	0.010	mg/L	625	MF	09/03/08	17:58
Pentachlorophenol	ND	0.002	mg/L	625	MF	09/03/08	17:58
Phenol	ND	0.004	mg/L	625	MF	09/03/08	17:58
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	MF	09/03/08	17:58

OCT 2008



B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 09/17/08  
**Date Received:** 09/09/08  
**Date/Time Sampled:** 09/09/08 07:07  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC36480**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen-Demand	13.8	1.0	mg/L	5210B	MWS	09/11/08	06:55
Residue, non-filterable (TSS)	6	1.0	mg/L	2540D	RAH	09/12/08	11:00
Oil & Grease	ND	2.1	mg/L	1664A	CRM	09/15/08	08:40
Phenols	0.06	0.05	mg/L	420.4	VCB	09/16/08	14:08
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
2-Chlorophenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
2,4-Dichlorophenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
2,4-Dimethylphenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	09/11/08	12:33
2,4-Dinitrophenol	ND	0.010	mg/L	625	MF	09/11/08	12:33
2-Nitrophenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
4-Nitrophenol	ND	0.010	mg/L	625	MF	09/11/08	12:33
Pentachlorophenol	ND	0.002	mg/L	625	MF	09/11/08	12:33
Phenol	ND	0.004	mg/L	625	MF	09/11/08	12:33
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	MF	09/11/08	12:33

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 09/22/08  
**Date Received:** 09/16/08  
**Date/Time Sampled:** 09/16/08 07:10  
**Sampled by:** R. Rutledge

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC36736**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.5	1.0	mg/L	5210B	MWS	09/17/08	09:10
Residue, non-filterable (TSS)	11	1.0	mg/L	2540D	RAH	09/18/08	12:15
Oil & Grease	ND	2.0	mg/L	1664A	RLT	09/18/08	11:45
Phenols	ND	0.05	mg/L	420.4	VCB	09/19/08	13:38
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
2-Chlorophenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	09/17/08	14:19
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	09/17/08	14:19
2-Nitrophenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
4-Nitrophenol	ND	0.005	mg/L	625	MF	09/17/08	14:19
Pentachlorophenol	ND	0.001	mg/L	625	MF	09/17/08	14:19
Phenol	ND	0.002	mg/L	625	MF	09/17/08	14:19
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	09/17/08	14:19

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 09/29/08  
**Date Received:** 09/23/08  
**Date/Time Sampled:** 09/23/08 07:00  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC37021**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	15.0	1.0	mg/L	5210B	MWS	09/24/08	08:15
Residue, non-filterable (TSS)	3	1.0	mg/L	2540D	RAH	09/24/08	16:15
Oil & Grease	ND	2.3	mg/L	1664A	CRM	09/25/08	08:30
Phenols	ND	0.05	mg/L	420.4	VCB	09/25/08	13:05
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
2-Chlorophenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	09/25/08	13:52
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	09/25/08	13:52
2-Nitrophenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
4-Nitrophenol	ND	0.006	mg/L	625	MF	09/25/08	13:52
Pentachlorophenol	ND	0.001	mg/L	625	MF	09/25/08	13:52
Phenol	ND	0.002	mg/L	625	MF	09/25/08	13:52
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	09/25/08	13:52



B. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 10/08/08  
Date Received: 09/30/08  
Date/Time Sampled: 09/30/08 07:08  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

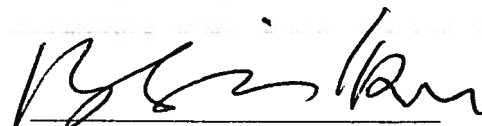
Sample Description: Outfall 001

Sample Number: CC37342

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	10/01/08	09:20
Residue, non-filterable (TSS)	4	1.0	mg/L	2540D	RAH	10/02/08	13:30
Oil & Grease	ND	2.5	mg/L	1664A	CRM	10/02/08	09:45
Phenols	ND	0.05	mg/L	420.4	VCB	10/03/08	12:56
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
2-Chlorophenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
2,4-Dichlorophenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
2,4-Dimethylphenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	10/02/08	14:45
2,4-Dinitrophenol	ND	0.010	mg/L	625	MF	10/02/08	14:45
2-Nitrophenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
4-Nitrophenol	ND	0.010	mg/L	625	MF	10/02/08	14:45
Pentachlorophenol	ND	0.002	mg/L	625	MF	10/02/08	14:45
Phenol	ND	0.004	mg/L	625	MF	10/02/08	14:45
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	MF	10/02/08	14:45



B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

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Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 08/19/08  
**Date Received:** 08/07/08  
**Date/Time Sampled:** 08/07/08 07:12  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:**

**Sample Description:** Outfall 001

**Sample Number:** CC35039

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	5210B	MWS	08/08/08	09:10
Residue, non-filterable (TSS)	5	1.0	mg/L	2540D	VCB	08/08/08	14:30
Oil & Grease	ND	2.5	mg/L	1664A	CRM	08/18/08	10:50
Phenols	ND	0.05	mg/L	420.4	MEW	08/14/08	12:01
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
2-Chlorophenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
2,4-Dichlorophenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
2,4-Dimethylphenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	MF	08/11/08	14:48
2,4-Dinitrophenol	ND	0.011	mg/L	625	MF	08/11/08	14:48
2-Nitrophenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
4-Nitrophenol	ND	0.011	mg/L	625	MF	08/11/08	14:48
Pentachlorophenol	0.127	0.002	mg/L	625	MF	08/11/08	14:48
Phenol	ND	0.004	mg/L	625	MF	08/11/08	14:48
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	MF	08/11/08	14:48



B. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 08/27/08  
Date Received: 08/12/08  
Date/Time Sampled: 08/12/08 07:07  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC35193

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.9	1.0	mg/L	5210B	MWS	08/13/08	08:00
Residue, non-filterable (TSS)	6	1.0	mg/L	2540D	VCB	08/13/08	15:30
Oil & Grease	ND	2.8	mg/L	1664A	CRM	08/26/08	11:30
Phenols	0.07	0.05	mg/L	420.4	MEW	08/14/08	12:01
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
2-Chlorophenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	08/13/08	13:56
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	08/13/08	13:56
2-Nitrophenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
4-Nitrophenol	ND	0.006	mg/L	625	MF	08/13/08	13:56
Pentachlorophenol	ND	0.001	mg/L	625	MF	08/13/08	13:56
Phenol	ND	0.002	mg/L	625	MF	08/13/08	13:56
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	08/13/08	13:56

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

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235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 09/03/08  
**Date Received:** 08/19/08  
**Date/Time Sampled:** 08/19/08 07:00  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:**

**Sample Description:** Outfall 001

**Sample Number:** CC35498

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.3	1.0	mg/L	5210B	MWS	08/20/08	08:35
Residue, non-filterable (TSS)	8	1.0	mg/L	2540D	VCB	08/19/08	14:00
Oil & Grease	ND	2.0	mg/L	1664A	RLT	08/29/08	10:00
Phenols	0.07	0.05	mg/L	420.4	MEW	08/21/08	13:38
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
2-Chlorophenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	08/21/08	12:57
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	08/21/08	12:57
2-Nitrophenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
4-Nitrophenol	ND	0.005	mg/L	625	MF	08/21/08	12:57
Pentachlorophenol	ND	0.001	mg/L	625	MF	08/21/08	12:57
Phenol	ND	0.002	mg/L	625	MF	08/21/08	12:57
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	08/21/08	12:57

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 09/03/08  
Date Received: 08/26/08  
Date/Time Sampled: 08/26/08 07:00  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC35834

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	17.6	1.0	mg/L	5210B	MWS	08/28/08	07:00
Residue, non-filterable (TSS)	18	1.0	mg/L	2540D	RAH	08/27/08	15:00
Oil & Grease	3.30	2.2	mg/L	1664A	RLT	09/02/08	11:30
Phenols	ND	0.05	mg/L	420.4	MEW	08/28/08	13:23
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
2-Chlorophenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	08/28/08	15:21
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	08/28/08	15:21
2-Nitrophenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
4-Nitrophenol	ND	0.005	mg/L	625	MF	08/28/08	15:21
Pentachlorophenol	0.012	0.001	mg/L	625	MF	08/28/08	15:21
Phenol	ND	0.002	mg/L	625	MF	08/28/08	15:21
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	08/28/08	15:21



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Ridgeland, Mississippi 39157

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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 07/16/08  
**Date Received:** 07/09/08  
**Date/Time Sampled:** 07/09/08 07:15  
**Sampled by:** DW

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC33699**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.4	1.0	mg/L	5210B	DBM	07/10/08	09:35
Residue, non-filterable (TSS)	10	1.0	mg/L	2540D	RAH	07/10/08	12:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	07/16/08	12:10
Phenols	ND	0.05	mg/L	420.4	VCB	07/14/08	13:06
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
2-Chlorophenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	07/10/08	11:12
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	07/10/08	11:12
2-Nitrophenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
4-Nitrophenol	ND	0.006	mg/L	625	MF	07/10/08	11:12
Pentachlorophenol	ND	0.001	mg/L	625	MF	07/10/08	11:12
Phenol	ND	0.002	mg/L	625	MF	07/10/08	11:12
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	07/10/08	11:12



B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960


ATTN: Ron Rutledge

**Date Reported:** 07/25/08  
**Date Received:** 07/16/08  
**Date/Time Sampled:** 07/15/08 07:10  
**Sampled by:** D. Coffey

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC33993**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	21.0	1.0	mg/L	5210B	DBM	07/17/08	07:00
Residue, non-filterable (TSS)	23	1.0	mg/L	2540D	RAH	07/17/08	17:00
Oil & Grease	ND	2.5	mg/L	1664A	CRM	07/24/08	13:45
Phenols	ND	0.05	mg/L	420.4	VCB	07/23/08	13:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	07/18/08	10:44
2-Chlorophenol	ND	0.002	mg/L	625	MF	07/18/08	10:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	07/18/08	10:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	07/18/08	10:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	07/18/08	10:44
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	07/18/08	10:44
2-Nitrophenol	ND	0.002	mg/L	625	MF	07/18/08	10:44
4-Nitrophenol	ND	0.006	mg/L	625	MF	07/18/08	10:44
Pentachlorophenol	0.006	0.001	mg/L	625	MF	07/18/08	10:44
Phenol	ND	0.002	mg/L	625	MF	07/18/08	10:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	07/18/08	10:44

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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NELAP Accredited  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 07/29/08  
**Date Received:** 07/22/08  
**Date/Time Sampled:** 07/22/08 07:11  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:**

**Sample Description:** Outfall 001

**Sample Number:** CC34282

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.1	1.0	mg/L	5210B	DBM	07/23/08	09:20
Residue, non-filterable (TSS)	13	1.0	mg/L	2540D	MWS	07/23/08	14:45
Oil & Grease	ND	2.5	mg/L	1664A	CRM	07/28/08	12:05
Phenols	ND	0.05	mg/L	420.4	MEW	07/29/08	12:15
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
2-Chlorophenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	07/23/08	19:47
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	07/23/08	19:47
2-Nitrophenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
4-Nitrophenol	ND	0.006	mg/L	625	MF	07/23/08	19:47
Pentachlorophenol	0.015	0.001	mg/L	625	MF	07/23/08	19:47
Phenol	ND	0.002	mg/L	625	MF	07/23/08	19:47
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	07/23/08	19:47

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 06/09/08  
Date Received: 06/03/08  
Date/Time Sampled: 06/03/08 07:11  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

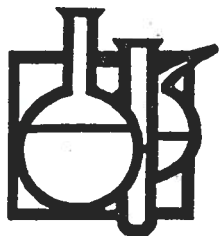
Sample Number: CC31765

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	5210B	MWS	06/04/08	08:15
Residue, non-filterable (TSS)	27	1.0	mg/L	2540D	RAH	06/04/08	11:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/05/08	10:35
Phenols	ND	0.05	mg/L	420.4	MEW	06/05/08	11:23
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/04/08	23:12
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	06/04/08	23:12
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
4-Nitrophenol	ND	0.005	mg/L	625	MF	06/04/08	23:12
Pentachlorophenol	0.004	0.001	mg/L	625	MF	06/04/08	23:12
Phenol	ND	0.002	mg/L	625	MF	06/04/08	23:12
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/04/08	23:12

  
B. G. Giessner, Ph.D.



# GUARDIAN SYSTEMS, INC.

1108 Ashville Road  
P.O. Box 190  
Leeds, Alabama 35094

Telephone 205/ 699-6647  
Wats 866/729-7211  
Fax 205/699-3882

Page: 1

Koppers, Inc.  
1 Koppers Drive  
Tie Plant, MS 38960

Report Date: 6/20/08  
Receive Date: 6/12/08  
Receive Time: 10:30

Attention: Mr. Ron Rutledge

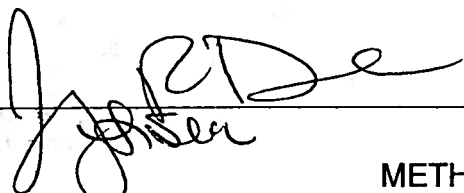
Control No : 0806-00135 Sample # 001  
Sampler : RR  
Sample ID : 001A

Sample Date: 6/11/08  
Sample Time: 8:00

## LABORATORY CERTIFICATE

PARAMETER	RESULTS	UNITS	ANAL DATE	TIME	METHOD
Biochemical Oxygen Demand	1.	mg/L	LSC 6/18/08	9:00	SM 5210B (2)
BOD, Initial Set-up			LSC 6/13/08	8:00	
BOD, Final Read Back			LSC 6/18/08	9:00	
EPA Method 625			JRD 6/16/08	11:40	
Pentachlorophenol	<5.0	ug/L	JRD 6/16/08	11:40	625 (1)
Phenolics(4AAP)	<0.04	mg/L	MJN 6/19/08	15:00	420.1 (1)
Oil and Grease, Total	<5.0	mg/L	LSC 6/12/08	18:00	1664 (1)
Solids, Total Suspended	12.	mg/L	LSC 6/16/08	13:00	SM-2540D (2)

Approved by: \_\_\_\_\_



## METHOD REFERENCES

- (1) Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-20, revised March 1983, August 1993, May 1994
- (2) Standard Methods for the Examination of Water and Waste Water, 18th, 19th, and 20th Edition, 1998
- (3) Test Methods for Evaluating Solid Wastes Physical Chemical Method SW-846, 3rd Edition, Updated IV December 1996
- (4) 1987 ASTM Annual Standards
- (5) Code of Federal Regulations, Title 40, Part 136, Appendix A, Revised July 1995
- (6) Methods for the Determination of Organic Compounds in Drinking Water, EPA-600/4-88/039, Revised July 1991, August 1995
- (7) NIOSH Manual of Analytical Methods, 4th Edition, May 1996

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/24/08  
**Date Received:** 06/17/08  
**Date/Time Sampled:** 06/17/08 07:12  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001  
**Sample Matrix:** WATER

**Sample Number:** CC32343

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	5210B	MWS	06/18/08	07:50
Residue, non-filterable (TSS)	21	1.0	mg/L	2540D	RAH	06/19/08	14:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/24/08	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	06/20/08	12:28
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/18/08	16:10
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	06/18/08	16:10
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
4-Nitrophenol	ND	0.006	mg/L	625	MF	06/18/08	16:10
Pentachlorophenol	0.006	0.001	mg/L	625	MF	06/18/08	16:10
Phenol	ND	0.002	mg/L	625	MF	06/18/08	16:10
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/18/08	16:10

  
B. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
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NELAP Accredited -  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 07/03/08  
**Date Received:** 06/24/08  
**Date/Time Sampled:** 06/24/08 07:10  
**Sampled by:** DC

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001

**Sample Number:** CC32732

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	5210B	DBM	06/25/08	10:30
Residue, non-filterable (TSS)	19	1.0	mg/L	2540D	RAH	06/25/08	14:30
Oil & Grease	ND	2.2	mg/L	1664A	CRM	06/30/08	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	07/03/08	12:53
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
2-Chlorophenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	06/25/08	14:00
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	06/25/08	14:00
2-Nitrophenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
4-Nitrophenol	ND	0.006	mg/L	625	MF	06/25/08	14:00
Pentachlorophenol	0.006	0.001	mg/L	625	MF	06/25/08	14:00
Phenol	ND	0.002	mg/L	625	MF	06/25/08	14:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	06/25/08	14:00



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NELAP Accredited  
LEIAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 05/14/08  
Date Received: 05/06/08  
Date/Time Sampled: 05/06/08 07:10  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC30698

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	5210B	MWS	05/07/08	10:20
Residue, non-filterable (TSS)	20	1.0	mg/L	2540D	RAH	05/07/08	12:10
Oil & Grease	ND	2.4	mg/L	1664A	CRM	05/13/08	12:10
Phenols	ND	0.05	mg/L	420.4	MEW	05/14/08	12:48
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/08/08	15:17
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/08/08	15:17
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/08/08	15:17
Pentachlorophenol	0.005	0.001	mg/L	625	MF	05/08/08	15:17
Phenol	ND	0.002	mg/L	625	MF	05/08/08	15:17
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/08/08	15:17

  
B. G. Giesner, Ph.D.

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 05/22/08  
Date Received: 05/13/08  
Date/Time Sampled: 05/13/08 07:11  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC30999

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	05/14/08	10:35
Residue, non-filterable (TSS)	15	1.0	mg/L	2540D	RAH	05/14/08	11:20
Oil & Grease	ND	2.2	mg/L	1664A	CRM	05/20/08	10:20
Phenols	ND	0.05	mg/L	420.4	MEW	05/22/08	11:12
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/14/08	02:51
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	05/14/08	02:51
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
4-Nitrophenol	ND	0.005	mg/L	625	MF	05/14/08	02:51
Pentachlorophenol	0.003	0.001	mg/L	625	MF	05/14/08	02:51
Phenol	ND	0.002	mg/L	625	MF	05/14/08	02:51
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/14/08	02:51

  
B. G. Glemmer, Ph.D.

\* See supplementary information, attached.

MP1



**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 05/27/08  
**Date Received:** 05/20/08  
**Date/Time Sampled:** 05/20/08 07:11  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC31301**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	5210B	MWS	05/22/08	06:55
Residue, non-filterable (TSS)	28	1.0	mg/L	2540D	RAH	05/21/08	15:45
Oil & Grease	ND	2.3	mg/L	1664A	CRM	05/23/08	12:00
Phenols	ND	0.05	mg/L	420.4	MEW	05/22/08	11:12
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/21/08	17:26
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/21/08	17:26
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/21/08	17:26
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/21/08	17:26
Phenol	ND	0.002	mg/L	625	MF	05/21/08	17:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/21/08	17:26

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

Date Reported: 06/05/08  
Date Received: 05/27/08  
Date/Time Sampled: 05/27/08 07:06  
Sampled by: DC

ATTN: Ron Rutledge

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC31512

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	05/28/08	10:25
Residue, non-filterable (TSS)	16	1.0	mg/L	2540D	RAH	05/28/08	11:50
Oil & Grease	ND	2.2	mg/L	1664A	CRM	05/30/08	13:00
Phenols	ND	0.05	mg/L	420.4	MEW	06/05/08	11:23
<b>Phenolics</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/28/08	17:13
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/28/08	17:13
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/28/08	17:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/28/08	17:13
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/28/08	17:13
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/28/08	17:13
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/28/08	17:13
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/28/08	17:13
Pentachlorophenol	ND	0.001	mg/L	625	MF	05/28/08	17:13
Phenol	ND	0.002	mg/L	625	MF	05/28/08	17:13
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/28/08	17:13



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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/16/08  
Date Received: 04/08/08  
Date/Time Sampled: 04/08/08 07:05  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC29535

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	12.6	1.0	mg/L	5210B	MWS	04/09/08	07:50
Residue, non-filterable (TSS)	42	1.0	mg/L	2540D	RAH	04/09/08	08:20
Oil & Grease	ND	2.6	mg/L	1664A	CRM	04/11/08	12:40
Phenols	ND	0.05	mg/L	420.4	MEW	04/14/08	11:38
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.035	mg/L	625	MF	04/09/08	16:05
2-Chlorophenol	ND	0.035	mg/L	625	MF	04/09/08	16:05
2,4-Dichlorophenol	ND	0.035	mg/L	625	MF	04/09/08	16:05
2,4-Dimethylphenol	ND	0.035	mg/L	625	MF	04/09/08	16:05
4,6-Dinitro-2-methylphenol	ND	0.018	mg/L	625	MF	04/09/08	16:05
2,4-Dinitrophenol	ND	0.088	mg/L	625	MF	04/09/08	16:05
2-Nitrophenol	ND	0.035	mg/L	625	MF	04/09/08	16:05
4-Nitrophenol	ND	0.088	mg/L	625	MF	04/09/08	16:05
Pentachlorophenol	0.800	0.018	mg/L	625	MF	04/09/08	16:05
Phenol	ND	0.035	mg/L	625	MF	04/09/08	16:05
2,4,6-Trichlorophenol	ND	0.035	mg/L	625	MF	04/09/08	16:05

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/21/08  
Date Received: 04/15/08  
Date/Time Sampled: 04/15/08 07:20  
Sampled by: R. Rutledge

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC29885

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.2	1.0	mg/L	5210B	MWS	04/16/08	14:20
Residue, non-filterable (TSS)	36	1.0	mg/L	2540D	RAH	04/16/08	12:00
Oil & Grease	ND	2.6	mg/L	1664A	CRM	04/18/08	08:30
Phenols	ND	0.05	mg/L	420.4	MEW	04/21/08	12:25
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/16/08	12:57
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	04/16/08	12:57
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
4-Nitrophenol	ND	0.005	mg/L	625	MF	04/16/08	12:57
Pentachlorophenol	0.025	0.001	mg/L	625	MF	04/16/08	12:57
Phenol	ND	0.002	mg/L	625	MF	04/16/08	12:57
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/16/08	12:57



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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 05/07/08  
**Date Received:** 04/22/08  
**Date/Time Sampled:** 04/22/08 07:03  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC30114**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.9	1.0	mg/L	5210B	MWS	04/23/08	09:40
Residue, non-filterable (TSS)	20	1.0	mg/L	2540D	RAH	04/23/08	16:50
Oil & Grease	ND	2.3	mg/L	1664A	CRM	04/30/08	10:10
Phenols	ND	0.05	mg/L	420.4	MEW	04/24/08	12:00
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/23/08	16:33
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	04/23/08	16:33
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
4-Nitrophenol	ND	0.005	mg/L	625	MF	04/23/08	16:33
Pentachlorophenol	0.007	0.001	mg/L	625	MF	04/23/08	16:33
Phenol	ND	0.002	mg/L	625	MF	04/23/08	16:33
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/23/08	16:33

  
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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 05/06/08  
**Date Received:** 04/29/08  
**Date/Time Sampled:** 04/29/08 07:09  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC30404**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	04/30/08	13:20
Residue, non-filterable (TSS)	12	1.0	mg/L	2540D	RAH	02/29/08	17:00
Oil & Grease	ND	2.5	mg/L	1664A	CRM	05/06/08	08:35
Phenols	ND	0.05	mg/L	420.4	MEW	05/05/08	12:10
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
2-Chlorophenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	05/01/08	10:44
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	05/01/08	10:44
2-Nitrophenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
4-Nitrophenol	ND	0.006	mg/L	625	MF	05/01/08	10:44
Pentachlorophenol	0.005	0.001	mg/L	625	MF	05/01/08	10:44
Phenol	ND	0.002	mg/L	625	MF	05/01/08	10:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	05/01/08	10:44



B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

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NELAP Accredited  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 03/14/08  
**Date Received:** 03/04/08  
**Date/Time Sampled:** 03/04/08 07:00  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:**

**Sample Description:** Outfall 001

**Sample Number:** CC28200

**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	5210B	MWS	03/05/08	08:45
Residue, non-filterable (TSS)	23	1.0	mg/L	2540D	RAH	03/05/08	12:00
Oil & Grease	ND	2.4	mg/L	1664A	CRM	03/12/08	08:45
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/05/08	19:59
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	03/05/08	19:59
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
4-Nitrophenol	ND	0.006	mg/L	625	MF	03/05/08	19:59
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/05/08	19:59
Phenol	ND	0.002	mg/L	625	MF	03/05/08	19:59
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/05/08	19:59

  
B. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 03/19/08  
Date Received: 03/11/08  
Date/Time Sampled: 03/11/08 07:05  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC28471

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.4	1.0	mg/L	5210B	MWS	03/12/08	09:40
Residue, non-filterable (TSS)	51	1.0	mg/L	2540D	RAH	03/13/08	09:56
Oil & Grease	ND	2.0	mg/L	1664A	CRM	03/19/08	08:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/13/08	10:16
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	03/13/08	10:16
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
4-Nitrophenol	ND	0.005	mg/L	625	MF	03/13/08	10:16
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/13/08	10:16
Phenol	ND	0.002	mg/L	625	MF	03/13/08	10:16
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/13/08	10:16

  
B. G. Giessner, Ph.D.



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NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 03/27/08  
**Date Received:** 03/18/08  
**Date/Time Sampled:** 03/18/08 07:10  
**Sampled by:** DC

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC28784**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	5210B	MWS	03/19/08	10:00
Residue, non-filterable (TSS)	38	1.0	mg/L	2540D	RAH	03/19/08	18:25
Oil & Grease	ND	2.5	mg/L	1664A	CRM	03/25/08	10:15
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/19/08	18:09
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	03/19/08	18:09
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
4-Nitrophenol	ND	0.006	mg/L	625	MF	03/19/08	18:09
Pentachlorophenol	ND	0.001	mg/L	625	MF	03/19/08	18:09
Phenol	ND	0.002	mg/L	625	MF	03/19/08	18:09
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/19/08	18:09

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/03/08  
Date Received: 03/25/08  
Date/Time Sampled: 03/25/08 07:05  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC29016

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	25.5	1.0	mg/L	5210B	MWS	03/26/08	09:10
Residue, non-filterable (TSS)	48	1.0	mg/L	2540D	RAH	03/27/08	08:40
Oil & Grease	ND	2.3	mg/L	1664A	CRM	03/31/08	08:35
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
2-Chlorophenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	03/26/08	18:31
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	03/26/08	18:31
2-Nitrophenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
4-Nitrophenol	ND	0.006	mg/L	625	MF	03/26/08	18:31
Pentachlorophenol	0.009	0.001	mg/L	625	MF	03/26/08	18:31
Phenol	ND	0.002	mg/L	625	MF	03/26/08	18:31
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	03/26/08	18:31



B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

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235 Highpoint Drive

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/08/08  
Date Received: 04/01/08  
Date/Time Sampled: 04/01/08 07:08  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC29246

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	12.0	1.0	mg/L	5210B	MWS	04/02/08	10:05
Residue, non-filterable (TSS)	71	1.0	mg/L	2540D	RAH	04/02/08	11:45
Oil & Grease	ND	2.7	mg/L	1664A	CRM	04/03/08	10:20
Phenols	ND	0.05	mg/L	420.4	MEW	04/03/08	12:46
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
2-Chlorophenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	04/02/08	17:07
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	04/02/08	17:07
2-Nitrophenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
4-Nitrophenol	ND	0.006	mg/L	625	MF	04/02/08	17:07
Pentachlorophenol	0.006	0.001	mg/L	625	MF	04/02/08	17:07
Phenol	ND	0.002	mg/L	625	MF	04/02/08	17:07
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	04/02/08	17:07

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 02/12/08  
Date Received: 02/05/08  
Date/Time Sampled: 02/05/08 07:15  
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC27035

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	5210B	MWS	02/06/08	09:50
Residue, non-filterable (TSS)	35	1.0	mg/L	2540D	RAH	02/06/08	13:00
Oil & Grease	ND	2.2	mg/L	1664A	CRM	02/11/08	08:35
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
2-Chlorophenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	02/07/08	11:04
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	02/07/08	11:04
2-Nitrophenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
4-Nitrophenol	ND	0.005	mg/L	625	RM	02/07/08	11:04
Pentachlorophenol	ND	0.001	mg/L	625	RM	02/07/08	11:04
Phenol	ND	0.002	mg/L	625	RM	02/07/08	11:04
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	02/07/08	11:04

  
B. G. Giessner, Ph.D.

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 02/20/08  
Date Received: 02/12/08  
Date/Time Sampled: 02/12/08 07:20  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC27346

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	5210B	MWS	02/13/08	12:00
Residue, non-filterable (TSS)	43	1.0	mg/L	2540D	RAH	02/13/08	13:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	02/19/08	08:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/13/08	17:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	MF	02/13/08	17:53
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
4-Nitrophenol	ND	0.005	mg/L	625	MF	02/13/08	17:53
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/13/08	17:53
Phenol	ND	0.002	mg/L	625	MF	02/13/08	17:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/13/08	17:53



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\* See supplementary information, attached.

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NELAP Accredited  
LELAP 04823

To: Koppers Company  
P.O. Box 160  
Tic Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 02/28/08  
Date Received: 02/19/08  
Date/Time Sampled: 02/18/08 07:05  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC27682

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	27.0	1.0	mg/L	5210B	MWS	02/20/08	07:00
Residue, non-filterable (TSS)	409	1.0	mg/L	2540D	RAH	02/20/08	11:50
Oil & Grease	ND	2.3	mg/L	1664A	CRM	02/26/08	09:15
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/21/08	13:28
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	02/21/08	13:28
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
4-Nitrophenol	ND	0.006	mg/L	625	MF	02/21/08	13:28
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/21/08	13:28
Phenol	ND	0.002	mg/L	625	MF	02/21/08	13:28
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/21/08	13:28

  
B. G. Giesmer, Ph.D.

\* See supplementary information, attached.

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NEIAP Accredited  
LEIAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 03/03/08  
Date Received: 02/26/08  
Date/Time Sampled: 02/26/08 07:05  
Sampled by: DC

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC27916

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.5	1.0	mg/L	5210B	MWS	02/27/08	08:55
Residue, non-filterable (TSS)	42	1.0	mg/L	2540D	RAH	02/29/08	09:40
Oil & Grease	ND	2.5	mg/L	1664A	CRM	02/29/08	10:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	MF	02/27/08	17:00
2-Chlorophenol	ND	0.002	mg/L	625	MF	02/27/08	17:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	MF	02/27/08	17:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	MF	02/27/08	17:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	MF	02/27/08	17:00
2,4-Dinitrophenol	ND	0.006	mg/L	625	MF	02/27/08	17:00
2-Nitrophenol	ND	0.002	mg/L	625	MF	02/27/08	17:00
4-Nitrophenol	ND	0.006	mg/L	625	MF	02/27/08	17:00
Pentachlorophenol	ND	0.001	mg/L	625	MF	02/27/08	17:00
Phenol	ND	0.002	mg/L	625	MF	02/27/08	17:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	MF	02/27/08	17:00

  
B. G. Giesner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

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NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 01/09/08  
Date Received: 01/02/08  
Date/Time Sampled: 01/02/08 09:05  
Sampled by: RB

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC25637

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	25.5	1.0	mg/L	5210B	MWS	01/03/08	09:25
Residue, non-filterable (TSS)	39	1.0	mg/L	2540D	RAH	01/03/08	12:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/08/08	10:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
2-Chlorophenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	01/04/08	11:27
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	01/04/08	11:27
2-Nitrophenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
4-Nitrophenol	ND	0.005	mg/L	625	RM	01/04/08	11:27
Pentachlorophenol	ND	0.001	mg/L	625	RM	01/04/08	11:27
Phenol	ND	0.002	mg/L	625	RM	01/04/08	11:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	01/04/08	11:27



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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 01/15/08  
**Date Received:** 01/08/08  
**Date/Time Sampled:** 01/08/08 07:15  
**Sampled by:** RB

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC25829**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	22.5	1.0	mg/L	5210B	MWS	01/09/08	08:40
Residue, non-filterable (TSS)	18	1.0	mg/L	2540D	RAH	01/10/08	12:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/15/08	08:25
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
2-Chlorophenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	01/10/08	10:42
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	01/10/08	10:42
2-Nitrophenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
4-Nitrophenol	ND	0.005	mg/L	625	RM	01/10/08	10:42
Pentachlorophenol	ND	0.001	mg/L	625	RM	01/10/08	10:42
Phenol	ND	0.002	mg/L	625	RM	01/10/08	10:42
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	01/10/08	10:42

  
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**ARGUS ANALYTICAL, INC.**

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Ridgeland, Mississippi 39157

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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 01/24/08  
**Date Received:** 01/15/08  
**Date/Time Sampled:** 01/15/08 07:20  
**Sampled by:** R. Branch

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC26316**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.4	1.0	mg/L	5210B	MWS	01/16/08	10:40
Residue, non-filterable (TSS)	41	1.0	mg/L	2540D	RAH	01/17/08	13:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/24/08	08:30
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
2-Chlorophenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	01/16/08	21:06
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	01/16/08	21:06
2-Nitrophenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
4-Nitrophenol	ND	0.005	mg/L	625	RM	01/16/08	21:06
Pentachlorophenol	ND	0.001	mg/L	625	RM	01/16/08	21:06
Phenol	ND	0.002	mg/L	625	RM	01/16/08	21:06
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	01/16/08	21:06

  
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235 Highpoint Drive  
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NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 01/29/08  
**Date Received:** 01/22/08  
**Date/Time Sampled:** 01/22/08 07:35  
**Sampled by:** RB

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC26553**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	25.5	1.0	mg/L	5210B	MWS	01/23/08	16:35
Residue, non-filterable (TSS)	160	1.0	mg/L	2540D	RAH	01/23/08	13:05
Oil & Grease	ND	2.3	mg/L	1664A	CRM	01/28/08	10:50
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	01/24/08	11:06
2-Chlorophenol	ND	0.002	mg/L	625	RM	01/24/08	11:06
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	01/24/08	11:06
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	01/24/08	11:06
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	01/24/08	11:06
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	01/24/08	11:06
2-Nitrophenol	ND	0.002	mg/L	625	RM	01/24/08	11:06
4-Nitrophenol	ND	0.005	mg/L	625	RM	01/24/08	11:06
Pentachlorophenol	0.015	0.001	mg/L	625	RM	01/24/08	11:06
Phenol	ND	0.002	mg/L	625	RM	01/24/08	11:06
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	01/24/08	11:06

  
B. G. Giessner, Ph.D.

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235 Highpoint Drive  
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NELAP Accredited  
LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 02/06/07  
**Date Received:** 01/30/07  
**Date/Time Sampled:** 01/30/07 07:20  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:**

**Sample Description:** Outfall 001

**Sample Number:** CC12403

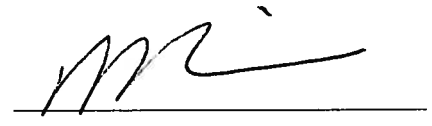
**Sample Matrix:** WATER

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.6	1.0	mg/L	405.1	MWS	01/31/07	14:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	02/01/07	10:30
Total Suspended Solids	87	1.0	mg/L	160.2	SMB	02/02/07	09:15
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2-Chlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	02/01/07	14:10
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	02/01/07	14:10
2-Nitrophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
4-Nitrophenol	ND	0.006	mg/L	625	RLT	02/01/07	14:10
Pentachlorophenol	ND	0.001	mg/L	625	RLT	02/01/07	14:10
Phenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10



Quality Assurance/Quality Control



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To: Koppers Company  
P.O. Box 160  
Tic Plant, MS 38960

Date Reported: 01/04/08  
Date Received: 12/26/07  
Date/Time Sampled: 12/26/07 09:05  
Sampled by: R. Branch

ATTN: Ron Rutledge

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC25473

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.1	1.0	mg/L	5210B	3	12/26/07	17:00
Residue, non-filterable (TSS)	23	1.0	mg/L	2540D	RAH	12/27/07	15:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/04/08	08:30
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
2-Chlorophenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	12/31/07	18:38
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	12/31/07	18:38
2-Nitrophenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
4-Nitrophenol	ND	0.005	mg/L	625	RM	12/31/07	18:38
Pentachlorophenol	ND	0.001	mg/L	625	RM	12/31/07	18:38
Phenol	ND	0.002	mg/L	625	RM	12/31/07	18:38
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	12/31/07	18:38

  
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Telephone: 601/957-2676 FAX: 601/957-1887

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 01/02/08  
Date Received: 12/19/07  
Date/Time Sampled: 12/19/07 09:12  
Sampled by: RB

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC25231

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	5210B	MWS	10/21/07	08:15
Residue, non-filterable (TSS)	31	1.0	mg/L	2540D	RAH	12/21/07	11:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/02/08	08:25
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
2-Chlorophenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	12/21/07	10:17
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	12/21/07	10:17
2-Nitrophenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
4-Nitrophenol	ND	0.005	mg/L	625	RM	12/21/07	10:17
Pentachlorophenol	ND	0.001	mg/L	625	RM	12/21/07	10:17
Phenol	ND	0.002	mg/L	625	RM	12/21/07	10:17
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	12/21/07	10:17

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

Date Reported: 12/21/07  
Date Received: 12/13/07  
Date/Time Sampled: 12/13/07 07:10  
Sampled by: RB

ATTN: Ron Rutledge

**Project Number:**

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Matrix: WATER

Sample Number: CC24901

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	5210B	MWS	12/14/07	10:05
Residue, non-filterable (TSS)	36	1.0	mg/L	2540D	SMB	12/14/07	08:00
Oil & Grease	ND	2.3	mg/L	1664A	CRM	12/20/07	08:45
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	12/17/07	10:42
2-Chlorophenol	ND	0.002	mg/L	625	RM	12/17/07	10:42
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	12/17/07	10:42
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	12/17/07	10:42
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	12/17/07	10:42
2,4-Dinitrophenol	ND	0.006	mg/L	625	RM	12/17/07	10:42
2-Nitrophenol	ND	0.002	mg/L	625	RM	12/17/07	10:42
4-Nitrophenol	ND	0.006	mg/L	625	RM	12/17/07	10:42
Pentachlorophenol	ND	0.001	mg/L	625	RM	12/17/07	10:42
Phenol	ND	0.002	mg/L	625	RM	12/17/07	10:42
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	12/17/07	10:42

  
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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 12/10/07  
**Date Received:** 12/04/07  
**Date/Time Sampled:** 12/04/07 07:30  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC24450**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	16.5	1.0	mg/L	5210B	MWS	12/05/07	13:15
Residue, non-filterable (TSS)	71	1.0	mg/L	2540D	RAH	12/06/07	10:10
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/05/07	09:20
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
2-Chlorophenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
2,4-Dichlorophenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RM	12/05/07	18:13
2,4-Dinitrophenol	ND	0.005	mg/L	625	RM	12/05/07	18:13
2-Nitrophenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
4-Nitrophenol	ND	0.005	mg/L	625	RM	12/05/07	18:13
Pentachlorophenol	0.001	0.001	mg/L	625	RM	12/05/07	18:13
Phenol	ND	0.002	mg/L	625	RM	12/05/07	18:13
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RM	12/05/07	18:13

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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NELAP Accredited  
NELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

Date Reported: 12/04/07  
Date Received: 11/27/07  
Date/Time Sampled: 11/27/07 07:15  
Sampled by: R. Branch

ATTN: Ron Rutledge

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC24200

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	13.5	1.0	mg/L	5210B	MWS	11/28/07	10:40
Residue, non-filterable (TSS)	66	1.0	mg/L	2540D	RAH	11/28/07	11:35
Oil & Grease	7.33	6.7	mg/L	1664A	CRM	11/30/07	08:30
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/28/07	19:33
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/28/07	19:33
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/28/07	19:33
Pentachlorophenol	0.013	0.001	mg/L	625	RLT	11/28/07	19:33
Phenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/28/07	19:33



  
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\* See supplementary information, attached.

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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

Date Reported: 11/27/07  
Date Received: 11/20/07  
Date/Time Sampled: 11/20/07 09:07  
Sampled by: R. Branch

ATTN: Ron Rutledge

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001


Sample Number: CC24068


Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	22.5	1.0	mg/L	5210B	MWS	11/21/07	10:10
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/27/07	08:10
Residue, non-filterable (TSS)	47	1.0	mg/L	2540D	RAH	11/21/07	15:40
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/21/07	19:17
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/21/07	19:17
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/21/07	19:17
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/21/07	19:17
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/21/07	19:17
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	11/21/07	19:17
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/21/07	19:17
4-Nitrophenol	ND	0.006	mg/L	625	RLT	11/21/07	19:17
Pentachlorophenol	0.004	0.001	mg/L	625	RLT	11/21/07	19:17
Phenol	ND	0.002	mg/L	625	RLT	11/21/07	19:17
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/21/07	19:17



  
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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 11/20/07  
**Date Received:** 11/13/07  
**Date/Time Sampled:** 11/13/07 07:20  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC23804**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	13.8	1.0	mg/L	5210B	MWS	11/14/07	15:15
Residue, non-filterable (TSS)	34	1.0	mg/L	2540D	MWS	11/19/07	10:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/19/07	10:10
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/15/07	16:12
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/15/07	16:12
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/15/07	16:12
Pentachlorophenol	ND	0.001	mg/L	625	RLT	11/15/07	16:12
Phenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/15/07	16:12



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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 11/16/07  
**Date Received:** 11/06/07  
**Date/Time Sampled:** 11/06/07 07:12  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC23496**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.9	1.0	mg/L	5210B	MWS	11/07/07	11:30
Residue, non-filterable (TSS)	32	1.0	mg/L	2540D	RAH	11/09/07	08:55
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/15/07	08:10
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/07/07	20:50
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/07/07	20:50
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/07/07	20:50
Pentachlorophenol	0.010	0.001	mg/L	625	RLT	11/07/07	20:50
Phenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/07/07	20:50



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B. G. Giessner, Ph.D.

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NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 10/16/07  
**Date Received:** 10/02/07  
**Date/Time Sampled:** 10/02/07 07:15  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC21894**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.3	1.0	mg/L	405.1	MWS	10/03/07	16:20
Residue, non-filterable (TSS)	13	1.0	mg/L	160.2	RAH	10/03/07	13:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	10/16/07	08:45
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
2-Chlorophenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	10/04/07	10:47
2,4-Dinitrophenol	ND	0.005	mg/L	625	KRE	10/04/07	10:47
2-Nitrophenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
4-Nitrophenol	ND	0.005	mg/L	625	KRE	10/04/07	10:47
Pentachlorophenol	ND	0.001	mg/L	625	KRE	10/04/07	10:47
Phenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	10/04/07	10:47



Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 10/19/07  
**Date Received:** 10/09/07  
**Date/Time Sampled:** 10/09/07 07:15  
**Sampled by:** RB

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC22211**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	13.8	1.0	mg/L	405.1	MWS	10/10/07	09:40
Residue, non-filterable (TSS)	37	1.0	mg/L	160.2	RAH	10/15/07	10:00
Oil & Grease	ND	3.3	mg/L	1664A	CRM	10/19/07	10:00
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/11/07	14:25
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/11/07	14:25
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/11/07	14:25
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	10/11/07	14:25
Phenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/11/07	14:25



*Robert Thompson*  
Quality Assurance/Quality Control

*B. G. Giessner*  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

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235 Highpoint Drive

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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 10/24/07  
**Date Received:** 10/17/07  
**Date/Time Sampled:** 10/16/07 07:17  
**Sampled by:** R. Branch

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC22463**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	405.1	MWS	10/17/07	10:15
Residue, non-filterable (TSS)	49	1.0	mg/L	160.2	RAH	10/17/07	11:40
Oil & Grease	ND	2.0	mg/L	1664A	SMB	10/23/07	08:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/18/07	19:13
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/18/07	19:13
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/18/07	19:13
Pentachlorophenol	0.007	0.001	mg/L	625	RLT	10/18/07	19:13
Phenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/18/07	19:13



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

**Date Reported:** 11/05/07  
**Date Received:** 10/23/07  
**Date/Time Sampled:** 10/23/07 07:30  
**Sampled by:** K. Coker

ATTN: Ron Rutledge

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC22768**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	405.1	MWS	10/24/07	13:00
Residue, non-filterable (TSS)	28	1.0	mg/L	160.2	RAH	10/23/07	17:20
Oil & Grease	ND	2.2	mg/L	1664A	CRM	11/05/07	08:25
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/24/07	19:04
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/24/07	19:04
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/24/07	19:04
Pentachlorophenol	0.175	0.001	mg/L	625	RLT	10/24/07	19:04
Phenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/24/07	19:04



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**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 11/08/07  
**Date Received:** 10/31/07  
**Date/Time Sampled:** 10/30/07 07:20  
**Sampled by:** R. Branch

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC23197**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	10/31/07	14:50
Residue, non-filterable (TSS)	22	1.0	mg/L	160.2	RAH	10/31/07	12:10
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/08/07	08:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/31/07	18:00
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	10/31/07	18:00
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
4-Nitrophenol	ND	0.006	mg/L	625	RLT	10/31/07	18:00
Pentachlorophenol	ND	0.001	mg/L	625	RLT	10/31/07	18:00
Phenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/31/07	18:00



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\* See supplementary information, attached.

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 09/11/07  
Date Received: 09/05/07  
Date/Time Sampled: 09/05/07 09:16  
Sampled by: RB

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC20804


Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	405.1	MWS	09/06/07	09:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	09/07/07	10:25
Residue, non-filterable (TSS)	12	1.0	mg/L	160.2	SMB	09/07/07	14:18
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/06/07	19:05
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/06/07	19:05
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/06/07	19:05
Pentachlorophenol	0.004	0.001	mg/L	625	RLT	09/06/07	19:05
Phenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/06/07	19:05



  
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\* See supplementary information, attached.

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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 09/17/07  
**Date Received:** 09/11/07  
**Date/Time Sampled:** 09/11/07 07:10  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC20978**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	405.1	MWS	09/12/07	09:35
Oil & Grease	ND	2.0	mg/L	1664A	CRM	09/14/07	10:15
Residue, non-filterable (TSS)	13	1.0	mg/L	160.2	SMB	09/13/07	09:15
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/12/07	21:19
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/12/07	21:19
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/12/07	21:19
Pentachlorophenol	0.039	0.001	mg/L	625	RLT	09/12/07	21:19
Phenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/12/07	21:19



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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 09/25/07  
Date Received: 09/18/07  
Date/Time Sampled: 09/18/07 07:10  
Sampled by: R. Branch

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC21244

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	16.5	1.0	mg/L	405.1	MWS	09/19/07	13:15
Oil & Grease	16	2.0	mg/L	1664A	CRM	09/25/07	08:22
Residue, non-filterable (TSS)	20	1.0	mg/L	160.2	SMB	09/21/07	13:54
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
2-Chlorophenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	09/20/07	10:44
2,4-Dinitrophenol	ND	0.006	mg/L	625	KRE	09/20/07	10:44
2-Nitrophenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
4-Nitrophenol	ND	0.006	mg/L	625	KRE	09/20/07	10:44
Pentachlorophenol	0.049	0.001	mg/L	625	KRE	09/20/07	10:44
Phenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	09/20/07	10:44



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\* See supplementary information, attached.

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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 10/02/07  
**Date Received:** 09/25/07  
**Date/Time Sampled:** 09/25/07 07:20  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC21567**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	405.1	MWS	09/26/07	10:05
Oil & Grease	ND	2.0	mg/L	1664A	CRM	10/02/07	08:45
Residue, non-filterable (TSS)	35	1.0	mg/L	160.2	SMB	09/27/07	09:37
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
2-Chlorophenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	09/27/07	00:55
2,4-Dinitrophenol	ND	0.005	mg/L	625	KRE	09/27/07	00:55
2-Nitrophenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
4-Nitrophenol	ND	0.005	mg/L	625	KRE	09/27/07	00:55
Pentachlorophenol	0.121	0.001	mg/L	625	KRE	09/27/07	00:55
Phenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	09/27/07	00:55



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\* See supplementary information, attached.

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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 08/16/07  
**Date Received:** 08/10/07  
**Date/Time Sampled:** 08/09/07 07:20  
**Sampled by:** RB

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001

**Sample Matrix:** WATER

**Sample Number:** CC19865

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.6	1.0	mg/L	405.1	MWS	08/10/07	13:45
Oil & Grease	ND	2.0	mg/L	1664A	CRM	08/15/07	08:15
Residue, non-filterable (TSS)	72	1.0	mg/L	160.2	SMB	08/10/07	14:07
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/13/07	11:27
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/13/07	11:27
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/13/07	11:27
Pentachlorophenol	0.004	0.001	mg/L	625	RLT	08/13/07	11:27
Phenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/13/07	11:27



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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 08/21/07  
Date Received: 08/14/07  
Date/Time Sampled: 08/14/07 07:10  
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Matrix: WATER

Sample Number: CC20018

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.9	1.0	mg/L	405.1	MWS	08/15/07	13:20
Oil & Grease	ND	2.1	mg/L	1664A	CRM	08/17/07	09:00
Residue, non-filterable (TSS)	178	1.0	mg/L	160.2	SMB	08/16/07	08:20
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/15/07	20:20
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/15/07	20:20
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/15/07	20:20
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	08/15/07	20:20
Phenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/15/07	20:20



Quality Assurance/Quality Control

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 08/30/07  
Date Received: 08/24/07  
Date/Time Sampled: 08/24/07 07:20  
Sampled by: R. Branch

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC20500

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	405.1	MWS	08/24/07	14:55
Oil & Grease	ND	2.0	mg/L	1664A	CRM	08/30/07	08:45
Residue, non-filterable (TSS)	34	1.0	mg/L	160.2	SMB	08/27/07	14:17
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/27/07	16:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/27/07	16:53
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/27/07	16:53
Pentachlorophenol	0.007	0.001	mg/L	625	RLT	08/27/07	16:53
Phenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/27/07	16:53



*Robert Thompson*  
Quality Assurance/Quality Control

*B. G. Giesner*  
B. G. Giesner, Ph.D.

\* See supplementary information, attached.

MP1



**ARGUS ANALYTICAL, INC.**

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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 09/04/07  
Date Received: 08/28/07  
Date/Time Sampled: 08/28/07 07:10  
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Matrix: WATER

Sample Number: CC20554

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	405.1	MWS	08/30/07	07:05
Oil & Grease	ND	6.7	mg/L	1664A	CRM	08/31/07	08:45
Residue, non-filterable (TSS)	17	1.0	mg/L	160.2	SMB	08/30/07	09:10
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/29/07	15:19
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/29/07	15:19
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/29/07	15:19
Pentachlorophenol	0.010	0.001	mg/L	625	RLT	08/29/07	15:19
Phenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/29/07	15:19



*Robert Thompson*  
Quality Assurance/Quality Control

*B. G. Giesmer*  
B. G. Giesmer, Ph.D.

\* See supplementary information, attached.

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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 07/11/07  
**Date Received:** 07/03/07  
**Date/Time Sampled:** 07/03/07 09:25  
**Sampled by:** RB

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC18569**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	405.1	MWS	07/05/07	09:10
Oil & Grease	ND	6.7	mg/L	1664A	CRM	07/09/07	08:30
Residue, non-filterable (TSS)	21	1.0	mg/L	160.2	MWS	07/05/07	16:15
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/05/07	15:44
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/05/07	15:44
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/05/07	15:44
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/05/07	15:44
Phenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/05/07	15:44



Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 07/16/07  
Date Received: 07/10/07  
Date/Time Sampled: 07/10/07 07:10  
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC18732

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.0	1.0	mg/L	405.1	MWS	07/11/07	10:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	07/13/07	08:15
Residue, non-filterable (TSS)	40	1.0	mg/L	160.2	SMB	07/11/07	10:30
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/11/07	11:49
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/11/07	11:49
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/11/07	11:49
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/11/07	11:49
Phenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/11/07	11:49



*Robert Thompson*  
Quality Assurance/Quality Control

*B. G. Giessner Ph.D.*  
B. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 07/25/07  
Date Received: 07/17/07  
Date/Time Sampled: 07/17/07 07:18  
Sampled by: RB

**Project Number:**

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC19079

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	2.4	1.0	mg/L	405.1	MWS	07/18/07	10:40
Residue, non-filterable (TSS)	14	1.0	mg/L	160.2	SMB	07/19/07	08:52
Oil & Grease	ND	2.0	mg/L	1664A	CRM	07/23/07	14:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/18/07	17:11
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/18/07	17:11
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/18/07	17:11
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/18/07	17:11
Phenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/18/07	17:11

  
Quality Assurance/Quality Control  
B. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
PO Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 07/31/07  
**Date Received:** 07/24/07  
**Date/Time Sampled:** 07/24/07 07:15  
**Sampled by:** RB

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC19327**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	405.1	MWS	07/25/07	07:40
Residue, non-filterable (TSS)	29	1.0	mg/L	160.2	SMB	07/27/07	10:30
Oil & Grease	ND	2.3	mg/L	1664A	CRM	07/27/07	09:00
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/25/07	18:34
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	07/25/07	18:34
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
4-Nitrophenol	ND	0.006	mg/L	625	RLT	07/25/07	18:34
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/25/07	18:34
Phenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/25/07	18:34



Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 08/06/07  
Date Received: 07/31/07  
Date/Time Sampled: 07/31/07 07:15  
Sampled by: RB

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC19536

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.6	1.0	mg/L	405.1	MWS	08/01/07	08:25
Oil & Grease	ND	2.3	mg/L	1664A	CRM	08/02/07	10:25
Residue, non-filterable (TSS)	13	1.0	mg/L	160.2	SMB	08/02/07	11:25
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/01/07	17:20
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/01/07	17:20
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/01/07	17:20
Pentachlorophenol	ND	0.001	mg/L	625	RLT	08/01/07	17:20
Phenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/01/07	17:20



Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

# MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control  
1542 Old Whitfield Road  
Pearl, MS 39208  
601-664-3900

## COMPLIANCE MONITORING REPORT

To: AZZAM ABU MIRSHID RANDY JONES	
Sample ID: AA33252	QA Type:
Facility Name: KOPPERS INDUSTRIES INC	Date Collected: 05/17/2007
Sampling Loc: TOTAL FACILITY DISCHARGE	Time Collected: 14:00
Site ID: COMPLIANCE	Sample Collector: RJONES
Discharge No: MSP090300-001	To Lab: DOUGLAS
Other No:	Sample Type: WASTEWATER
Permit No: MSP090300	Date Received: 05/18/2007
Latitude:	Time Received: 1005
Longitude:	Received By: TAMMY SAWYER
County: 043 GRENADA	Project: 5700
	Study: COMPLIANCE

ANALYTE	METHOD	RESULT	UNIT	MQL	ANALYST
✓ Flow mgd		0.011	MGD	0	RJONES
✓ pH, Field Measurement	150.1	7.53	pH units		RJONES
Temperature, Water	170.1	15.9	deg C	0	RJONES
✓ Arsenic, Total	200.7	<MQL	ug/L	50.0	BBRUCE
✓ Chromium, Total	200.7	<MQL	ug/L	10.0	BBRUCE
✓ Copper, Total	200.7	<MQL	ug/L	10.0	BBRUCE
✓ Nickel, Total	200.7	29.9	ug/L	10.0	BBRUCE
✓ Zinc, Total	200.7	<MQL	ug/L	100	BBRUCE
✓ Pentachlorophenol Compliance	625	Trace (6.70)	µg/L	50	JSHELL
✓ Biochemical Oxygen Demand, 5 Day	405.1	12	mg/L	2	KFARRIS
✓ Oil & Grease, Total Hexane	1664A	<MQL	mg/L	5	OCLARK
✓ Phenols, Total Recoverable	10-210-00-1-B	<MQL	mg/L	0.05	KFARRIS
✓ Solids, Total Suspended	160.2	106	mg/L	4	VSTAMPS

## ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter  
mg/L: milligrams/Liter  
mg/kg:  
milligrams/kilogram  
ug/g: micrograms/gram  
ppm: parts per million  
ppb: parts per billion

<: less than  
MQL: Maximum Quantifiable Level  
MDL: Method Detection Limit  
LSPC: result less than lower specification  
USPC: result greater than upper specification  
TIE: Tentatively Identified or Estimated  
>: greater than

COC Date: Date Chain of Custody Signed  
COC Time: Time Chain of Custody Signed

### SAMPLE COMMENTS:

ENVIRONMENT CONDITION: SUNNY AND WARM

WHERE TAKEN: EFFLUENT PIPE

Validation Date: 07/11/2007

Validated By: D. J. S.

Print Date: 07/12/2007







STATE OF MISSISSIPPI  
HALEY BARBOUR  
GOVERNOR  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
TRUDY D. FISHER, EXECUTIVE DIRECTOR

July 13, 2007

Mr. Kevin Coker  
Koppers  
P.O. Box 160  
Tie Plant, Mississippi 38960

Dear Mr. Coker:

Enclosed please find a copy of the analytical report for wastewater samples collected by our office on May 17, 2007.

If you have any questions, please call me at (601) 961-5050.

Sincerely,

  
Azzam Abumirshid, P.E., BCEE  
Environmental Compliance & Enforcement Division  
Timber and Wood Products Branch

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/13/07  
**Date Received:** 06/05/07  
**Date/Time Sampled:** 06/05/07 07:20  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC17365**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	ND	1.0	mg/L	405.1	MWS	06/06/07	16:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	06/12/07	08:18
Residue, non-filterable (TSS)	52	1.0	mg/L	160.2	SMB	06/06/07	12:37
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/06/07	18:24
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	06/06/07	18:24
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
4-Nitrophenol	ND	0.006	mg/L	625	RLT	06/06/07	18:24
Pentachlorophenol	ND	0.001	mg/L	625	RLT	06/06/07	18:24
Phenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/06/07	18:24

  
Quality Assurance/Quality Control

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960


ATTN: Ron Rutledge

**Date Reported:** 06/19/07  
**Date Received:** 06/12/07  
**Date/Time Sampled:** 06/12/07 07:15  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC17685**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.0	1.0	mg/L	405.1	MWS	06/13/07	10:20
Oil & Grease	ND	2.0	mg/L	1664A	SMB	06/18/07	07:45
Residue, non-filterable (TSS)	41	1.0	mg/L	160.2	SMB	06/14/07	08:30
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/13/07	14:07
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/13/07	14:07
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/13/07	14:07
Pentachlorophenol	ND	0.001	mg/L	625	RLT	06/13/07	14:07
Phenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/13/07	14:07



Quality Assurance/Quality Control



B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 06/25/07  
Date Received: 06/19/07  
Date/Time Sampled: 06/19/07 07:15  
Sampled by: R. Branch

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:


Sample Description: Outfall 001

Sample Number: CC17946

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.2	1.0	mg/L	405.1	MWS	06/20/07	14:00
Oil & Grease	ND	2.1	mg/L	1664A	CRM	06/22/07	10:05
Residue, non-filterable (TSS)	30	1.0	mg/L	160.2	SMB	06/20/07	11:00
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/20/07	13:58
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/20/07	13:58
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/20/07	13:58
Pentachlorophenol	ND	0.001	mg/L	625	RLT	06/20/07	13:58
Phenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/20/07	13:58

  
Quality Assurance/Quality Control

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 07/02/07  
Date Received: 06/26/07  
Date/Time Sampled: 06/26/07 07:10  
Sampled by: R. Branch

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC18217

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	405.1	MWS	06/27/07	06:40
Residue, non-filterable (TSS)	103	1.0	mg/L	160.2	RAH	06/26/07	12:00
Oil & Grease	ND	2.8	mg/L	1664A	CRM	06/29/07	08:30
<b>Phenolic Compounds</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/27/07	15:04
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/27/07	15:04
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/27/07	15:04
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	06/27/07	15:04
Phenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/27/07	15:04

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 05/14/07  
Date Received: 05/08/07  
Date/Time Sampled: 05/08/07 07:30  
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC16152

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	405.1	MWS	05/09/07	08:15
Oil & Grease	ND	6.7	mg/L	1664A	CRM	05/10/07	13:05
Total Suspended Solids	79	1.0	mg/L	160.2	SMB	05/10/07	09:10
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/09/07	18:15
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/09/07	18:15
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/09/07	18:15
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/09/07	18:15
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/09/07	18:15
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/09/07	18:15
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/09/07	18:15
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/09/07	18:15
Pentachlorophenol	ND	0.001	mg/L	625	RLT	05/09/07	18:15
Phenol	ND	0.002	mg/L	625	RLT	05/09/07	18:15
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/09/07	18:15

  
Quality Assurance/Quality Control  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1



**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited

LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 05/21/07  
Date Received: 05/15/07  
Date/Time Sampled: 05/15/07 08:15  
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC16500

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	405.1	MWS	05/16/07	10:10
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/16/07	08:25
Total Suspended Solids	55	1.0	mg/L	160.2	SMB	05/17/07	11:34
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/16/07	18:29
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/16/07	18:29
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/16/07	18:29
Pentachlorophenol	ND	0.001	mg/L	625	RLT	05/16/07	18:29
Phenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/16/07	18:29

  
Quality Assurance/Quality Control  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
Ridgeland, Mississippi 39157  
Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited  
LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 05/29/07  
Date Received: 05/22/07  
Date/Time Sampled: 05/22/07 07:20  
Sampled by: R. Branch

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC16837

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	05/24/07	07:15
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/25/07	08:20
Total Suspended Solids	96	1.0	mg/L	160.2	SMB	05/22/07	14:17
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
2-Chlorophenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	05/23/07	19:15
2,4-Dinitrophenol	ND	0.005	mg/L	625	KRE	05/23/07	19:15
2-Nitrophenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
4-Nitrophenol	ND	0.005	mg/L	625	KRE	05/23/07	19:15
Pentachlorophenol	ND	0.001	mg/L	625	KRE	05/23/07	19:15
Phenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	05/23/07	19:15

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive  
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NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 06/04/07  
**Date Received:** 05/29/07  
**Date/Time Sampled:** 05/29/07 07:15  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC17116**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	405.1	MWS	05/30/07	08:30
Oil & Grease	ND	2.0	mg/L	1664A	SMB	05/31/07	14:15
Total Suspended Solids	58	1.0	mg/L	160.2	SMB	05/31/07	08:04
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
2-Chlorophenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
2,4-Dichlorophenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
2,4-Dimethylphenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	KRE	05/31/07	10:39
2,4-Dinitrophenol	ND	0.005	mg/L	625	KRE	05/31/07	10:39
2-Nitrophenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
4-Nitrophenol	ND	0.005	mg/L	625	KRE	05/31/07	10:39
Pentachlorophenol	ND	0.001	mg/L	625	KRE	05/31/07	10:39
Phenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	KRE	05/31/07	10:39



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NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 04/10/07  
**Date Received:** 04/03/07  
**Date/Time Sampled:** 04/03/07 07:40  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001

**Sample Matrix:** WATER

**Project Number:**

**Sample Number:** CC14816

**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	405.1	MWS	04/04/07	09:35
Oil & Grease	ND	2.1	mg/L	1664A	CRM	04/10/07	09:00
Total Suspended Solids	36	1.0	mg/L	160.2	SMB	04/05/07	08:28
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/04/07	19:26
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/04/07	19:26
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/04/07	19:26
Pentachlorophenol	0.001	0.001	mg/L	625	RLT	04/04/07	19:26
Phenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/04/07	19:26

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

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NELAP Accredited  
NELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/16/07  
Date Received: 04/10/07  
Date/Time Sampled: 04/10/07 07:25  
Sampled by: R. Branch

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC15068

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	405.1	MWS	04/11/07	11:25
Oil & Grease	ND	2.2	mg/L	1664A	SMB	04/12/07	09:45
Total Suspended Solids	38	1.0	mg/L	160.2	JWH	04/12/07	11:48
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/11/07	19:58
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/11/07	19:58
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/11/07	19:58
Pentachlorophenol	0.013	0.001	mg/L	625	RLT	04/11/07	19:58
Phenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/11/07	19:58

  
Quality Assurance/Quality Control

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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Ridgeland, Mississippi 39157  
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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/23/07  
Date Received: 04/17/07  
Date/Time Sampled: 04/17/07 07:15  
Sampled by: R. Branch

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC15316

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	405.1	MWS	04/18/07	17:20
Oil & Grease	ND	2.0	mg/L	1664A	SMB	04/19/07	08:20
Total Suspended Solids	84	1.0	mg/L	160.2	SMB	04/18/07	14:39
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/17/07	18:01
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/17/07	18:01
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/17/07	18:01
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	04/17/07	18:01
Phenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/17/07	18:01



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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 04/30/07  
Date Received: 04/24/07  
Date/Time Sampled: 04/24/07 07:25  
Sampled by: R. Branch

**Project Number:**

Project ID/Location: Facility Discharge  
Weekly Requirements

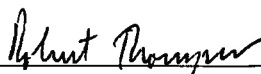
Sample Description: Outfall 001

Sample Number: CC15590

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	405.1	MWS	04/25/07	10:20
Oil & Grease	2.58	2.1	mg/L	1664A	SMB	04/27/07	08:30
Total Suspended Solids	93	1.0	mg/L	160.2	SMB	04/26/07	08:36
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/25/07	13:43
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/25/07	13:43
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/25/07	13:43
Pentachlorophenol	ND	0.001	mg/L	625	RLT	04/25/07	13:43
Phenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/25/07	13:43

  
Quality Assurance/Quality Control  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

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LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 05/07/07  
Date Received: 05/01/07  
Date/Time Sampled: 05/01/07 07:04  
Sampled by: KC

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Matrix: WATER

Sample Number: CC15891

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.9	1.0	mg/L	405.1	MWS	05/02/07	09:05
Oil & Grease	ND	2.0	mg/L	1664A	CRM	05/04/07	08:30
Total Suspended Solids	99	1.0	mg/L	160.2	SMB	05/01/07	14:40
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/02/07	11:19
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	05/02/07	11:19
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
4-Nitrophenol	ND	0.006	mg/L	625	RLT	05/02/07	11:19
Pentachlorophenol	ND	0.001	mg/L	625	RLT	05/02/07	11:19
Phenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/02/07	11:19



Quality Assurance/Quality Control



B. G. Giesner, Ph.D.

\* See supplementary information, attached.

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**ARGUS ANALYTICAL, INC.**

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Ridgeland, Mississippi 39157  
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NELAP Accredited  
LELAP 04023

To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 03/13/07  
Date Received: 03/06/07  
Date/Time Sampled: 03/06/07 07:10  
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Matrix: WATER

Sample Number: CC13659

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	19.5	1.0	mg/L	405.1	MWS	03/07/07	09:10
Oil & Grease	2.9	2.0	mg/L	1664A	CRM	03/12/07	08:45
Total Suspended Solids	85	1.0	mg/L	160.2	SMB	03/07/07	10:35
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
2,4-Dimethylphenol	0.004	0.002	mg/L	625	RLT	03/06/07	18:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/06/07	18:00
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/06/07	18:00
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/06/07	18:00
Pentachlorophenol	0.006	0.001	mg/L	625	RLT	03/06/07	18:00
Phenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/06/07	18:00

  
Quality Assurance/Quality Control

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.



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LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 03/20/07**Date Received:** 03/13/07**Date/Time Sampled:** 03/13/07 09:30**Sampled by:** R. Branch**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC14045**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	11.7	1.0	mg/L	405.1	MWS	03/14/07	13:05
Oil & Grease	2.1	2.0	mg/L	1664A	CRM	03/19/07	10:00
Total Suspended Solids	26	1.0	mg/L	160.2	SMB	03/15/07	10:35
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	03/14/07	14:42
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/14/07	14:42
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/14/07	14:42
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	03/14/07	14:42
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/14/07	14:42
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/14/07	14:42
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/14/07	14:42
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/14/07	14:42
Pentachlorophenol	0.004	0.001	mg/L	625	RLT	03/14/07	14:42
Phenol	ND	0.002	mg/L	625	RLT	03/14/07	14:42
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/14/07	14:42
<b>PAHs</b>							
Acenaphthene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Acenaphthylene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Anthracene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Benzo(a)anthracene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Benzo(a)pyrene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Benzo(b)fluoranthene	ND	0.005	mg/L	8270C	RLT	03/14/07	14:42
Benzo(g,h,i)perylene	ND	0.005	mg/L	8270C	RLT	03/14/07	14:42
Benzo(k)fluoranthene	ND	0.005	mg/L	8270C	RLT	03/14/07	14:42
Chrysene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Dibenzo(a,h)anthracene	ND	0.005	mg/L	8270C	RLT	03/14/07	14:42
Fluoranthene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Fluorene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Indeno(1,2,3-cd)pyrene	ND	0.005	mg/L	8270C	RLT	03/14/07	14:42
2-Methylnaphthalene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Naphthalene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Phenanthrene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42
Pyrene	ND	0.002	mg/L	8270C	RLT	03/14/07	14:42

**ARGUS ANALYTICAL, INC.**

235 Highpoint Drive

Ridgeland, Mississippi 39157

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NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

**Date Reported:** 03/27/07  
**Date Received:** 03/20/07  
**Date/Time Sampled:** 03/20/07 07:20  
**Sampled by:** R. Branch

**Project Number:**

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Sample Description:** Outfall 001**Sample Number:** CC14228**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.8	1.0	mg/L	405.1	MWS	03/21/07	13:30
Oil & Grease	3.4	2.8	mg/L	1664A	CRM	03/26/07	10:25
Total Suspended Solids	60	1.0	mg/L	160.2	SMB	03/21/07	11:36
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/21/07	17:00
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/21/07	17:00
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/21/07	17:00
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	03/21/07	17:00
Phenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/21/07	17:00



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**ARGUS ANALYTICAL, INC.**

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NELAP Accredited

LELAP 04023

**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

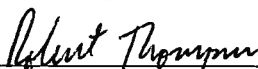
ATTN: Ron Rutledge

**Date Reported:** 04/02/07  
**Date Received:** 03/27/07  
**Date/Time Sampled:** 03/27/07 07:25  
**Sampled by:** R. Branch

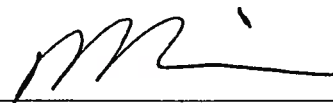
**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC14500**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.9	1.0	mg/L	405.1	MWS	03/28/07	08:55
Oil & Grease	ND	2.0	mg/L	1664A	CRM	03/28/07	09:10
Total Suspended Solids	59	1.0	mg/L	160.2	SMB	03/28/07	15:40
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/28/07	16:05
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/28/07	16:05
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/28/07	16:05
Pentachlorophenol	ND	0.001	mg/L	625	RLT	03/28/07	16:05
Phenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/28/07	16:05



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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 02/12/07  
Date Received: 02/06/07  
Date/Time Sampled: 02/06/07 07:15  
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

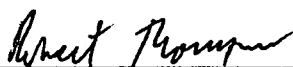
Sample Description: Outfall 001

Sample Number: CC12656


Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.5	1.0	mg/L	405.1	MWS	02/07/07	13:20
Oil & Grease	ND	2.1	mg/L	1664A	CRM	02/09/07	10:30
Total Suspended Solids	67	1.0	mg/L	160.2	MWS	02/08/07	14:40
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
2-Chlorophenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	02/08/07	13:54
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	02/08/07	13:54
2-Nitrophenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
4-Nitrophenol	ND	0.005	mg/L	625	JWH	02/08/07	13:54
Pentachlorophenol	ND	0.001	mg/L	625	JWH	02/08/07	13:54
Phenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	02/08/07	13:54



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ATTN: Ron Rutledge

Date Reported: 02/20/07  
Date Received: 02/13/07  
Date/Time Sampled: 02/13/07 07:30  
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001

Sample Number: CC12926

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	4.8	1.0	mg/L	405.1	MWS	02/14/07	08:10
Oil & Grease	ND	2.0	mg/L	1664A	CRM	02/16/07	10:30
Total Suspended Solids	33	1.0	mg/L	160.2	SMB	02/15/07	11:37
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
2-Chlorophenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	02/14/07	23:22
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	02/14/07	23:22
2-Nitrophenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
4-Nitrophenol	ND	0.005	mg/L	625	JWH	02/14/07	23:22
Pentachlorophenol	ND	0.001	mg/L	625	JWH	02/14/07	23:22
Phenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	02/14/07	23:22



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ATTN: Ron Rutledge

Date Reported: 02/26/07  
Date Received: 02/20/07  
Date/Time Sampled: 02/20/07 07:20  
Sampled by: R. Branch

Project ID/Location: Facility Discharge  
Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC13164

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	15.0	1.0	mg/L	405.1	MWS	02/21/07	09:10
Oil & Grease	ND	2.1	mg/L	1664A	CRM	02/22/07	12:30
Total Suspended Solids	53	1.0	mg/L	160.2	SMB	02/22/07	09:00
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
2-Chlorophenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	02/21/07	16:40
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	02/21/07	16:40
2-Nitrophenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
4-Nitrophenol	ND	0.005	mg/L	625	RLT	02/21/07	16:40
Pentachlorophenol	0.005	0.001	mg/L	625	RLT	02/21/07	16:40
Phenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	02/21/07	16:40

  
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\* See supplementary information, attached.

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To: Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

Date Reported: 03/06/07  
Date Received: 02/27/07  
Date/Time Sampled: 02/27/07 07:35  
Sampled by: R. Branch

ATTN: Ron Rutledge

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC13421

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	49.5	1.0	mg/L	405.1	MWS	03/01/07	07:30
Oil & Grease	ND	2.1	mg/L	1664A	CRM	03/05/07	08:40
Total Suspended Solids	65	1.0	mg/L	160.2	SMB	02/27/07	14:45
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	03/01/07	10:40
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/01/07	10:40
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/01/07	10:40
2,4-Dimethylphenol	0.009	0.002	mg/L	625	RLT	03/01/07	10:40
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/01/07	10:40
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/01/07	10:40
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/01/07	10:40
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/01/07	10:40
Pentachlorophenol	0.006	0.001	mg/L	625	RLT	03/01/07	10:40
Phenol	ND	0.002	mg/L	625	RLT	03/01/07	10:40
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/01/07	10:40

  
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\* See supplementary information, attached.

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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Kevin Coker

**Date Reported:** 01/19/07  
**Date Received:** 01/05/07  
**Date/Time Sampled:** 01/05/07 07:20  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC11333**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.7	1.0	mg/L	405.1	MWS	01/05/07	14:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/18/07	08:40
Total Suspended Solids	93	1.0	mg/L	160.2	SMB	01/05/07	15:10
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/08/07	12:44
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/08/07	12:44
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/08/07	12:44
Pentachlorophenol	ND	0.001	mg/L	625	RLT	01/08/07	12:44
Phenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/08/07	12:44



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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: Kevin Coker

**Date Reported:** 01/19/07  
**Date Received:** 01/09/07  
**Date/Time Sampled:** 01/09/07 07:30  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC11474**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.4	1.0	mg/L	405.1	MWS	01/10/07	10:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/18/07	15:10
Total Suspended Solids	55	1.0	mg/L	160.2	SMB	01/12/07	09:30
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/10/07	18:03
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/10/07	18:03
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/10/07	18:03
Pentachlorophenol	0.009	0.001	mg/L	625	RLT	01/10/07	18:03
Phenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/10/07	18:03



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\* See supplementary information, attached.

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**To:** Koppers Company  
P.O. Box 160  
Tie Plant, MS 38960

ATTN: R. Rutledge

**Date Reported:** 01/30/07  
**Date Received:** 01/19/07  
**Date/Time Sampled:** 01/19/07 07:30  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC11979**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	10.8	1.0	mg/L	405.1	MWS	01/19/07	13:05
Oil & Grease	ND	2.0	mg/L	1664A	SMB	01/29/07	09:45
Total Suspended Solids	74	1.0	mg/L	160.2	SMB	01/19/07	15:35
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/22/07	19:49
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/22/07	19:49
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/22/07	19:49
Pentachlorophenol	ND	0.001	mg/L	625	RLT	01/22/07	19:49
Phenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/22/07	19:49



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\* See supplementary information, attached.

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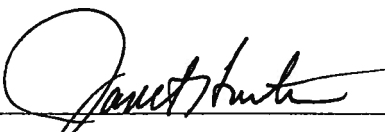
ATTN: Ron Rutledge

**Date Reported:** 01/31/07  
**Date Received:** 01/23/07  
**Date/Time Sampled:** 01/23/07 07:30  
**Sampled by:** R. Branch

**Project ID/Location:** Facility Discharge  
Weekly Requirements

**Project Number:****Sample Description:** Outfall 001**Sample Number:** CC12084**Sample Matrix:** WATER**Page Number:** 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	01/24/07	10:40
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/30/07	13:50
Total Suspended Solids	46	1.0	mg/L	160.2	SMB	01/24/07	11:10
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/25/07	14:25
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/25/07	14:25
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/25/07	14:25
Pentachlorophenol	ND	0.001	mg/L	625	RLT	01/25/07	14:25
Phenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/25/07	14:25



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Tie Plant, MS 38960

ATTN: Ron Rutledge

Date Reported: 02/06/07  
Date Received: 01/30/07  
Date/Time Sampled: 01/30/07 07:20  
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge  
Weekly Requirements

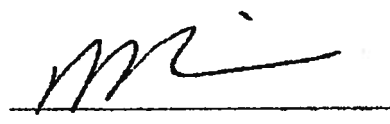
Sample Description: Outfall 001  
Sample Matrix: WATER

Sample Number: CC12403

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.6	1.0	mg/L	405.1	MWS	01/31/07	14:30
Oil & Grease	ND	2.0	mg/L	1664A	CRM	02/01/07	10:30
Total Suspended Solids	87	1.0	mg/L	160.2	SMB	02/02/07	09:15
<b>Phenols</b>							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2-Chlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	02/01/07	14:10
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	02/01/07	14:10
2-Nitrophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
4-Nitrophenol	ND	0.006	mg/L	625	RLT	02/01/07	14:10
Pentachlorophenol	ND	0.001	mg/L	625	RLT	02/01/07	14:10
Phenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	02/01/07	14:10

  
Quality Assurance/Quality Control

  
B. G. Giessner, Ph.D.

\* See supplementary information, attached.

MP1



**Mississippi Department of Environmental Quality**  
**Office of Pollution Control**  
**Water Compliance Inspection Report**

**Site Name:** Koppers Inc

**Permit Number(s):** Water - Pretreatment Permit No. MSP090300

**Physical Address**

1 Koppers Drive  
Tie Plant, MS 38960  
Grenada County

**Mailing Address**

PO Box 160  
Tie Plant, Mississippi 38960

**Evaluation Type:** Compliance Evaluation Inspection - Pretreatment

**Date of Evaluation:** 12/16/2009

**Facility Type:** Industrial

**Inspection Participants:** Trayce Moore-Thomas, MDEQ  
Marcus Smith, Koppers, Inc.

**Purpose of Inspection**

The purpose of this inspection was to determine Koppers' compliance with the Water – Pretreatment.

**Permit Status**

Koppers currently holds a Water- Pretreatment permit that was issued March 26, 2007 and will expire February 28, 2012.

**Facility Description**

Koppers manufactures treated poles and bridge timbers for hardwoods (oak, gum, hickory, pecan, and ash). The average production rate is 12,000 cubic feet per day with 60% of that being poles and 40% bridge timbers. The facility currently employs 56 people total. Mr. Marcus Smith is the Plant Manager and Kevin Coker is the Assistant Plant Manager. Blair Simpson, the Safety, Health, and Environmental Coordinator, will be the main MDEQ contact.

**Inspection Summary**

I met with Marcus Smith, who accompanied me throughout the inspection. Koppers has one, permitted pretreatment outfall. Outfall 001 handles treated wastewater that comes from the several processes that include boiler and cooling tower blowdown, equipment washdown, backflushing of the GE Osmonics brand water softener, storm water, and purge water from on-site groundwater monitoring.

The wastewater treatment process starts with the measuring of chemicals to be used in the process. The chemicals are injected into the wastewater streams. The water goes through

**Photos / Other Attachments**



Photo #1: Wastewater chemical storage



Photo #2: Start of wastewater treatment process



Photo #3: Composite sampler set up to the right of the yellow/orange pole in the center

**Mississippi Department of Environmental Quality  
Office of Pollution Control  
Water Compliance Inspection Report**

**FILE COPY**

**Site Name:** Koppers Inc

**Permit Number(s):** Water - Pretreatment Permit No. MSP090300

**Physical Address**

1 Koppers Drive  
Tie Plant, MS 38960  
Grenada County

**Mailing Address**

PO Box 160  
Tie Plant, Mississippi 38960

**Evaluation Type:** Compliance Evaluation Inspection - Pretreatment

**Date of Evaluation:** 1/22/2009

**Facility Type:** Industrial

**Inspection Participants:** Trayce Moore-Thomas, MDEQ

**Purpose of Inspection**

The purpose of the inspection was to determine Koppers Inc. compliance status for the Water – Pretreatment Permit.

**Permit Status**

Koppers Inc holds an active Water Pretreatment permit that was issued March 26, 2007 and will expire February 28, 2012.

**Facility Description**

Koppers, Inc. manufactures cross ties, utility poles and bridge lumber from logs that they treat on site. The plant is in operation 24 hours per day, 5 days per week. The company headquarters are located in Pittsburgh, PA.

**Inspection Summary**

Koppers, Inc. has one pretreatment outfall (001) which consists of treated wastewater removed from the conditioning of wood, boiler and cooling tower blow-down, equipment wash-down, storm water, purge water from on-site groundwater monitoring, and wastewater from the back-flushing of the water softener.

I met with Mr. Kevin Coker who is now the Assistant Plant Manager and Mr. Ron Rutledge, Treating Supervisor. Mr. Rutledge is responsible for making sure the equipment is maintained and for maintaining the records for the wastewater system. Mr. Coker has been responsible for keeping up with all environmental records that are given to him by the company employees. The company has found it helpful to number the equipment on site. There are three wastewater storage tanks (#12, #16, & #17) on site. Lime is used to make adjustments for pH in the mixing tank (#49). Flocculants and coagulants are added and then the waste water is sent through a



separator. The company uses separator #48B as a holding tank. Presently, separator #48A is the only one in service. Employees were doing reclaim work at the time of inspection. Anything reclaimed is sent back through the treatment process. Solids from the reclaim tank are sent through a press – solids are shipped off site to Clean Harbors in Deer Park, TX, and the liquid goes to a decant tank.

The company had already discharged approximately 4300 gallons the morning of the inspection according to the readout from the flow meter. There are two control rooms on site that information can be obtained from. The pH of the discharge at the time of inspection was 7.78. The system is set up to shutdown if permit limits are reached. The company is also recording Dissolved Oxygen (DO) for the biological tank using an automatic DO meter.

A sampler is set up on site to pull samples.

The records review for the pretreatment process indicated that Argus Analytical, Inc. performs all testing for Koppers. Discharge monitoring reports appear to have been properly completed and submitted to MDEQ. The last excursion noted was in July of 2008 when the clarifier had to be repaired. Koppers has not had any problems since then.

**Note:** Mr. Coker stated that a new Safety, Health, & Environmental Manager, Blaire Simpson, would be starting on February 1 and taking over some of the duties that he previously had. Mr. Marcus Smith is now the new Plant Manager. All this information will be relayed to MDEQ in writing once it takes place.

### Conclusions

No problems or apparent pretreatment violations were noted during the inspection.

Signature: \_\_\_\_\_

Date: 3/24/09



## **Photos / Other Attachments**



Photo 1: Clarifier



Photo 2: Mixing Tank

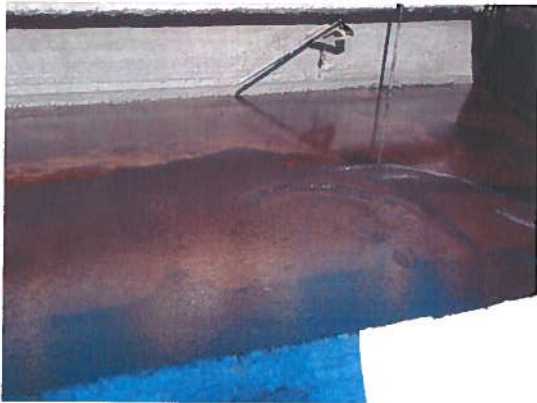


Photo 3: Separator used for holding



Photo 4: Tank used to adjust solids



Photo 5: Press used to remove liquid from solids



**Mississippi Department of Environmental Quality  
Office of Pollution Control  
Water Inspection Report**

**Site Name:** Koppers Inc

**Permit Number:** Water - Pretreatment MSP090300

**Physical Address**

1 Koppers Drive  
Tie Plant, MS 38960  
Grenada County

**Mailing Address**

PO Box 160  
Tie Plant, Mississippi 38960

Transaction code: -----N - new

Completed date: -----3/25/2008 10:05:00 AM

Compliance activity & pcs codes:----CEI-Pretreatment - 3

Facility type: -----Industrial - 2

Investigator: -----J. Dewayne Headrick and Philip LaBarre

**Areas Evaluated**

S PERMIT	S FACILITY SITE REVIEW
N LABORATORY	S PRETREATMENT
S SELF-MONITORING PROGRAM	N EFFLUENT/RECEIVING WATERS
S RECORDS/REPORTS	S FLOW MEASUREMENT
S SLUDGE DISPOSAL	S OPERATIONS & MAINTENANCE
N COMPLIANCE SCHEDULES	

S-Satisfactory

M-Marginal

U-Unsatisfactory

N-Not Evaluated

**COMMENTS:** Facility was inspected on March 25, 2008. Kevin Coker was contacted at the site. Mr. Coker made three years of records available upon request. The records review included the permit, DMRs, and lab data sheets. All wastewater goes to the POTW with no observed discharge to surface waters. Flow is monitored at the discharge to the POTW line. The most important pretreatment activity is really recycling. The moisture in the wood in a charge is displaced by the treatment chemicals. The water is then separated from the excess treatment chemicals and this is what is sent to the POTW. The site review did not reveal any obvious problems.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**Mississippi Department of Environmental Quality  
Office of Pollution Control  
Air Compliance Inspection Report**

**FILE COPY**

**Site Name:** Koppers Inc

Energy and Transportation Branch

**Permit Number:** Air-Title V Operating 096000012

**Physical Address**

1 Koppers Drive  
Tie Plant, MS 38960  
Grenada County

**Mailing Address**

PO Box 160  
Tie Plant, Mississippi 38960

**AFS Compliance Code:** State Compliance Inspection - 27

**Completed Date:** 3/25/2008 10:05:00 AM

**Inspector:** Philip LaBarre

**Air Facility Type:** Title V

**Person Contacted:**

**AFS ID:** 2804300012

**SIC 1:** 2491

**Region:** NRO

**Areas Evaluated**

S PERMIT ACCURACY
S RECORD KEEPING
S SITE REVIEW
N VISIBLE EMISSION EVALUATION
S OPACITY OBSERVED
S REPORTING
S MONITORING
S OPERATION AND MAINTENANCE

S-Satisfactory M-Marginal

U-Unsatisfactory N-Not Evaluated

**Air Program: (Check applicable program(s))**

SIP	<input checked="" type="checkbox"/>
PSD	<input type="checkbox"/>
NSPS	<input checked="" type="checkbox"/>
NESHAPS	<input type="checkbox"/>
MACT	<input checked="" type="checkbox"/>

**COMMENTS:** Facility was inspected on March 25, 2008. The environmental contact was Mr. Kevin Coker, SH&E Supervisor, for Koppers Inc.

Five years of air records were made available upon request. The subsequent review of those records revealed no apparent violations. Details of that review are listed below.

The Title V permit was transferred from Koppers Industries Inc. to Koppers Inc. in April of 2007 and expires January 1, 2009. The need for Koppers to submit a renewal application at least 180 days prior to the expiration date of the permit was discussed. Mr. Coker was aware of this and has been working towards that goal. He noted that some recent tank evaluations revealed some minor discrepancies in tank volumes and that he had informed DEQ of this already. He also said one tank would need a contents change.

Another change is that Emission Point AA-002, an oil fired Murray boiler, was removed and replaced with a natural gas fired boiler. Mr. Coker said the change took place just before he arrived at the plant in the Fall of 2004 and was approved by MDEQ.

Permit Condition 4.2 – the facility has submitted the ACCs as required.

Permit Condition 5.A.4 - the facility has submitted the SMRs as required.

Permit Condition 5.B.1 – Emission Point AA-001, the Wellons wood-fired boiler. The permittee shall record the time and duration of any opacity excursions and the corrective actions taken. The facility uses a CEMS and continuous recorder to comply with this requirement. It appeared all excursions were noted with an explanation provided.

Permit Condition 5.B.2 - Emission Point AA-003, Ref. No. 9, the 29,786 gallon #4 Work Tank containing creosote and subject to NSPS Subpart Kb, the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records are required to be kept for the life of the source. (Ref.: 40 CFR 60.116b(a) & (b)). The analysis was available.

Permit Condition 5.B.3 – Emission Point AA-001 - The permittee shall keep a record of the woodwaste feed rate and the office wastepaper as specified in 5.A.3. This is monitored by recording wood feed auger RPMs on an hourly basis. These records were being kept and appeared to meet the requirements of this condition. The chart of Specific Monitoring and Recordkeeping Requirements found at the beginning of Section 5.B appears to have a misprint. It references this requirement as 5.B.4.

Permit Condition 5.B.4 – Emission Point AA-001 – the permit appears to have a misprint – see 5.B.3 above for details.

The facility is also required to stack test Emission point AA-001. They have complied with this requirement. They have also made a request to stack test earlier than stated in their permit to help with their renewal application submittal. The request was granted by EPD. The following is an excerpt from a 502.B.10 letter Scott Hodges wrote the company on November 13, 2007:

“Additionally, the letter requested approval for modification of the permitted stack testing schedule for the facility. The request was to allow the facility to perform stack testing in the 1st or 2nd quarter of 2008 rather than the 4th quarter of 2008. It is our interpretation of the permit that the facility is allowed to do the biennial stack test earlier than scheduled in the permit. However, this would require the subsequent testing to be moved up as well. Considering this will be the last testing cycle prior to renewal of the permit, the

subsequent testing schedule could be addressed at renewal of the permit. Therefore, we believe the request can also be allowed without requiring a change to the facility's TVOP."

Another requirement found in the Chart is for AA-002 and relates to monitoring and recordkeeping for fuel oil sulfur content. This unit has been removed as described above.

Permit Condition 5.C.1 - Emission Point AA-001, the permittee shall submit a report with the time and duration of any opacity excursions and the corrective actions taken as specified in 5.A.4. These reports have been submitted and appear to meet the requirements of this condition.

Permit Condition 5.C.2 - Emission Point AA-002, the permittee shall submit a report certifying the fuel sulfur content of the fuel oil as specified in 5.A.4. As noted above AA-002 was taken out of service in 2004 and has been replaced with a natural gas fired unit. The new unit did not operate in 2007.

The facility site tour did not reveal any other air emissions issues and there were no visible emissions observed during the inspection.

Signature:

J. Dwayne Headrick

Date:

5-5-08





**Mississippi Department of Environmental Quality  
Office of Pollution Control  
Water Inspection Report**

**Site Name:** Koppers Inc

**Permit Number:** Water - Pretreatment MSP090300

**Physical Address**

1 Koppers Drive  
Tie Plant, MS 38960  
Grenada County

**Mailing Address**

PO Box 160  
Tie Plant, Mississippi 38960

Transaction code: -----N - new

Completed date: -----3/25/2008 10:05:00 AM

Compliance activity & pcs codes:---CEI-Pretreatment - 3

Facility type: -----Industrial - 2

Investigator: -----J. Dewayne Headrick and Philip LaBarre

**Areas Evaluated**

S PERMIT	S FACILITY SITE REVIEW
N LABORATORY	S PRETREATMENT
S SELF-MONITORING PROGRAM	N EFFLUENT/RECEIVING WATERS
S RECORDS/REPORTS	S FLOW MEASUREMENT
S SLUDGE DISPOSAL	S OPERATIONS & MAINTENANCE
N COMPLIANCE SCHEDULES	

S-Satisfactory

M-Marginal

U-Unsatisfactory

N-Not Evaluated

**COMMENTS:** Facility was inspected on March 25, 2008. Kevin Coker was contacted at the site. Mr. Coker made three years of records available upon request. The records review included the permit, DMRs, and lab data sheets. All wastewater goes to the POTW with no observed discharge to surface waters. Flow is monitored at the discharge to the POTW line. The most important pretreatment activity is really recycling. The moisture in the wood in a charge is displaced by the treatment chemicals. The water is then separated from the excess treatment chemicals and this is what is sent to the POTW. The site review did not reveal any obvious problems.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_



**Mississippi Department of Environmental Quality  
Office of Pollution Control  
Water Inspection Report**

**Site Name:** Koppers Inc

**Permit Number:** Water-Pretreatment MSP090300

**Physical Address**

1 Koppers Drive  
Tie Plant, MS 38960  
Grenada County

**Mailing Address**

PO Box 160  
Tie Plant, Mississippi 38960

Transaction code: -----N - new

Completed date: -----4/5/07

Compliance activity & pcs codes: ----CEI-Pretreatment - 3

Facility type: -----Industrial - 2

Investigator: -----Azzam Abu-Mirshid

**Areas Evaluated**

S PERMIT	S FACILITY SITE REVIEW
N LABORATORY	S PRETREATMENT
S SELF-MONITORING PROGRAM	N EFFLUENT/RECEIVING WATERS
S RECORDS/REPORTS	S FLOW MEASUREMENT
S SLUDGE DISPOSAL	S OPERATIONS & MAINTENANCE
N COMPLIANCE SCHEDULES	

S-Satisfactory

M-Marginal

U-Unsatisfactory

N-Not Evaluated

**COMMENTS:**

Wastewater generated from steam conditioning of wood, dry kiln condensates, boiler blowdowns, equipment wash wastewater, storm water falling on the drip pad and secondary containment and wastewater from flushing of the water softener system are treated on-site. The wastewater treatment process includes a series of oil-water separators, a flocculation tank, a filter press, an aeration basin and a clarifier. The treated wastewater is discharged to the Grenada POTW.

The facility's Discharge Monitoring Reports (DMR's), sampling records and laboratories reports were kept on file. No violations were noted.

Signature: Amir Ali

Date: 5-10-07



# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-10-01 to 2010-10-31

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		Average	Maximum		Minimum	Average	Maximum					
Solids (Total Suspended) 00530 Effluent O	SAMPLE MEASUREMENT	1.602	3.767	pounds per day	*****	17.9	34.0	mg/L	0	1	Weekly	24-hr Composite
	PERMIT REQUIREMENT	<=88	<=175	pounds per day	*****	<=300	<=600	mg/L		1	Weekly	24-hr Composite
	SAMPLE MEASUREMENT	*****	*****	*****	7.8	*****	8.2	SU	0	1	Weekly	Grab Sampling
pH 00400 Effluent O	PERMIT REQUIREMENT	*****	*****	*****	>=5.5 MIN	*****	<=8.5 MAX	SU		1	Weekly	Grab Sampling
	SAMPLE MEASUREMENT	0.0010	0.0016	pounds per day	*****	0.0118	0.0170	mg/L	0	1	Weekly	Grab Sampling
	PERMIT REQUIREMENT	<=0.88	<=1.75	pounds per day	*****	<=3	<=8	mg/L		1	Weekly	Grab Sampling
Phenols (Total) 03804 Effluent O	SAMPLE MEASUREMENT	0.0112	0.0274	Million Gallons per Day	*****	*****	*****	*****	0	1	Daily	Continuous Recorder
	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=0.035	Million Gallons per Day	*****	*****	*****	*****		1	Daily	Continuous Recorder
	SAMPLE MEASUREMENT	0.324	0.676	pounds per day	*****	3.7	6.1	mg/L	0	1	Weekly	24-hr Composite
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	PERMIT REQUIREMENT	<=70	<=140	pounds per day	*****	<=240	<=480	mg/L		1	Weekly	24-hr Composite
	SAMPLE MEASUREMENT	0.230	0.554	pounds per day	*****	2.4	5.0	mg/L	0	1	Weekly	Grab Sampling
	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=28.2	pounds per day	*****	REPORT MONTH_AVG	<=100	mg/L		1	Weekly	Grab Sampling
Pentachlorophenol 39032 Effluent O	SAMPLE MEASUREMENT	0.0088	0.0643	pounds per day	*****	0.1128	0.8300	mg/L	1	1	Weekly	Grab Sampling
	PERMIT REQUIREMENT	<=0.053	<=0.105	pounds per day	*****	<=0.18	<=0.36	mg/L		1	Weekly	Grab Sampling

**Certification Statement:**  
"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."

**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-11-16

# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-09-01 to 2010-09-30

PARAMETER	SAMPLE	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent O	MEASUREMENT	1.901	5.011	pounds per day	*****	25.2	41.2	mg/L	0	1	24-hr Composite
	PERMIT	≤88	≤175	pounds per day	*****	≤300	≤600	mg/L	0	1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	24-hr Composite
pH 00400 Effluent O	MEASUREMENT	*****	*****	*****	6.8	*****	8.3	SU	0	1	Grab Sampling
	PERMIT	*****	*****	*****	≥5.5 MIN	*****	≤8.5 MAX	SU	0	1	Grab Sampling
	REQUIREMENT	*****	*****	*****	*****	*****	*****	SU	0	1	Grab Sampling
Phenols (Total) 03604 Effluent O	MEASUREMENT	0.00141	0.00260	pounds per day	*****	0.0220	0.0410	mg/L	0	1	Grab Sampling
	PERMIT	≤0.88	≤1.75	pounds per day	*****	≤3	≤6	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	Grab Sampling
Flow 50050 Effluent O	MEASUREMENT	0.0085	0.0199	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	PERMIT	REPORT	≤0.035	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	REQUIREMENT	MONTH_AVG	DALY_MAX	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	MEASUREMENT	1.929	6.664	pounds per day	*****	31.0	110.0	mg/L	0	1	24-hr Composite
	PERMIT	≤70	≤140	pounds per day	*****	MONTH_AVG	≤480 DALY_MAX	mg/L	0	1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	24-hr Composite
Oil and grease 03582 Effluent O	MEASUREMENT	0.176	0.705	pounds per day	*****	1.5	5.8	mg/L	0	1	Grab Sampling
	PERMIT	REPORT	≤29.2	pounds per day	*****	REPORT	≤100	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	Grab Sampling
Pentachlorophenol 39032 Effluent O	MEASUREMENT	0.0008	0.0017	pounds per day	*****	0.0155	0.0420	mg/L	0	1	Grab Sampling
	PERMIT	≤0.063	≤0.105	pounds per day	*****	≤0.18	≤0.36	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	Grab Sampling

**Certification Statement:**  
"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."

**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-10-14



# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-08-01 to 2010-08-31

PARAMETER	SAMPLE	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent O	MEASUREMENT	3.169	6.747	pounds per day	*****	35.2	75.0	mg/L	0	1	24-hr Composite
	PERMIT	<=88	<=175	pounds per day	*****	<=300	<=600	mg/L	0	1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX				
pH 00400 Effluent O	SAMPLE	*****	*****	*****	7.0	*****	7.6	SU	0	1	Grab Sampling
	PERMIT	*****	*****	*****	>=5.5 MIN	*****	<=8.5 MAX	SU	0	1	Grab Sampling
	REQUIREMENT										
Phenols (Total) 03604 Effluent O	SAMPLE	0.00215	0.00446	pounds per day	*****	0.0232	0.0390	mg/L	0	1	Grab Sampling
	PERMIT	<=0.88	<=1.75	pounds per day	*****	<=3	<=6	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX				
Flow 50050 Effluent O	SAMPLE	0.0104	0.0182	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	PERMIT	REPORT	<=0.035	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	REQUIREMENT	MONTH_AVG	DALY_MAX								
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	SAMPLE	0.345	0.576	pounds per day	*****	4.1	6.8	mg/L	0	1	24-hr Composite
	PERMIT	<=70	<=140	pounds per day	*****	<=240	<=480	mg/L	0	1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX				
Oil and grease 03582 Effluent O	SAMPLE	0.1897	0.9486	pounds per day	*****	3.1	15.6	mg/L	0	1	Grab Sampling
	PERMIT	REPORT	<=28.2	pounds per day	*****	REPORT	<=100	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX				
Pentachlorophenol 39032 Effluent O	SAMPLE	0.0012	0.0026	pounds per day	*****	0.0127	0.0220	mg/L	0	1	Grab Sampling
	PERMIT	<=0.053	<=0.105	pounds per day	*****	<=0.18	<=0.36	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX				

**Certification Statement:**  
"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."

**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-09-14

# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-07-01 to 2010-07-31

PARAMETER	SAMPLE	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent O	MEASUREMENT	3.556	5.315	pounds per day	*****	67.1	145.0	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	≤88	≤175	pounds per day	*****	≤300	≤600	mg/L	0	1	24-hr Composite
	SAMPLE	*****	*****	pounds per day	7.2	*****	7.9	mg/L	0	1	24-hr Composite
pH 00400 Effluent O	MEASUREMENT	*****	*****	*****	7.2	*****	7.9	SU	0	1	Grab Sampling
	PERMIT REQUIREMENT	*****	*****	*****	MIN	*****	MAX	SU	0	1	Grab Sampling
	SAMPLE	0.00146	0.00271	pounds per day	*****	0.0239	0.0450	mg/L	0	1	Grab Sampling
Phenols (Total) 03604 Effluent O	MEASUREMENT	≤0.88	≤1.75	pounds per day	*****	≤3	≤8	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	0.0098	0.0168	Million Gallons per Day	*****	*****	*****	mg/L	0	1	Grab Sampling
	SAMPLE	0.0098	0.0168	Million Gallons per Day	*****	*****	*****	mg/L	0	1	Continuous Recorder
Flow 50050 Effluent O	MEASUREMENT	0.773	1.593	pounds per day	*****	13.1	26.2	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	≤70	≤140	pounds per day	*****	≤240	≤480	mg/L	0	1	24-hr Composite
	SAMPLE	0.356	0.579	pounds per day	*****	6.9	15.8	mg/L	0	1	24-hr Composite
Oil and grease 03582 Effluent O	MEASUREMENT	0.0009	0.0012	pounds per day	*****	0.0125	0.0140	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	0.0009	0.0012	pounds per day	*****	0.0125	0.0140	mg/L	0	1	Grab Sampling
	SAMPLE	0.0009	0.0012	pounds per day	*****	0.0125	0.0140	mg/L	0	1	Grab Sampling
Pentachlorophenol 39032 Effluent O	MEASUREMENT	0.0009	0.0012	pounds per day	*****	0.0125	0.0140	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	0.0009	0.0012	pounds per day	*****	0.0125	0.0140	mg/L	0	1	Grab Sampling
	SAMPLE	0.0009	0.0012	pounds per day	*****	0.0125	0.0140	mg/L	0	1	Grab Sampling

**Certification Statement:**  
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**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-08-08



# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

Agency Interest:  
876 - Koppers Inc  
Grenada County

Permit Number:  
MSP090300

Subject Item:  
RPNT 0000000001-MSP090300-001-Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

Monitoring Period:  
2010-07-01 to 2010-07-31

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent O	SAMPLE MEASUREMENT	3.556	5.315	pounds per day	*****	67.1	145.0	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	≤88 MONTH_AVG	≤175 DALY_MAX	pounds per day	*****	≤300 MONTH_AVG	≤600 DALY_MAX	mg/L	1	Weekly	24-hr Composite
pH 00400 Effluent O	SAMPLE MEASUREMENT	*****	*****	*****	7.2	*****	7.9	SU	0	1	Grab Sampling
	PERMIT REQUIREMENT	*****	*****	*****	≤5.5 MIN	*****	≤8.5 MAX	SU	1	Weekly	Grab Sampling
Phenols (Total) 03804 Effluent O	SAMPLE MEASUREMENT	0.00146	0.00271	pounds per day	*****	0.0239	0.0450	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	≤0.88 MONTH_AVG	≤1.75 DALY_MAX	pounds per day	*****	≤3 MONTH_AVG	≤6 DALY_MAX	mg/L	1	Weekly	Grab Sampling
Flow 50050 Effluent O	SAMPLE MEASUREMENT	0.0098	0.0168	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	PERMIT REQUIREMENT	REPORT MONTH_AVG	≤0.035 DALY_MAX	Million Gallons per Day	*****	*****	*****	*****	1	Daily	Continuous Recorder
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	SAMPLE MEASUREMENT	0.773	1.593	pounds per day	*****	13.1	26.2	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	≤70 MONTH_AVG	≤140 DALY_MAX	pounds per day	*****	≤240 MONTH_AVG	≤480 DALY_MAX	mg/L	1	Weekly	24-hr Composite
Oil and grease 03582 Effluent O	SAMPLE MEASUREMENT	0.356	0.579	pounds per day	*****	6.9	15.8	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	REPORT MONTH_AVG	≤29.2 DALY_MAX	pounds per day	*****	REPORT MONTH_AVG	≤100 DALY_MAX	mg/L	1	Weekly	Grab Sampling
Pentachlorophenol 39032 Effluent O	SAMPLE MEASUREMENT	0.0009	0.0012	pounds per day	*****	0.0125	0.0140	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	≤0.053 MONTH_AVG	≤0.105 DALY_MAX	pounds per day	*****	≤0.18 MONTH_AVG	≤0.36 DALY_MAX	mg/L	1	Weekly	Grab Sampling

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Certifier:  
Marcus Smith

Certification Date:  
2010-08-08

# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

Agency Interest:  
876 - Koppers Inc  
Grenada County

Permit Number:  
MSP090300

Subject Item:  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

Monitoring Period:  
2010-06-01 to 2010-06-30

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent O	MEASUREMENT	9.748	21.528	pounds per day	*****	120.4	284.0	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	≤88	≤175	pounds per day	*****	≤300	≤600	mg/L	1	Weekly	24-hr Composite
	SAMPLE MEASUREMENT	*****	*****	*****	7.4	*****	8.0	mg/L	0	1	Grab Sampling
pH 00400 Effluent O	PERMIT REQUIREMENT	*****	*****	*****	7.5	*****	8.5	SU	0	1	Grab Sampling
	SAMPLE MEASUREMENT	*****	*****	*****	MIN	*****	MAX	SU	0	1	Grab Sampling
	PERMIT REQUIREMENT	0.00313	0.00879	pounds per day	*****	0.0316	0.0690	mg/L	0	1	Grab Sampling
Phenols (Total) 03604 Effluent O	MEASUREMENT	≤0.88	≤1.75	pounds per day	*****	≤3	≤6	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	0.0094	0.0261	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	SAMPLE MEASUREMENT	REPORT MONTH_AVG	≤0.035	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
Flow 50050 Effluent O	PERMIT REQUIREMENT	1.346	2.539	pounds per day	*****	15.8	33.5	mg/L	0	1	24-hr Composite
	SAMPLE MEASUREMENT	≤70	≤140	pounds per day	*****	≤240	≤480	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	0.406	0.816	pounds per day	*****	4.7	8.0	mg/L	0	1	Grab Sampling
Oil and grease 03582 Effluent O	MEASUREMENT	≤28.2	≤100	pounds per day	*****	REPORT MONTH_AVG	≤100	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	0.0016	0.0027	pounds per day	*****	0.0165	0.0250	mg/L	0	1	Grab Sampling
	SAMPLE MEASUREMENT	≤0.053	≤0.105	pounds per day	*****	≤0.18	≤0.36	mg/L	0	1	Grab Sampling
Pentachlorophenol 39032 Effluent O	PERMIT REQUIREMENT	1.346	2.539	pounds per day	*****	15.8	33.5	mg/L	0	1	24-hr Composite
	SAMPLE MEASUREMENT	≤70	≤140	pounds per day	*****	≤240	≤480	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	0.406	0.816	pounds per day	*****	4.7	8.0	mg/L	0	1	Grab Sampling

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**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-07-14

# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-05-01 to 2010-05-31

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent O	SAMPLE	2.733	3.439	pounds per day	*****	21.3	26.5	mg/L	0	1	24-hr Composite
	PERMIT	<=88	<=175	pounds per day	*****	<=300	<=600	mg/L	0	1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	24-hr Composite
pH 00400 Effluent O	SAMPLE	*****	*****	*****	7.4	*****	7.6	SU	0	1	Grab Sampling
	PERMIT	*****	*****	*****	>=5.5 MIN	*****	<=8.5 MAX	SU	0	1	Grab Sampling
	REQUIREMENT	*****	*****	*****	*****	*****	*****	SU	0	1	Grab Sampling
Phenols (Total) 03604 Effluent O	SAMPLE	0.00443	0.00878	pounds per day	*****	0.0312	0.0490	mg/L	0	1	Grab Sampling
	PERMIT	<=0.88	<=1.75	pounds per day	*****	<=3	<=6	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	Grab Sampling
Flow 50050 Effluent O	SAMPLE	0.0139	0.0215	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	PERMIT	REPORT	<=0.035	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	REQUIREMENT	MONTH_AVG	DALY_MAX	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	SAMPLE	1.250	2.622	pounds per day	*****	9.2	17.2	mg/L	0	1	24-hr Composite
	PERMIT	<=70	<=140	pounds per day	*****	<=240	<=480	mg/L	0	1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	24-hr Composite
Oil and grease 03582 Effluent O	SAMPLE	AB	AB	pounds per day	*****	AB	AB	mg/L	0	0	Grab Sampling
	PERMIT	REPORT	<=29.2	pounds per day	*****	REPORT	<=100	mg/L	0	0	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	0	Grab Sampling
Pentachlorophenol 38032 Effluent O	SAMPLE	0.01780	0.03506	pounds per day	*****	0.1235	0.2300	mg/L	0	0	Grab Sampling
	PERMIT	<=0.053	<=0.105	pounds per day	*****	<=0.18	<=0.36	mg/L	0	0	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	0	Grab Sampling

**Certification Statement:**  
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**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-06-09



# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmotics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-04-01 to 2010-04-30

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent	PERMIT REQUIREMENT	1.889	2.682	pounds per day	*****	17.9	22.4	mg/L	0	1	24-hr Composite
pH 00400 Effluent	PERMIT REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	1	Weekly	24-hr Composite
Phenols (Total) 03604 Effluent	PERMIT REQUIREMENT	*****	*****	*****	7.4	*****	8.0	SU	0	1	Grab Sampling
Flow 50050 Effluent	PERMIT REQUIREMENT	0.00417	0.00718	pounds per day	MIN	*****	MAX	SU	1	Weekly	Grab Sampling
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent	PERMIT REQUIREMENT	0.00417	0.00718	pounds per day	*****	0.0418	0.0750	mg/L	0	1	Grab Sampling
Oil and grease 03682 Effluent	PERMIT REQUIREMENT	0.0149	0.0251	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	1	Weekly	Grab Sampling
Pentachlorophenol 39032 Effluent	PERMIT REQUIREMENT	0.00339	0.00824	pounds per day	*****	0.0338	0.0860	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	0.00339	0.00824	pounds per day	*****	0.0338	0.0860	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	0.00339	0.00824	pounds per day	*****	0.0338	0.0860	mg/L	0	1	Grab Sampling

**Certification Statement:**  
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**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-05-14



# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001 -MSP090300-001-Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-03-01 to 2010-03-31

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent O	SAMPLE MEASUREMENT	5.39	9.29	pounds per day	*****	55.1	119.0	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	<=88 MONTH_AVG	<=175 DAL Y_MAX	pounds per day	*****	MONTH_AVG	<=600 DAL Y_MAX	mg/L	1	Weekly	24-hr Composite
PH 00400 Effluent O	SAMPLE MEASUREMENT	*****	*****	*****	7.2	*****	7.9	SU	0	1	Grab Sampling
	PERMIT REQUIREMENT	*****	*****	*****	>=5.5 MIN	*****	<=8.5 MAX	SU	1	Weekly	Grab Sampling
Phenols (Total) 03604 Effluent O	SAMPLE MEASUREMENT	0.00218	0.00396	pounds per day	*****	0.02052	0.03800	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	<=0.88 MONTH_AVG	<=1.75 DAL Y_MAX	pounds per day	*****	MONTH_AVG	<=6 DAL Y_MAX	mg/L	1	Weekly	Grab Sampling
Flow 50050 Effluent O	SAMPLE MEASUREMENT	0.0170	0.0289	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=0.035 DAL Y_MAX	Million Gallons per Day	*****	*****	*****	*****	1	Daily	Continuous Recorder
Oxygen Demand biochemical, 3-day (20 degrees C) 00310 Effluent O	SAMPLE MEASUREMENT	0.429	0.770	pounds per day	*****	4.1	8.4	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	<=70 MONTH_AVG	<=140 DAL Y_MAX	pounds per day	*****	MONTH_AVG	<=480 DAL Y_MAX	mg/L	1	Weekly	24-hr Composite
Oil and grease 03562 Effluent O	SAMPLE MEASUREMENT	AB	AB	pounds per day	*****	AB	AB	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=29.2 DAL Y_MAX	pounds per day	*****	MONTH_AVG	<=100 DAL Y_MAX	mg/L	1	Weekly	Grab Sampling
Parachlorophenol 39032 Effluent O	SAMPLE MEASUREMENT	0.0013	0.0063	pounds per day	*****	0.00980	0.04900	mg/L	0	1	Grab Sampling
	PERMIT REQUIREMENT	<=0.053 MONTH_AVG	<=0.105 DAL Y_MAX	pounds per day	*****	MONTH_AVG	<=0.36 DAL Y_MAX	mg/L	1	Weekly	Grab Sampling

**Certification Statement:**  
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**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-04-22

# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-02-01 to 2010-02-28

PARAMETER	SAMPLE	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent	MEASUREMENT	10.44	15.90	pounds per day	*****	74.8	101.0	mg/L	0	1	24-hr Composite
	PERMIT	<=88	<=175	pounds per day	*****	<=300	<=600	mg/L	0	1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	24-hr Composite
pH 00400 Effluent	MEASUREMENT	*****	*****	*****	7.2	*****	7.6	SU	0	1	Grab Sampling
	PERMIT	*****	*****	*****	>=5.5 MIN	*****	<=8.5 MAX	SU	0	1	Grab Sampling
	REQUIREMENT	*****	*****	*****	*****	*****	*****	SU	0	1	Grab Sampling
Phenols (Total) 03604 Effluent	MEASUREMENT	0.00138	0.00291	pounds per day	*****	0.00965	0.01600	mg/L	0	1	Grab Sampling
	PERMIT	<=0.88	<=1.75	pounds per day	*****	<=3	<=6	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	Grab Sampling
Flow 50050 Effluent	MEASUREMENT	0.0142	0.0259	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	PERMIT	REPORT MONTH_AVG	<=0.035 DALY_MAX	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	REQUIREMENT	MONTH_AVG	DALY_MAX	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent	MEASUREMENT	0.55	0.85	pounds per day	*****	4.0	5.4	mg/L	0	1	24-hr Composite
	PERMIT	<=70	<=140	pounds per day	*****	<=240	<=480	mg/L	0	1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	24-hr Composite
Oil and grease 03582 Effluent	MEASUREMENT	AB	AB	pounds per day	*****	AB	AB	mg/L	0	1	Grab Sampling
	PERMIT	REPORT MONTH_AVG	<=28.2 DALY_MAX	pounds per day	*****	REPORT MONTH_AVG	<=100 DALY_MAX	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	Grab Sampling
Pentachlorophenol 39032 Effluent	MEASUREMENT	0.0020	0.0044	pounds per day	*****	0.01195	0.02800	mg/L	0	1	Grab Sampling
	PERMIT	<=0.053	<=0.105	pounds per day	*****	<=0.18	<=0.36	mg/L	0	1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	0	1	Grab Sampling

**Certification Statement:**  
"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."

**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-03-10



# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2010-01-01 to 2010-01-31

PARAMETER		QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		Average	Maximum		Minimum	Average	Maximum					
Solids (Total Suspended) 00530 Effluent O	SAMPLE MEASUREMENT	3.32	11.43	pounds per day	*****	34.4	51.2	mg/L	0	1	Weekly	24-hr Composite
	PERMIT REQUIREMENT	<=88	<=175	pounds per day	*****	<=300	<=600	mg/L	1	Weekly	24-hr Composite	
	SAMPLE MEASUREMENT	*****	*****	*****	7.1	*****	7.4	SU	0	1	Weekly	Grab Sampling
pH 00400 Effluent O	PERMIT REQUIREMENT	*****	*****	*****	>=5.5 MIN	*****	<=9.5 MAX	SU	0	1	Weekly	Grab Sampling
	SAMPLE MEASUREMENT	0.00100	0.00313	pounds per day	*****	0.01355	0.02000	mg/L	0	1	Weekly	Grab Sampling
	PERMIT REQUIREMENT	<=0.88	<=1.75	pounds per day	*****	<=3	<=6	mg/L	1	Weekly	Grab Sampling	
Phenols (Total) 03604 Effluent O	SAMPLE MEASUREMENT	0.0098	0.0307	Million Gallons per Day	*****	*****	*****	*****	0	1	Daily	Continuous Recorder
	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=0.035 DAILY_MAX	Million Gallons per Day	*****	*****	*****	*****	1	Daily	Continuous Recorder	
	SAMPLE MEASUREMENT	0.40	0.98	pounds per day	*****	8.3	11.7	mg/L	0	1	Weekly	24-hr Composite
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	PERMIT REQUIREMENT	<=70	<=140	pounds per day	*****	<=240	<=480	mg/L	1	Weekly	24-hr Composite	
	SAMPLE MEASUREMENT	AB	AB	pounds per day	*****	AB	AB	mg/L	0	1	Weekly	Grab Sampling
	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=29.2 DAILY_MAX	pounds per day	*****	REPORT MONTH_AVG	<=100 DAILY_MAX	mg/L	1	Weekly	Grab Sampling	
Pentachlorophenol 39032 Effluent O	SAMPLE MEASUREMENT	0.00726	0.02902	pounds per day	*****	0.03271	0.13000	mg/L	0	1	Weekly	Grab Sampling
	PERMIT REQUIREMENT	<=0.053	<=0.105	pounds per day	*****	<=0.18	<=0.35	mg/L	1	Weekly	Grab Sampling	
	SAMPLE MEASUREMENT	0.00726	0.02902	pounds per day	*****	0.03271	0.13000	mg/L	0	1	Weekly	Grab Sampling

**Certification Statement:**  
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**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-02-10

# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

Agency Interest:  
876 - Koppers Inc  
Grenada County

Permit Number:  
MSP090300

Subject Item:  
RPNT 0000000001-MSP090300-001-Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

Monitoring Period:  
2009-12-01 to 2009-12-31

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Solids (Total Suspended) 00530 Effluent O	PERMIT REQUIREMENT	6.20	13.72	pounds per day	*****	42.3	56.8	mg/L	0	1	24-hr Composite
	SAMPLE	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	1	Weekly	24-hr Composite
PH 00400 Effluent O	PERMIT REQUIREMENT	*****	*****	*****	7.3	*****	8.1	SU	0	1	Grab Sampling
	SAMPLE	MONTH_AVG	DALY_MAX	*****	MIN	*****	MAX	SU	1	Weekly	Grab Sampling
Phenols (Total) 03604 Effluent O	PERMIT REQUIREMENT	0.0044	0.0106	pounds per day	*****	0.0290	0.0440	mg/L	0	1	Grab Sampling
	SAMPLE	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	1	Weekly	Grab Sampling
Flow 50050 Effluent O	PERMIT REQUIREMENT	0.0104	0.0290	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
	SAMPLE	MONTH_AVG	DALY_MAX	Million Gallons per Day	*****	*****	*****	*****	1	Daily	Continuous Recorder
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	PERMIT REQUIREMENT	3.07	6.33	pounds per day	*****	22.9	35.2	mg/L	0	1	24-hr Composite
	SAMPLE	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	1	Weekly	24-hr Composite
Oil and grease 03682 Effluent O	PERMIT REQUIREMENT	NODI=B	NODI=B	pounds per day	*****	NODI=B	NODI=B	mg/L	0	1	Grab Sampling
	SAMPLE	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	1	Weekly	Grab Sampling
Pentachlorophenol 39032 Effluent O	PERMIT REQUIREMENT	0.0022	0.0082	pounds per day	*****	0.0100	0.0340	mg/L	0	1	Grab Sampling
	SAMPLE	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	mg/L	1	Weekly	Grab Sampling

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Certifier:

Marcus Smith

Certification Date:

2010-01-12

# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2009-01-01 to 2009-12-31

PARAMETER	—	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
Arsenic (Total Recoverable) 00978 Effluent O	SAMPLE MEASUREMENT	0.0008	0.0016	pounds per day	*****	0.0050	0.0100	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	REPORT ANN_AVG	ANN_MAX	pounds per day	*****	REPORT ANN_AVG	ANN_MAX	mg/L	1	Semiannually	24-hr Composite
Chromium (Total Recoverable) 01118 Effluent O	SAMPLE MEASUREMENT	NODI=B	NODI=B	pounds per day	*****	NODI=B	NODI=B	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	REPORT ANN_AVG	ANN_MAX	pounds per day	*****	REPORT ANN_AVG	ANN_MAX	mg/L	1	Semiannually	24-hr Composite
Copper (Total Recoverable) 01119 Effluent O	SAMPLE MEASUREMENT	NODI=B	NODI=B	pounds per day	*****	NODI=B	NODI=B	mg/L	0	1	24-hr Composite
	PERMIT REQUIREMENT	REPORT ANN_AVG	ANN_MAX	pounds per day	*****	REPORT ANN_AVG	ANN_MAX	mg/L	1	Semiannually	24-hr Composite

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**Certifier:**  
Marcus Smith

**Certification Date:**  
2010-01-14



# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001 -MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2009-11-01 to 2009-11-30

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION		UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum			
1 Solids (Total Suspended) 00530 Effluent	PERMIT MEASUREMENT	6.37	9.97	pounds per day	*****	55.2	77.2	0	1	Weekly
	PERMIT REQUIREMENT	<=88	<=175	pounds per day	*****	<=300	<=600	0	1	24-hr Composite
2 pH 00400 Effluent	SAMPLE MEASUREMENT	*****	*****	*****	7.4	*****	8.2	0	1	Weekly
	PERMIT REQUIREMENT	*****	*****	*****	>=5.5 MIN	*****	<=8.5 MAX	0	1	Grab Sampling
3 Phenols (Total) 03604 Effluent	SAMPLE MEASUREMENT	0.0012	0.0026	pounds per day	*****	0.0098	0.0160	0	1	Weekly
	PERMIT REQUIREMENT	<=0.88	<=1.75	pounds per day	*****	<=3	<=6	0	1	Grab Sampling
4 Flow 50050 Effluent	SAMPLE MEASUREMENT	0.0118	0.0197	Million Gallons per Day	*****	*****	*****	0	1	Continuous Recorder
	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=0.035 DALY_MAX	Million Gallons per Day	*****	*****	*****	0	1	Continuous Recorder
5 Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent	SAMPLE MEASUREMENT	2.21	3.12	pounds per day	*****	18.8	26.4	0	1	Weekly
	PERMIT REQUIREMENT	<=70 MONTH_AVG	<=140 DALY_MAX	pounds per day	*****	<=240 MONTH_AVG	<=480 DALY_MAX	0	1	24-hr Composite
6 Oil and grease 03582 Effluent	SAMPLE MEASUREMENT	0.40	2.02	pounds per day	*****	2.5	12.3	0	1	Weekly
	PERMIT REQUIREMENT	REPORT MONTH_AVG	<=28.2 DALY_MAX	pounds per day	*****	REPORT MONTH_AVG	<=100 DALY_MAX	0	1	Grab Sampling
7 Pentachlorophenol 39032 Effluent	SAMPLE MEASUREMENT	0.0005	0.0014	pounds per day	*****	0.0046	0.0120	0	1	Weekly
	PERMIT REQUIREMENT	<=0.053 MONTH_AVG	<=0.105 DALY_MAX	pounds per day	*****	<=0.18 MONTH_AVG	<=0.36 DALY_MAX	0	1	Grab Sampling

**Certification Statement:**  
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**Certifier:**  
Marcus Smith

**Certification Date:**  
2009-12-10

# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2009-10-01 to 2009-10-31

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION			UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum				
1 Solids (Total Suspended) 00530 Effluent	PERMIT MEASUREMENT	9.1	15.4	pounds per day	*****	56.3	87.2	mg/L	0	1	24-hr Composite
2 pH 00400 Effluent	PERMIT MEASUREMENT	<=88	<=175	pounds per day	*****	<=300	<=800	mg/L	1	Weekly	24-hr Composite
3 Phenols (Total) 03604 Effluent	PERMIT MEASUREMENT	*****	*****	*****	7.6	*****	7.9	SU	0	1	Grab Sampling
4 Flow 50050 Effluent	PERMIT MEASUREMENT	0.0027	0.0064	pounds per day	>=5.5 MIN	0.0150	<=9.5 MAX	SU	1	Weekly	Grab Sampling
5 Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent	PERMIT MEASUREMENT	<=0.88	<=1.75	pounds per day	*****	<=3	<=6	mg/L	0	1	Grab Sampling
6 Oil and grease 03582 Effluent	PERMIT MEASUREMENT	0.0177	0.0344	Million Gallons per Day	*****	*****	*****	*****	0	1	Continuous Recorder
7 Pentachlorophenol 39032 Effluent	PERMIT MEASUREMENT	3.86	6.08	pounds per day	*****	23.1	32.3	mg/L	0	1	24-hr Composite
8	PERMIT MEASUREMENT	<=70	<=140	pounds per day	*****	<=240	<=480	mg/L	1	Weekly	24-hr Composite
9	PERMIT MEASUREMENT	NODI=B	NODI=B	pounds per day	*****	NODI=B	NODI=B	mg/L	0	1	Weekly
10	PERMIT MEASUREMENT	REPORT	<=28.2	pounds per day	*****	REPORT	<=100	mg/L	1	Weekly	Grab Sampling
11	PERMIT MEASUREMENT	0.0001	0.0002	pounds per day	*****	0.0003	0.0011	mg/L	0	1	Weekly
12	PERMIT MEASUREMENT	<=0.053	<=0.105	pounds per day	*****	<=0.18	<=0.36	mg/L	1	Weekly	Grab Sampling

### Certification Statement:

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**Certifier:**  
Marcus Smith

**Certification Date:**  
2009-11-09





# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2009-09-01 to 2009-09-30

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION		UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum			
Solids (Total Suspended) 00530 Effluent O	SAMPLE MEASUREMENT PERMIT REQUIREMENT	6.04 ≤88 MONTH_AVG	9.79 ≤175 DALY_MAX	pounds per day	*****	49.3 ≤300 MONTH_AVG	70.8 ≤800 DALY_MAX	0	1	Weekly 24-hr Composite
pH 00400 Effluent O	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	7.6 ≥5.5 MIN	*****	8.0 ≤9.5 MAX	0	1	Weekly Grab Sampling
Phenols (Total) 03604 Effluent O	SAMPLE MEASUREMENT PERMIT REQUIREMENT	0.0008 ≤0.88 MONTH_AVG	0.0019 ≤1.75 DALY_MAX	pounds per day	*****	0.0063 ≤3 MONTH_AVG	0.0140 ≤6 DALY_MAX	0	1	Weekly Grab Sampling
Flow 50050 Effluent O	SAMPLE MEASUREMENT PERMIT REQUIREMENT	0.0138 REPORT MONTH_AVG	0.0233 ≤0.035 DALY_MAX	Million Gallons per Day	*****	*****	*****	0	1	Daily Continuous Recorder
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	SAMPLE MEASUREMENT PERMIT REQUIREMENT	16.90 ≤70 MONTH_AVG	19.54 ≤140 DALY_MAX	pounds per day	*****	144.0 ≤240 MONTH_AVG	168.0 ≤480 DALY_MAX	0	1	Weekly 24-hr Composite
Oil and grease 03562 Effluent O	SAMPLE MEASUREMENT PERMIT REQUIREMENT	NODI=B REPORT MONTH_AVG	NODI=B ≤28.2 DALY_MAX	pounds per day	*****	NODI=B REPORT MONTH_AVG	NODI=B ≤100 DALY_MAX	0	1	Weekly Grab Sampling
Pentachlorophenol 39032 Effluent O	SAMPLE MEASUREMENT PERMIT REQUIREMENT	0.0004 ≤0.053 MONTH_AVG	0.0011 ≤0.105 DALY_MAX	pounds per day	*****	0.0035 ≤0.18 MONTH_AVG	0.0095 ≤0.36 DALY_MAX	0	1	Weekly Grab Sampling

### Certification Statement:

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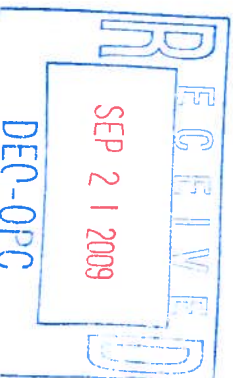
**Certifier:**

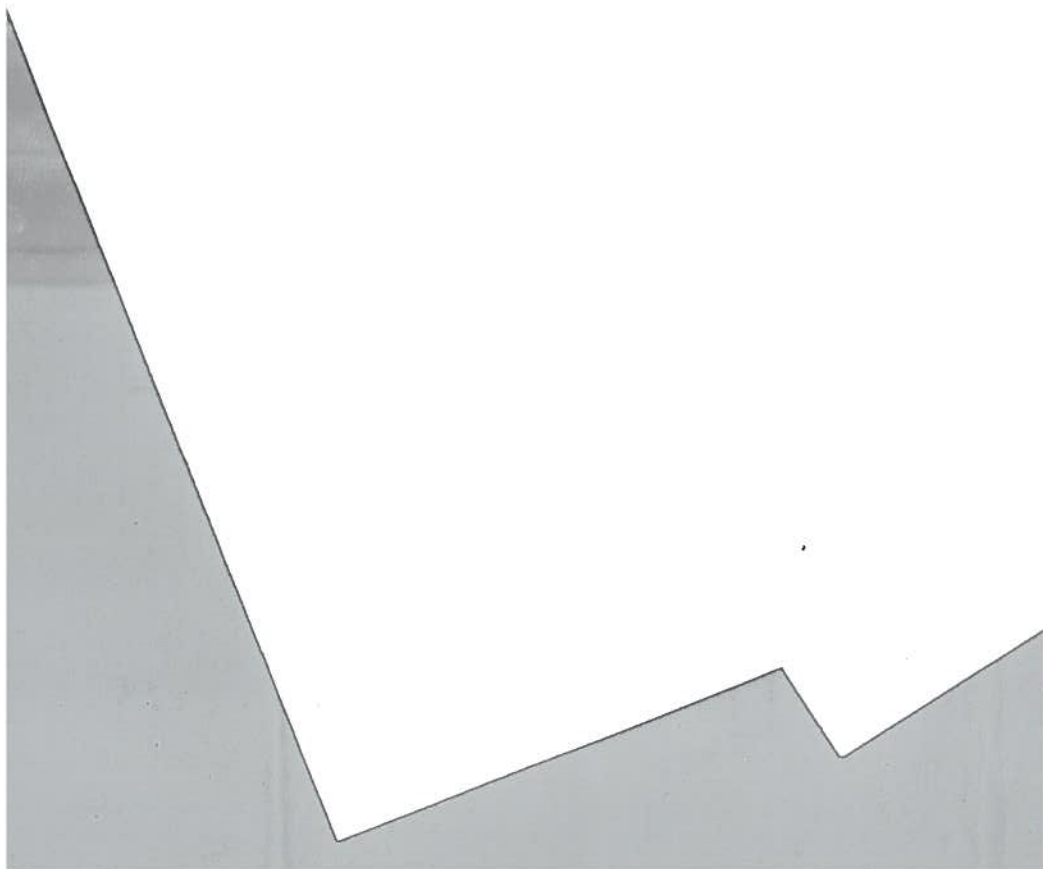
Marcus Smith

**Certification Date:**

2009-10-08









# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**

RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2009-08-01 to 2009-08-31

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION		UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum			
Solids (Total Suspended) Effluent 00530	MEASUREMENT	1.54		pounds per day	*****					
	PERMIT	<=88	<=175	pounds per day	*****					
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX		Weekly	24-hr Composite
pH Effluent 00400	MEASUREMENT	*****	*****	*****	7.6	*****				
	PERMIT	*****	*****	*****	>=5.5 MIN	*****	<=8.5 MAX		Weekly	Grab Sampling
Phenols (Total) Effluent 03604	MEASUREMENT			pounds per day	*****					
	PERMIT	<=0.88	<=1.75	pounds per day	*****					
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX		Weekly	Grab Sampling
Flow Effluent 50050	MEASUREMENT			Million Gallons per Day	*****					
	PERMIT		<=0.035	Million Gallons per Day	*****					
	REQUIREMENT	MONTH_AVG	DALY_MAX						Daily	Continuous Recorder
Oxygen Demand, biochemical, 5-day (20 degrees C) Effluent 00310	MEASUREMENT	3.63		pounds per day	*****					
	PERMIT	<=70	<=140	pounds per day	*****					
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX		Weekly	24-hr Composite
Oil and grease Effluent 03582	MEASUREMENT			pounds per day	*****					
	PERMIT		<=28.2	pounds per day	*****					
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX		Weekly	Grab Sampling
Pentachlorophenol Effluent 39032	MEASUREMENT			pounds per day	*****					
	PERMIT	<=0.053	<=0.105	pounds per day	*****					
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX		Weekly	Grab Sampling

### Certification Statement:

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**Certifier:**  
Marcus Smith

**Certification Date:**  
2009-09-11



# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2009-08-01 to 2009-08-31

PARAMETER	MEASUREMENT	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION		UNITS	NO EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum			
Solids (Total Suspended) 00530 Effluent O	SAMPLE	1.56	4.57	pounds per day	*****	9.8	31.2	0	1	Weekly
	PERMIT	<=88	<=175	pounds per day	*****	<=300	<=800	0	1	Weekly
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	0	1	24-hr Composite
pH 00400 Effluent O	SAMPLE	*****	*****	*****	7.9	*****	8.2	0	1	Weekly
	PERMIT	*****	*****	*****	>=5.5 MIN	*****	<=9.5 MAX	0	1	Weekly
	REQUIREMENT	*****	*****	*****	*****	*****	*****	0	1	Grab Sampling
Phenols (Total) 03604 Effluent O	SAMPLE	0.0009	0.0013	pounds per day	*****	0.0071	0.0130	0	1	Weekly
	PERMIT	<=0.88	<=1.75	pounds per day	*****	<=3	<=6	0	1	Weekly
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	0	1	Grab Sampling
Flow 50050 Effluent O	SAMPLE	0.0133	0.0250	Million Gallons per Day	*****	*****	*****	0	1	Daily
	PERMIT	REPORT	<=0.035	Million Gallons per Day	*****	*****	*****	0	1	Daily
	REQUIREMENT	MONTH_AVG	DALY_MAX	Million Gallons per Day	*****	*****	*****	0	1	Continuous Recorder
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	SAMPLE	4.67	11.02	pounds per day	*****	40.1	149.0	0	1	Weekly
	PERMIT	<=70	<=140	pounds per day	*****	<=240	<=480	0	1	Weekly
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	0	1	24-hr Composite
Oil and grease 03582 Effluent O	SAMPLE	NODI=B	NODI=B	pounds per day	*****	NODI= B	NODI=B	0	1	Weekly
	PERMIT	REPORT	<=28.2	pounds per day	*****	REPORT	<=100	0	1	Weekly
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	0	1	Grab Sampling
Pentachlorophenol 39032 Effluent O	SAMPLE	0.0003	0.0007	pounds per day	*****	0.0017	0.0049	0	1	Weekly
	PERMIT	<=0.053	<=0.105	pounds per day	*****	<=0.18	<=0.36	0	1	Weekly
	REQUIREMENT	MONTH_AVG	DALY_MAX	pounds per day	*****	MONTH_AVG	DALY_MAX	0	1	Grab Sampling

**Certification Statement:**  
"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."

**Certifier:**  
Marcus Smith

**Certification Date:**  
2009-09-11





# Mississippi Department of Environmental Quality

## Discharge Monitoring Report Form

**Agency Interest:**  
876 - Koppers Inc  
Grenada County

**Permit Number:**  
MSP090300

**Subject Item:**  
RPNT 0000000001-MSP090300-001-Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Monitoring Period:**  
2009-07-01 to 2009-07-31

PARAMETER	SAMPLE	QUANTITY OR LOADING		UNITS	QUALITY OR CONCENTRATION		UNITS	NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		Average	Maximum		Minimum	Average	Maximum			
Solids (Total Suspended) 00530 Effluent O	MEASUREMENT	3.54	7.24	pounds per day	*****	20.2	44.8	0	1	24-hr Composite
	PERMIT	<=88	<=175	pounds per day	*****	<=300	<=800		1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX			
pH 00400 Effluent O	MEASUREMENT	*****	*****	*****	8.0	*****	8.3	0	1	Grab Sampling
	PERMIT	*****	*****	*****	>=5.5 MIN	*****	<=9.5 MAX		1	Grab Sampling
	REQUIREMENT									
Phenols (Total) 03804 Effluent O	MEASUREMENT	0.0047	.01	pounds per day	*****	.03	.10	0	1	Grab Sampling
	PERMIT	<=0.88	<=1.75	pounds per day	*****	<=3	<=6		1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX			
Flow 50050 Effluent O	MEASUREMENT	.0141	.0342	Million Gallons per Day	*****	*****	*****	0	1	Continuous Recorder
	PERMIT	REPORT	<=0.035	Million Gallons per Day	*****	*****	*****		1	Continuous Recorder
	REQUIREMENT	MONTH_AVG	DALY_MAX							
Oxygen Demand, biochemical, 5-day (20 degrees C) 00310 Effluent O	MEASUREMENT	.70	1.44	pounds per day	*****	4.6	13.9	0	1	24-hr Composite
	PERMIT	<=70	<=140	pounds per day	*****	MONTH_AVG	<=480		1	24-hr Composite
	REQUIREMENT	MONTH_AVG	DALY_MAX							
Oil and grease 03582 Effluent O	MEASUREMENT	NODI=B	NODI=B	pounds per day	*****	NODI=B	NODI=B	0	1	Grab Sampling
	PERMIT	REPORT	<=29.2	pounds per day	*****	REPORT	<=100		1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX			
Pentachlorophenol 39032 Effluent O	MEASUREMENT	.0006	.0011	pounds per day	*****	.004	.008	0	1	Grab Sampling
	PERMIT	<=0.053	<=0.105	pounds per day	*****	<=0.18	<=0.36		1	Grab Sampling
	REQUIREMENT	MONTH_AVG	DALY_MAX			MONTH_AVG	DALY_MAX			

**Certification Statement:**  
"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."

**Certifier:**  
Marcus Smith

**Certification Date:**  
2009-08-14







# COLORED PEOPLE IN THE TOWN OF THE FUTURE

**NOTE: Read Instructions before completing this form.**

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
662	226 4584	07	06	12

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

NAME RICHARDS INC

ADDRESS P O BOX 160

112 PLANT

MS 38950

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

PERMIT NUMBER MS0000300

DISCHARGE NUMBER 001 A

OMB No. 2040-0004

FACILITY GREENADA COUNTY

LOCATION THE PLANT

MS 38950

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION					NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
DO, (20 DEG C)	SAMPLE MEASUREMENT	1.1	1.6	(26)		7.4	11.4	(17)	0	1/7	24	
DO, (20 DEG C)	PERMIT REQUIREMENT	70	140	DAILY MX		240	480	DAILY MX				
DO, (20 DEG C)	SAMPLE MEASUREMENT				7.7		8.3	(12)	0	1/7	GR	
DO, (20 DEG C)	PERMIT REQUIREMENT				MINIMUM		MAXIMUM					
SUSPENDED SOLIDS TOTAL	SAMPLE MEASUREMENT	5.3	10.4	(26)		32	55	(17)	0	1/7	24	
SUSPENDED SOLIDS TOTAL	PERMIT REQUIREMENT	55	175	DAILY MX		300	600	DAILY MX				
AMMONIA NITROGEN	SAMPLE MEASUREMENT	NODI=B	NODI=B	(26)		NODI=B	NODI=B	(17)	0	1/7	GR	
AMMONIA NITROGEN	PERMIT REQUIREMENT	REPORT	29.2	DAILY MX		REPORT	100	DAILY MX				
AMMONIA NITROGEN	SAMPLE MEASUREMENT	0.002	0.009	(26)		0.0125	0.050	(17)	0	1/7	GR	
AMMONIA NITROGEN	PERMIT REQUIREMENT	0.88	1.75	DAILY MX		MD AVG	0	DAILY MX				
AMMONIA NITROGEN	SAMPLE MEASUREMENT	0.0135	0.0418	(26)		0.096	0.290	(17)	0	1/7	GR	
AMMONIA NITROGEN	PERMIT REQUIREMENT	0.053	0.105	DAILY MX		MD AVG	0.36	DAILY MX				
AMMONIA NITROGEN	SAMPLE MEASUREMENT	0.0152	0.0232	(26)				(17)	0	9/19	RECORD	
AMMONIA NITROGEN	PERMIT REQUIREMENT	REPORT	0.035	DAILY MX								
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.												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER										TELEPHONE		
MARCUS C. SMITH										DATE		
PLANT MANAGER										AREA CODE		
										NUMBER		
										YEAR		
										MO		
										DAY		
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)												





NAME

ADDRESS

PERMIT NUMBER

PERMIT NUMBER

DISCHARGE NUMBER

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

LOCATION

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION					NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
1. GROSS VALUE	SAMPLE MEASUREMENT	0.67	1.19			4.8	7.5		0	1/7	24	
2. PERMIT REQUIREMENT	PERMIT	70	140			240	480					
3. DAILY AVERAGE	MD AVG											
4. DAILY MAXIMUM	DAILY MX											
5. GROSS VALUE	SAMPLE MEASUREMENT				7.9		8.3		0	1/7	GR	
6. PERMIT REQUIREMENT	PERMIT											
7. DAILY AVERAGE	MD AVG											
8. DAILY MAXIMUM	DAILY MX											
9. GROSS VALUE	SAMPLE MEASUREMENT	1.81	2.23			13.5	15.0		0	1/7	24	
10. PERMIT REQUIREMENT	PERMIT	88	175			300	600					
11. DAILY AVERAGE	MD AVG											
12. DAILY MAXIMUM	DAILY MX											
13. GROSS VALUE	SAMPLE MEASUREMENT	3.6	14.02			22.7	88.1		0	1/7	GR	
14. PERMIT REQUIREMENT	PERMIT	REPORT	29.2									
15. DAILY AVERAGE	MD AVG											
16. DAILY MAXIMUM	DAILY MX											
17. GROSS VALUE	SAMPLE MEASUREMENT	NOD=B	NOD=B			NOD=B	NOD=B		0	1/7	GR	
18. PERMIT REQUIREMENT	PERMIT	0.88	1.75									
19. DAILY AVERAGE	MD AVG											
20. DAILY MAXIMUM	DAILY MX											
21. GROSS VALUE	SAMPLE MEASUREMENT	0.0032	0.0126			0.023	0.093		0	1/7	GR	
22. PERMIT REQUIREMENT	PERMIT	0.053	0.105									
23. DAILY AVERAGE	MD AVG											
24. DAILY MAXIMUM	DAILY MX											
25. GROSS VALUE	SAMPLE MEASUREMENT	0.0174	0.0266						0	9/19	GR	
26. PERMIT REQUIREMENT	PERMIT	REPORT	0.035									
27. DAILY AVERAGE	MD AVG											
28. DAILY MAXIMUM	DAILY MX											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MARCUS C. SMITH

PLANT MANAGER

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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

Marcus C. Smith

TELEPHONE

DATE

AREA CODE NUMBER YEAR MO DAY

662226 4584 09 03 10

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





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

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

Form Approved.  
OMB No. 2040-0004

FACILITY  
LOCATION

FROM

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: Read Instructions before completing this form.

PERMIT NUMBER

DISCHARGE NUMBER

PARAMETER

QUANTITY OR LOADING

QUALITY OR CONCENTRATION



AVERAGE

MAXIMUM

UNITS

MINIMUM

AVERAGE

MAXIMUM

UNITS

NO. OF ANALYSIS  
FREQUENCY OF ANALYSIS  
SAMPLE TYPE

SAMPLE MEASUREMENT

0.8

1.2

6.4

10.5

0  
1/1  
24

PERMIT REQUIREMENT

NO AVG

NO AVG

NO AVG

NO AVG

0  
1/1  
GR

SAMPLE MEASUREMENT

2

5.8

8.0

15.2

39

0  
1/1  
24

PERMIT REQUIREMENT

NO AVG

NO AVG

NO AVG

NO AVG

0  
1/1  
GR

SAMPLE MEASUREMENT

0.15

0.74

0.8

4

0  
1/1  
GR

PERMIT REQUIREMENT

NO AVG

NO AVG

NO AVG

NO AVG

0  
1/1  
GR

SAMPLE MEASUREMENT

NO01=B

NO01=B

NO01=B

NO01=B

0  
1/1  
GR

PERMIT REQUIREMENT

NO AVG

NO AVG

NO AVG

NO AVG

0  
1/1  
GR

SAMPLE MEASUREMENT

0.0038

0.0189

0.0204

0.102

0  
1/1  
GR

PERMIT REQUIREMENT

NO AVG

NO AVG

NO AVG

NO AVG

0  
1/1  
GR

SAMPLE MEASUREMENT

0.0166

0.0333

0  
9/1/99  
RCORSE

PERMIT REQUIREMENT

NO AVG

NO AVG

0  
9/1/99  
RCORSE

SAMPLE MEASUREMENT

0.0166

0.0333

0  
9/1/99  
RCORSE

PERMIT REQUIREMENT

NO AVG

NO AVG

0  
9/1/99  
RCORSE

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

MARCUS E. SMITH

PLANT MANAGER

TYPED OR PRINTED

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

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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
DATE  
AREA CODE  
NUMBER  
YEAR  
MO  
DAY

662 226 4534  
09 01 14



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

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

Form Approved.  
OMB No. 2040-0004

FACILITY  
LOCATION

PERMIT NUMBER  
DISCHARGE NUMBER  
MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
TOTAL REQUIREMENT	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/180	24
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/180	24
	PERMIT REQUIREMENT										
TOTAL REQUIREMENT	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/180	24
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
TOTAL REQUIREMENT	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
TOTAL REQUIREMENT	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
TOTAL REQUIREMENT	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.									
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		MARCUS C. SMITH									
TYPED OR PRINTED		MARCUS C. SMITH									
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)		12345678910111213141516171819202122232425262728293031									

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

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

Form Approved.  
OMB No. 2040-0004

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD  
FROM  
YEAR MO DAY  
TO  
YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT	1.0	1.2			6.5	8.4		0	1/1	24
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT				8.3	8.4		0	1/1	GR
	PERMIT REQUIREMENT									
SAMPLE MEASUREMENT	2.1	3.2			14.8	24		0	1/1	24
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT	NOD1=B	NOD1=B		NOD1=B	NOD1=B		0	1/1	GR
	PERMIT REQUIREMENT									
SAMPLE MEASUREMENT	NOD1=B	NOD1=B			NOD1=B	NOD1=B		0	1/1	GR
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT	0.0001	0.0005		0.0008	0.003		0	1/1	GR
	PERMIT REQUIREMENT									
SAMPLE MEASUREMENT	0.0133	0.0213						0	9/99	RECORDED
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

1 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.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
MARCUS C. SMITH  
PLANT MANAGER  
TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
MARCUS C. SMITH

TELEPHONE  
662-226-4587

DATE  
08 12 19

AREA CODE  
662

NUMBER  
226-4587

YEAR  
08

MO  
12

DAY  
19

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



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

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

Form Approved.  
OMB No. 2040-0004

FACILITY  
LOCATION

PERMIT NUMBER  
DISCHARGE NUMBER  
MONITORING PERIOD  
FROM  
YEAR MO DAY  
TO  
YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. OF ANALYSIS	FREQUENCY OF ANALYSIS	SAMPLE TYPE				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM							
SAMPLE MEASUREMENT		3.1	10.4			21.6	73.1	0	1/7	GR				
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT				8.1		8.2	0	1/7	GR				
	PERMIT REQUIREMENT													
SAMPLE MEASUREMENT		1.6	2.3			11	14	0	1/7	GR				
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B	0	1/7	GR				
	PERMIT REQUIREMENT													
SAMPLE MEASUREMENT		0.005	0.0202			0.035	0.14	0	1/7	GR				
	PERMIT REQUIREMENT													
	SAMPLE MEASUREMENT	0.0096	0.0378			0.0065	0.2620	0	1/7	GR				
	PERMIT REQUIREMENT													
SAMPLE MEASUREMENT		0.015	0.0197					0	1/7	GR				
	PERMIT REQUIREMENT													
	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.								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE	
	VANCE R. HASKIN								[Signature]		662 226 4564		E18 11 14	
PLANT MANAGER														
TYPED OR PRINTED														

ADDRESS

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY  
LOCATION

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION					NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
COOLING WATER	SAMPLE MEASUREMENT	1.2	2.4			9.7	15.0		0	1/1	24	
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT				7.8		8.2		0	1/1	GR	
	PERMIT REQUIREMENT											
CONDENSATE	SAMPLE MEASUREMENT	0.9	1.3			7.8	15.0		0	1/1	24	
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT	0.1	0.3			0.6	3.2		0	1/1	GR	
	PERMIT REQUIREMENT											
WASTEWATER	SAMPLE MEASUREMENT	0.0031	0.0103			0.024	0.060		0	1/1	GR	
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/1	GR	
	PERMIT REQUIREMENT											
WASTEWATER	SAMPLE MEASUREMENT	0.0155	0.0235						0	1/1	GR	
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.										
VANCE R. HASKIN		Signature of Vance R. Haskin.										
PLANT MANAGER		Signature of Plant Manager.										
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)		TELEPHONE AREA CODE NUMBER DATE YEAR MO DAY										



ADDRESS

FACILITY

LOCATION

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

FROM

YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE			
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS		
COG. GROSS VALUE	SAMPLE MEASUREMENT	1.8	3.6			9.9	17.6		0	1/1	24		
PERMIT REQUIREMENT													
COG. GROSS VALUE	SAMPLE MEASUREMENT				7.7		8.3		0	1/1	CR		
PERMIT REQUIREMENT													
SUSPENDED	SAMPLE MEASUREMENT	1.7	3.7			9.3	18		0	1/1	24		
PERMIT REQUIREMENT													
COG. GROSS VALUE	SAMPLE MEASUREMENT	0.2	0.7			0.8	3.3		0	1/1	CR		
PERMIT REQUIREMENT													
COG. GROSS VALUE	SAMPLE MEASUREMENT	0.0066	0.0134			0.035	0.07		0	1/1	CR		
PERMIT REQUIREMENT													
COG. GROSS VALUE	SAMPLE MEASUREMENT	0.0046	0.016			0.0348	0.127		0	1/1	CR		
PERMIT REQUIREMENT													
COG. GROSS VALUE	SAMPLE MEASUREMENT	0.0191	0.0284						0	9/19	RCOOR		
PERMIT REQUIREMENT													
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.								TELEPHONE		DATE	
VANCE R. HASKIN PLANT MANAGER										064 224 4584		08 09 05	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								AREA CODE		NUMBER	
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										064 224 4584		08 09 05	

NAME  
ADDRESS

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY  
LOCATION

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE			
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS		
EFFLUENT CHLORIDE VALUE	SAMPLE MEASUREMENT	1.4	3.2			10.8	21		0	1/7	24		
	PERMIT REQUIREMENT												
EFFLUENT CHLORIDE VALUE	SAMPLE MEASUREMENT				7.9		8.4		0	1/7	GR		
	PERMIT REQUIREMENT												
EFFLUENT CHLORIDE VALUE	SAMPLE MEASUREMENT	1.8	3.5			15.3	23		0	1/7	24		
	PERMIT REQUIREMENT												
EFFLUENT CHLORIDE VALUE	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR		
	PERMIT REQUIREMENT												
EFFLUENT CHLORIDE VALUE	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR		
	PERMIT REQUIREMENT												
EFFLUENT CHLORIDE VALUE	SAMPLE MEASUREMENT	0.0008	0.0015			0.007	0.015		0	1/7	GR		
	PERMIT REQUIREMENT												
EFFLUENT CHLORIDE VALUE	SAMPLE MEASUREMENT	0.0064	0.0236						0	7/7	RECEIVED		
	PERMIT REQUIREMENT												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.								TELEPHONE		DATE	
PLANT MANAGER										664226 4584		08 08 11	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)													



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

NAME

PERMIT NUMBER

DISCHARGE NUMBER

ADDRESS

FACILITY

LOCATION

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION					NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
CO2	SAMPLE MEASUREMENT	0.4	0.7			3.4	4.8		0	1/7	24	
	PERMIT REQUIREMENT											
CO2	SAMPLE MEASUREMENT				7.7		8.3		0	1/7	62	
	PERMIT REQUIREMENT											
CO2	SAMPLE MEASUREMENT	2.1	3.7			19.8	27		0	1/7	24	
	PERMIT REQUIREMENT											
CO2	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	62	
	PERMIT REQUIREMENT											
CO2	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	62	
	PERMIT REQUIREMENT											
CO2	SAMPLE MEASUREMENT	0.0005	0.0007			0.004	0.006		0	1/7	62	
	PERMIT REQUIREMENT											
CO2	SAMPLE MEASUREMENT	0.0129	0.0229						0	Cont	RRD	
	PERMIT REQUIREMENT											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

VANCE R. HASKIN

PLANT MANAGER

TYPED OR PRINTED

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

1 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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

OFFICE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

DATE

AREA CODE

NUMBER

YEAR

MO

DAY

NAME

ADDRESS

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY

LOCATION

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
COBALT	SAMPLE MEASUREMENT	0.6	0.9			5.5	6.6		0	1/7	24
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT				8.0		8.2		0	1/7	CR
SODIUM	SAMPLE MEASUREMENT	2.1	3.8			19.6	28		0	1/7	24
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	CR
PERMIT REQUIREMENT	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	CR
	PERMIT REQUIREMENT										
PERMIT REQUIREMENT	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT	0.0002	0.0006			0.0016	0.0050		0	1/7	CR
	PERMIT REQUIREMENT										
PERMIT REQUIREMENT	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT	0.0160	0.0253						0	1/7	CR
	PERMIT REQUIREMENT										



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

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

ADDRESS

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY LOCATION

MONITORING PERIOD

FROM

TO

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM						
EFFLUENT CROSS VALU	SAMPLE MEASUREMENT	1.5	2.6			9.0	12.6		0	1/1	24hr		
	PERMIT REQUIREMENT												
EFFLUENT CROSS VALU	SAMPLE MEASUREMENT				6.7		8.0		0	1/1	6hr		
	PERMIT REQUIREMENT												
EFFLUENT CROSS VALU	SAMPLE MEASUREMENT	4.7	8.6			27.5	42.0		0	1/1	24hr		
	PERMIT REQUIREMENT												
EFFLUENT CROSS VALU	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/1	6hr		
	PERMIT REQUIREMENT												
EFFLUENT CROSS VALU	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/1	6hr		
	PERMIT REQUIREMENT												
EFFLUENT CROSS VALU	SAMPLE MEASUREMENT	0.0424	0.1639			0.2093	0.800		3	1/1	cont. limit		
	PERMIT REQUIREMENT												
EFFLUENT CROSS VALU	SAMPLE MEASUREMENT	0.0174	0.0270						0	cont. limit			
	PERMIT REQUIREMENT												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.								TELEPHONE		DATE	
VANCE R. HASSEIN		2008								662 226 4584		08 05 09	
PLANT MANAGER		Signature of Principal Executive Officer or Authorized Agent								662 226 4584		08 05 09	
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)													

PERMITTEE NAME/ADDRESS (Include Facility Name)

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

Form Approved.  
OMB No. 2040-0004

ADDRESS

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY LOCATION

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
SAMPLE MEASUREMENT	SAMPLE MEASUREMENT	1.7	3.4			11	25.5		0	1/7	24
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT				7.4		8.6		0	1/7	GR
	PERMIT REQUIREMENT										
SAMPLE MEASUREMENT	SAMPLE MEASUREMENT	7.6	12.5			46.2	71		0	1/7	24
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT										
SAMPLE MEASUREMENT	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT	0.0005	0.0012			0.003	0.009		0	1/7	GR
	PERMIT REQUIREMENT										
SAMPLE MEASUREMENT	SAMPLE MEASUREMENT	0.0179	0.0253						0	99/99	RC
	PERMIT REQUIREMENT										
	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.										
	NAME/TITLE PRINCIPAL EXECUTIVE OFFICER										
VANCE R. HASKIN											
PLANT MANAGER											
TYPED OR PRINTED											
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											



DISCHARGE NUMBER

**NOTE: Read Instructions before completing this form.**

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE		
		AVERAGE	MAXIMUM	UNITS	AVERAGE	MAXIMUM	UNITS					
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	1.8	4.1			11.7	27.0	0	1/7	24		
		SAMPLE MEASUREMENT	PERMIT REQUIREMENT						0	1/7	GR	
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	20.2	62.0			132.3	409.0	0	1/7	24		
		SAMPLE MEASUREMENT	PERMIT REQUIREMENT						0	1/7	GR	
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	NOD1=B	NOD1=B			NOD1=B	NOD1=B	0	1/7	GR		
		SAMPLE MEASUREMENT	PERMIT REQUIREMENT						0	1/7	GR	
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	NOD1=B	NOD1=B			NOD1=B	NOD1=B	0	1/7	GR		
		SAMPLE MEASUREMENT	PERMIT REQUIREMENT						0	1/7	GR	
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	90180	0.0265					0	cont.	TECH		
		SAMPLE MEASUREMENT	PERMIT REQUIREMENT									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.							TELEPHONE		DATE	
VANCE R. HASKIN PLANT MANAGER									6622264584		08 03 06	
TYPED OR PRINTED												

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)  
NAME  
ADDRESS  
FACILITY  
LOCATION

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

Form Approved.  
OMB No. 2040-0004

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD  
FROM  
YEAR MO DAY  
TO  
YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT		1.7	3.9			17.2	25.5	0	1/h	24
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT					7.9		8.2	0	1/h	GR
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT		7.2	24.4			57	160	0	1/h	24
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT		NODI=B	NODI=B			NODI=B	NODI=B	0	1/h	GR
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT		NODI=B	NODI=B			NODI=B	NODI=B	0	1/h	GR
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT		0.0005	0.0023			0.003	0.015	0	1/h	GR
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT		0.0127	0.022					99/99	N/A	
PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.					TELEPHONE		DATE		
VANCE R. HASKIN										
PLANT MANAGER										
TYPED OR PRINTED										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										



NAME  
ADDRESS  
CITY  
STATE  
ZIP

MSPOV0300  
PERMIT NUMBER

001 A  
DISCHARGE NUMBER

MINDR  
(OWN NO)  
F - FINAL

TOTAL FACILITY DISCHARGE

FACILITY  
LOCATION

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT		0.7	1.3	(26)	***	9.0	16.5	(19)	0 1/7	24
PERMIT REQUIREMENT		70 MG AVG	140 DAILY MX	LB/DY	***	240 MG AVG	480 DAILY MX	MO/L	0 1/7	24
SAMPLE MEASUREMENT		***	***	***	7.4	***	8.1	(12)	0 1/7	GR
PERMIT REQUIREMENT		***	***	***	MINIMUM	***	MAXIMUM	50	0 1/7	24
SAMPLE MEASUREMENT		3.4	5.7	(26)	***	40.3	71	(19)	0 1/7	24
PERMIT REQUIREMENT		58 MG AVG	175 DAILY MX	LB/DY	***	300 MG AVG	600 DAILY MX	MO/L	0 1/7	24
SAMPLE MEASUREMENT		NODI=B	NODI=B	(26)	***	NODI=B	NODI=B	(19)	0 1/7	GR
PERMIT REQUIREMENT		REPORT MG AVG	29.2 DAILY MX	LB/DY	***	REPORT MG AVG	100 DAILY MX	MO/L	0 1/7	GR
SAMPLE MEASUREMENT		NODI=B	NODI=B	(26)	***	NODI=B	NODI=B	(19)	0 1/7	GR
PERMIT REQUIREMENT		0.88 MG AVG	1.75 DAILY MX	LB/DY	***	3 MG AVG	6 DAILY MX	MO/L	0 1/7	GR
SAMPLE MEASUREMENT		0.0001	0.0003	(26)	***	0.0008	0.0020	(19)	0 1/7	GR
PERMIT REQUIREMENT		0.053 MG AVG	0.105 DAILY MX	LB/DY	***	0.18 MG AVG	0.36 DAILY MX	MO/L	0 1/7	GR
SAMPLE MEASUREMENT		0.0096	0.0152	(26)	***	***	***	(19)	0 1/7	GR
PERMIT REQUIREMENT		REPORT MG AVG	0.035 DAILY MX	LB/DY	***	***	***	MO/L	0 1/7	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
VANCE R. HASELIN

PLANT MANAGER

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

1 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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

RECEIVED JAN 2008

TELEPHONE

DATE

AREA CODE NUMBER YEAR MO DAY

6622264584 08 01 09







NAME  
ADDRESS  
CITY  
STATE  
ZIP

PERMIT NUMBER  
DISCHARGE NUMBER

MINOR  
(SUPER MINOR)  
FINAL

FACILITY  
LOCATION

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

TOTAL FACILITY DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT	PERMIT	0.7	1.3			6.4	13.8		0	1/7 24
		70 MD AVG	140 DAILY MX			240 MD AVG	480 DAILY MX			WEEKLY COMP 24
SAMPLE MEASUREMENT	PERMIT								0	2/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT	3.3	6.7			30	49		0	1/7 24
										WEEKLY COMP 24
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
										WEEKLY GRAB
SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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SAMPLE MEASUREMENT	PERMIT								0	1/7 GR
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**Attaching this form.**

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

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

OMB No. 2040-0004

NAME  
HARRIS INC

ADDRESS  
P.O. BOX 240  
PLANT

CITY  
PLANT

STATE  
MISSISSIPPI

ZIP  
39260

LOCATION  
PLANT

1567070300  
PERMIT NUMBER

001 A  
DISCHARGE NUMBER

MONITORING PERIOD

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

MINOR  
(0000) NO  
F - FINAL

TOTAL FACILITY DISCHARGE

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	0.5	0.7	(16)	*****	3.4	4.2	0	1/4	24
		70 MG AVG	140 DAILY MX	BS/DY	*****	240 MG AVG	480 DAILY MX		WEEKLY	COMP 24
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	*****	*****	*****	7.5	*****	8.6	0	1/4	GR
		*****	*****	*****	5.5 MINIMUM	*****	7.5 MAXIMUM		WEEKLY	GRAB
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	4.0	7.3	(16)	*****	23.4	40.0	0	1/4	24
		68 MG AVG	175 DAILY MX	BS/DY	*****	300 MG AVG	600 DAILY MX		WEEKLY	COMP 24
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	NODI=B	NODI=B	(26)	*****	NODI=B	NODI=B	0	1/4	GR
		REPORT	29.2 DAILY MX	BS/DY	*****	REPORT	100 DAILY MX		WEEKLY	GRAB
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	NODI=B	NODI=B	(17)	*****	NODI=B	NODI=B	0	1/4	GR
		68 MG AVG	1.75 DAILY MX	BS/DY	*****	68 MG AVG	5 DAILY MX		WEEKLY	GRAB
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	NODI=B	NODI=B	(17)	*****	NODI=B	NODI=B	0	1/4	GR
		0.053 MG AVG	0.105 DAILY MX	BS/DY	*****	0.053 MG AVG	0.36 DAILY MX		WEEKLY	GRAB
SAMPLE MEASUREMENT	PERMIT REQUIREMENT	0.0196	0.0306	(10)	*****	*****	*****	0	01/01	Re
		REPORT	0.035 DAILY MX	BS/DY	*****	*****	*****		DAILY	RECORD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
VANCE R. HASKIN

PLANT MANAGER  
TYPED OR PRINTED

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

Signature of Principal Executive Officer or Authorized Agent: *Vance R. Haskin*

TELEPHONE: 662-226-4584

DATE: 07 08 09

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

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

OMB No. 2040-0004

NAME  
ADDRESS  
CITY  
STATE  
ZIP

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY  
LOCATION

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION					NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
SAMPLE MEASUREMENT		350.5	661.1			3.5	6.6		0	1/1	24	
	PERMIT REQUIREMENT	70	140	DAILY MX	240	480	DAILY MX					
SAMPLE MEASUREMENT					7.4		8.9		0	2/1	GR	
	PERMIT REQUIREMENT											
SAMPLE MEASUREMENT		6.8	17.8			56.5	103		0	1/1	24	
	PERMIT REQUIREMENT	38	175	DAILY MX	300	600	DAILY MX					
SAMPLE MEASUREMENT		NODI=B	NODI=B			NODI=B	NODI=B		0	1/1	GR	
	PERMIT REQUIREMENT	REPORT	29.2	DAILY MX		REPORT	100	DAILY MX				
SAMPLE MEASUREMENT		NODI=B	NODI=B			NODI=B	NODI=B		0	1/1	GR	
	PERMIT REQUIREMENT	0.88	1.75	DAILY MX		0.18	0.36	DAILY MX				
SAMPLE MEASUREMENT		0.0001	0.0003			0.0005	0.002		0	1/1	GR	
	PERMIT REQUIREMENT	0.053	0.105	DAILY MX								
SAMPLE MEASUREMENT		0.0159	0.0306						0	99/69	TM	
	PERMIT REQUIREMENT	REPORT	0.035	DAILY MX								

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.

*VANCE R. HASLIN*  
VANCE R. HASLIN  
1211016  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

662-2264584  
AREA CODE NUMBER  
662-2264584  
NUMBER  
07  
YEAR  
07  
MO  
06  
DAY

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



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

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

Form Approved  
OMB No. 2040-0004

NAME  
ADDRESS  
CITY  
STATE  
ZIP

MSPO90300  
PERMIT NUMBER

001 A  
DISCHARGE NUMBER

FACILITY  
LOCATION

MONITORING PERIOD  
FROM YEAR MO DAY TO YEAR MO DAY

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
SAMPLE MEASUREMENT		0.4	0.9			5.3	6.0		0 1/7	24
	PERMIT REQUIREMENT	70 MG AVG	140 DAILY MX			240 MG AVG	480 DAILY MX		WEEKLY	COMP 24
SAMPLE MEASUREMENT					7.5		8.2		0 1/7	GR
	PERMIT REQUIREMENT				5.5 MINIMUM		9.5 MAXIMUM		WEEKLY	GRAB
SAMPLE MEASUREMENT		6.6	14.2			72	96		0 1/7	24
	PERMIT REQUIREMENT	58 MG AVG	175 DAILY MX			300 MG AVG	600 DAILY MX		WEEKLY	COMP 24
SAMPLE MEASUREMENT		NODI=B	NODI=B			NODI=B	NODI=B		0 1/7	GR
	PERMIT REQUIREMENT	REPORT	29.2 DAILY MX			REPORT	100 DAILY MX		WEEKLY	GRAB
SAMPLE MEASUREMENT		NODI=B	NODI=B			NODI=B	NODI=B		0 1/7	GR
	PERMIT REQUIREMENT	0.88 MG AVG	1.75 DAILY MX			3 MG AVG	6 DAILY MX		WEEKLY	GRAB
SAMPLE MEASUREMENT		NODI=B	NODI=B			NODI=B	NODI=B		0 1/7	GR
	PERMIT REQUIREMENT	0.053 MG AVG	0.105 DAILY MX			0.18 MG AVG	0.36 DAILY MX		WEEKLY	GRAB
SAMPLE MEASUREMENT		0.0118	0.0243						0 9/19	TM
	PERMIT REQUIREMENT	REPORT	0.035 DAILY MX						DAILY	RECORD
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER										
VANCE R. HASKIN										
PLANT MANAGER										
TYPED OR PRINTED										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										
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.										
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		Vance R. Haskin								
TELEPHONE										
DATE										
AREA CODE		662 226 4584								
NUMBER		07 06 13								
YEAR		07								
MO		06								
DAY		13								

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

NAME

ADDRESS

LOCATION

FACILITY  
CRENADA COUNTY

LOCATION

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

PERMIT NUMBER  
1200900000

DISCHARGE NUMBER  
701 A

MONITORING PERIOD  
YEAR MO DAY  
07 04 01  
TO  
YEAR MO DAY  
07 04 01

MINOR (SUDR NO.)  
F - FINAL  
TOTAL FACILITY DISCHARGE  
NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION					NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
SAMPLE MEASUREMENT		0.5	0.9	( 17 )	*****	6.4	9.9	( 17 )	0	1/7	24	
	PERMIT REQUIREMENT	70	140	140 DAILY MX	*****	740	480	480 DAILY MX		WEEKLY	COMP 24	
	SAMPLE MEASUREMENT								0	1/7	GR	
	PERMIT REQUIREMENT	*****			MINIMUM	*****	9.5	MAXIMUM		WEEKLY	GRAB	
SAMPLE MEASUREMENT		5.8	15.4	( 17 )	*****	70	99	( 17 )	0	1/7	24	
	PERMIT REQUIREMENT	58	175	175 DAILY MX	*****	500	600	600 DAILY MX		WEEKLY	COMP 24	
	SAMPLE MEASUREMENT								0	1/7	GR	
	PERMIT REQUIREMENT	0.1	0.4	( 17 )	*****	0.5	2.6	( 17 )	0	1/7	GR	
SAMPLE MEASUREMENT		NODI=B	NODI=B	( 17 )	*****	NODI=B	NODI=B	( 17 )	0	1/7	GR	
	PERMIT REQUIREMENT	0.88	1.75	1.75 DAILY MX	*****	3	6	6 DAILY MX		WEEKLY	GRAB	
	SAMPLE MEASUREMENT								0	1/7	GR	
	PERMIT REQUIREMENT	0.0001	0.0002	( 26 )	*****	0.0034	0.0130	( 17 )	0	1/7	GR	
SAMPLE MEASUREMENT		0.053	0.105	0.105 DAILY MX	*****	0.18	0.36	0.36 DAILY MX		WEEKLY	GRAB	
	PERMIT REQUIREMENT	0.053	0.105	0.105 DAILY MX	*****	0.18	0.36	0.36 DAILY MX		WEEKLY	GRAB	
	SAMPLE MEASUREMENT								0	1/7	GR	
	PERMIT REQUIREMENT	0.01	0.0198	0.035 DAILY MX	*****	0.01	0.0198	0.035 DAILY MX		WEEKLY	GRAB	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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.										
VANCE R. HASLIN		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
PLANT MANAGER		TELEPHONE										
TYPED OR PRINTED		DATE										
		662 226 4684 07 05 14										



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

VANCE R. HASLIN INDUSTRIES INC

ADDRESS 10 BOX 160

THE PLANT

MS 38960

FACILITY GREENADA COUNTY

LOCATION THE PLANT

MS 38960

ATTN: THOMAS L. HENDERSON

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

MSPO90300  
PERMIT NUMBER

001 A  
DISCHARGE NUMBER

MONITORING PERIOD							
YEAR	MO	DAY	TO	YEAR	MO	DAY	
07	06	01		07	06	01	

MINOR (SUBR NO)  
F - FINAL  
TOTAL FACILITY DISCHARGE  
NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM		AVERAGE	MAXIMUM					
300, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	1.3	3.1	(20)	12.2	19.5	(19)		0	1/7	24
00310 1 0 0	PERMIT REQUIREMENT	70	140	BS/DY	240	480	MG/L			WEEKLY	24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	BS/DY	*****	*****	MG/L		0	2/7	GR
00000 1 0 0	PERMIT REQUIREMENT	*****	*****	BS/DY	*****	*****	MG/L			WEEKLY	24
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	6.2	13.5	(20)	57.5	85	(17)		0	1/7	24
00530 1 0 0	PERMIT REQUIREMENT	88	175	BS/DY	300	600	MG/L			WEEKLY	24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.2	0.5	(20)	2.1	3.4	(17)		0	1/7	GR
00560 1 0 0	PERMIT REQUIREMENT	REPORT	27.2	BS/DY	REPORT	100	MG/L			WEEKLY	24
ENTACHLOROPHENOL	SAMPLE MEASUREMENT	0.0004	0.001	(20)	0.003	0.006	(17)		0	1/7	GR
00002 1 0 0	PERMIT REQUIREMENT	0.053	0.105	BS/DY	0.18	0.36	MG/L			WEEKLY	24
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	NOD1=B	NOD1=B	(20)	NOD1=B	NOD1=B	(17)		0	1/7	GR
00000 1 0 0	PERMIT REQUIREMENT	0.88	1.75	BS/DY	0.88	1.75	MG/L			WEEKLY	24
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.0132	0.0591	BS/DY	0.0132	0.0591	MG/L		0	99/99	TM
00050 1 0 0	PERMIT REQUIREMENT	REPORT	0.035	BS/DY	REPORT	0.035	MG/L			DAILY	CONTIN
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	MD AVG	DAILY MX	MD AVG	DAILY MX	DAILY MX	MG/L				
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER											
VANCE R. HASLIN											
PLANT MANAGER											
TYPED OR PRINTED											
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)											
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 ensure 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.											
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
VANCE R. HASLIN											
TELEPHONE											
DATE											
AREA CODE NUMBER YEAR MO DAY											
601-226-4584 07 04 05											





**NOTE: Read Instructions before completing this form.**

TELEPHONE		DATE		
AREA	NUMBER	YEAR	MO	DAY
	6602 226 4584	08	01	09





Vance R. Haskin  
Plant Manager



Koppers Inc.  
Utility Poles and Piling  
P. O. Box 160  
Tie Plant, MS 38960  
Tel 662 226 4584  
Fax 662 226 4588  
Haskinvr@koppers.com  
www.koppers.com

May 14, 2007

Mississippi Department of Environmental Quality  
Environmental Compliance Division  
Office of Pollution Control  
P.O. Box 10385  
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2311

**Subject: Koppers Inc.  
Grenada Facility, April 2007 - POTW Permit #MSP090300  
Discharge Monitoring Report (DMR)**



Dear Sir or Madam:

Enclosed you will find the April 2007 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during this reporting period.

If you have any questions please call me at 662-226-4584 ext. 11.

I certify under penalty of law that this document and all attachments were prepared under the 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.

Sincerely,

A handwritten signature in black ink that reads "Vance R. Haskin". The signature is written in a cursive, flowing style.

Vance R. Haskin

CC: Joyce Fankulewski – KI CSG

Vance R. Haskin  
Plant Manager



Koppers Inc.  
Utility Poles and Piling  
P. O. Box 160  
Tie Plant, MS 38960  
Tel 662 226 4584  
Fax 662 226 4588  
Haskinvr@koppers.com  
www.koppers.com

April 16, 2007

Mississippi Department of Environmental Quality  
Environmental Compliance Division  
Office of Pollution Control  
P.O. Box 10385  
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2342

**Subject: Koppers Inc.  
Grenada Facility, March 2007 - POTW Permit #MSP090300  
Discharge Monitoring Report (DMR)**

Dear Sir or Madam:

Enclosed you will find the March 2007 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during this reporting period.

If you have any questions please call me at 662-226-4584 ext. 11.

I certify under penalty of law that this document and all attachments were prepared under the 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.

Sincerely,

A handwritten signature in black ink that reads "Vance R. Haskin".

Vance R. Haskin

CC: Joyce Fankulewski – KI CSG







STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

April 17, 2007

Mr. Vance Haskin  
Plant Manager  
Koppers Inc  
PO Box 160  
Tie Plant, MS 38960

FILE COPY

Dear Mr. Haskin:

Re: Koppers Inc  
Grenada County  
Ref. No.MSP090300  
Corrected DMR Page

Enclosed is the first page of Effluent Limitations and Monitoring Requirements for the current permit. The page has been corrected for the parameter Biochemical Oxygen Demand. The parameter should be for the 5-day Biochemical Oxygen Demand at 20 degrees C rather than 5-Day Percent Removal for BOD.

If you have any questions, please contact me at (601) 961-5193.

Sincerely,

A handwritten signature in black ink that reads "Tommy Wall".

Tommy Wall, P.E.  
Environmental Permits Division

876 PER20060001

OFFICE OF POLLUTION CONTROL

POST OFFICE BOX 10385 • JACKSON, MISSISSIPPI 39289-0385 • TEL: (601) 961-5171 • FAX: (601) 354-6612 • [www.deq.state.ms.us](http://www.deq.state.ms.us)

AN EQUAL OPPORTUNITY EMPLOYER

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blo

RPNT0000000001: MSP090300-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Conc. / Quality Minimum	Conc. / Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	Sample Type	Which Months
Flow Effluent	Report Monthly Average	0.035 Daily Maximum	Million Gallons per Day	*****	*****	*****	*****	Daily	Continuous Recorder	Jan-Dec
Oil and grease Effluent	Report Monthly Average	29.2 Daily Maximum	pounds per day	*****	Report Monthly Average	100 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Oxygen Demand, biochemical, 5-day (20 degrees C) Effluent	70 Monthly Average	140 Daily Maximum	pounds per day	*****	240 Monthly Average	480 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec
Pentachlorophenol Effluent	0.053 Monthly Average	0.105 Daily Maximum	pounds per day	*****	0.18 Monthly Average	0.36 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
pH Effluent	*****	*****	*****	5.5 Minimum	*****	9.5 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
Phenols (Total) Effluent	0.88 Monthly Average	1.75 Daily Maximum	pounds per day	*****	3 Monthly Average	6 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Solids (Total Suspended) Effluent	88 Monthly Average	175 Daily Maximum	pounds per day	*****	300 Monthly Average	600 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec
Arsenic (Total Recoverable) Effluent	Report Annual Average	0.13 Annual Maximum	pounds per day	*****	Report Annual Average	0.45 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec



STATE OF MISSISSIPPI  
HALEY BARBOUR  
GOVERNOR  
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

March 27, 2007

CERTIFIED MAIL – 7000-1670-0013-2656-1540

Mr. Vance R. Haskin  
Koppers Inc.  
Post Office Box 160  
Tie Plant, MS 38960

FILE COPY

Dear Mr. Haskin:

Re: Koppers Industries Inc  
Grenada County  
Water Ref. No. MSP090300

Enclosed please find the environmental permit referenced above. Please note the limitations, schedules of compliance, monitoring requirements, and monitoring reporting dates found in this permit.

Permit No. MSP090300 is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Sections 49-17-1, et seq., Mississippi Code of 1972). Any appeal of these permit actions must be made within the 30-day period provided for in Section 49-17-29(4)(b) Mississippi Code of 1972.

Sincerely,

A handwritten signature in black ink that reads "Tommy Wall".

Tommy Wall, P.E.  
Environmental Permits Division

Enclosure  
cc: Jo Sharp

876 PER20060001

Vance R. Haskin  
Plant Manager



Koppers Inc.  
Utility Poles and Piling  
P. O. Box 160  
Tie Plant, MS 38960  
Tel 662 226 4584  
Fax 662 226 4588  
Haskinvr@koppers.com  
www.koppers.com

March 16, 2007

Mississippi Department of Environmental Quality  
Environmental Compliance Division  
Office of Pollution Control  
P.O. Box 10385  
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2410

**Subject: Koppers Inc.  
Grenada Facility, February 2007 - POTW Permit #MSP090300  
Discharge Monitoring Report (DMR)**



Dear Sir or Madam:

Enclosed you will find the February 2007 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during this reporting period.

If you have any questions please call me at 662-226-4584 ext. 11.

I certify under penalty of law that this document and all attachments were prepared under the 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.

Sincerely,

*Vance R. Haskin*  
Vance R. Haskin

CC: Joyce Fankulewski – KI CSG

Kevin B. Coker  
SH&E Supervisor



55 P090  
Grenada

RECEIVED  
MAR 15 2007  
Dept of Environmental Quality  
Office of Pollution Control

March 13, 2007

Mr. Azzam Abu-Mirshid  
Mississippi Department of Environmental Quality  
Timber and Wood Products Branch  
Office of Pollution Control  
P.O. Box 10385  
Jackson, MS 39289-0385

Koppers Inc.  
Utility Poles and Piling  
P. O. Box 160  
Tie Plant, MS 38960  
Tel 662 226 4584 X38  
Fax 662 226 4588  
CokerKBR@koppers.com  
www.koppers.com

CERTIFIED MAIL: 7002 0460 0003 7596 2397

**Subject: Koppers Inc. – Grenada Plant  
Incident Report No. 828939**

Dear Mr. Abu-Mirshid:

At approximately 2:45 P.M. on Monday, March 12, 2007 a leak was discovered in a three inch discharge line used to transfer pre-treated effluent water from the plant's Waste Water Treatment System (WWTS) to the City of Grenada POTW. The required notifications were made to the National Response Center, Local Emergency Planning Committee, and Mississippi Department of Environmental Quality.

Upon discovery of the leak the discharge pump servicing the line was de-energized stopping the flow of water from the line to a nearby ditch containing storm water. From the time of discovery to the time the pump was de-energized approximately 15 gallons was estimated to have flowed from the line. Approximately 350 gallons of water was retrieved downstream from the break and processed through the plants WWTS. The line was repaired and tested using clean water and air to ensure no additional leaks were present. Additional corrective actions will include the replacement of the existing line with a double-walled discharge line. Bids on this project are being sought.

Should you have any questions please call.

Sincerely,

Kevin B. Coker  
SH&E Supervisor

Enclosures

cc: Ms. Joyce Fankulewski, Koppers Inc.  
Mr. George Frazier, LEPC Grenada



**Permit Action Form**  
**Koppers Industries Inc**  
**1 Koppers Drive**  
**Grenada County**  
**Tie Plant, MS 38960**

APR 10 2007

**Branch Manager: Bryan Collins**  
**SIC: 2491**

**Recommendations**

**Folder No. – Activity Type**

PER20060001 - RA-Water-PT

**Permit No.**

MSP090300

**DEQ Contact**

Tommy Wall

**Action:**

☐ Issue

☐ Modification

☐ Transfer

☐ Revoke

☒ Reissue

☐ Name Change

☐ Deny

**By:**

☒ Division Chief

☐ Permit Board

☐ Terminate

**Programs:**

**Master File**

Program	Sub Program	Start Date	End Date	Delete
Air	Title V - major	06/01/1900 ?		<input type="checkbox"/>
Hazardous Waste	Large Quantity Generator	08/27/1999		<input type="checkbox"/>
Hazardous Waste	TSD - Not Classified	06/28/1988		<input type="checkbox"/>
Water	Baseline Stormwater	01/01/1900 ?		<input type="checkbox"/>
Water	PT CIU	11/14/1995		<input type="checkbox"/>
Water	PT CIU - Timber Products Processing (Subpart 429)	11/14/1995		<input type="checkbox"/>
Water	PT SIU	11/14/1995		<input type="checkbox"/>

Marked subprograms should be deleted from the master file by the Master File Administrator

**Permit Application**

Program	Sub Program	Start Date	End Date
Water	PT CIU	11/14/1995	
Water	PT SIU	11/14/1995	

**Air Use Only:**

☐ Emissions data entered in enSite

☐ Emissions data prepared using Lotus 1-2-3 (Attached)

☒ Permitting action did not change emissions inventory.

**TMDL Use Only:**

'Y' indicates conformance with published TMDLs, 'N' indicates non-conformance.

Published TMDL	FLAG
N/A	N/A

*CAS*

**Basis:** Pretreatment Permit will be issued based upon Categorical Stds 40 CFR Part 429.85 and the previous limits.

## Coordination

**Comments:** There are non-related RCRA issues; Air fees up to date; and no compliance issues associated with DEQ.

## Administrative Tasks

Task	Scheduled Date	Completed Date
Application Received	3/7/06 10:27:42 AM	3/6/06 10:44:51 AM
Letter Acknowledging Receipt of Application Issued	3/8/06	3/7/06 10:44:57 AM
Early Public Notice of Application Complete	4/6/06	4/18/06 1:46:39 PM
NOD(s) to Applicant Issued	4/20/06	4/20/06 9:28:14 AM
Inspection Conducted	6/4/06	8/12/06 2:07:16 PM
Administrative Completeness Determined/ Administrative Completeness Letter Sent if Needed	4/20/06	8/21/06 2:07:47 PM
Revised Application Received	11/10/05	8/21/06 2:37:17 PM
Letter Acknowledging Receipt of Revised Application Issued	11/10/05	8/21/06 2:37:49 PM
Adequacy of Treatment Complete	8/26/06	8/26/06 9:28:04 AM
Adequacy of Treatment Received	8/31/06	8/31/06 9:28:49 AM
Draft Permit and Rationale Prepared	9/20/06	9/2/06 2:08:05 PM
Draft Permit Sent to Supervisor	9/4/06	9/12/06 2:08:21 PM
Draft Permit Sent to Facility	9/16/06	9/19/06 9:27:37 AM
Send Draft Permit to Mayor	11/10/05	9/19/06 9:31:14 AM
Name Change / Transfer Request Received	11/10/05	12/11/06 7:42:55 AM
Public Notice Issued	10/17/06	1/5/07 9:03:29 AM
Public Notice Completed	3/6/07	2/4/07 9:03:58 AM
Public Comments Processed	2/15/07	2/5/07 3:24:01 PM
Final Permit/Decision and Supporting Documents Prepared	2/15/07	2/5/07 3:24:32 PM
No comments from Grenada POTW		2/5/07 3:25:38 PM
Issue Permit		MAR 26 2007
Transmittal of Final Permit		
Permit Expiration Date		02/28/12

## Existing Permits

Permit Number	Description
Air-Title V Operating	096000012
Air-Title V Fee Customer	096000012
Hazardous Waste-TSD	HW8854301
GP-Wood Treating	MSR220005
Water-SOP	MSU081080
Air-AIRS AFS	2804300012

Permit Number

Description

Hazardous Waste-EPA ID

MSD007027543

**Requirement Profiles:**

Category	ID	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
AI	876	Permit Shell	Individual Permit	Water	Pretreatment				

# FACILITY DATA SCREEN #1 (FAC1)

PERMIT #:MSP090300 TRANSACTION CODE:R  
AI ID: 876  
FACILITY NAME:Koppers Inc.  
COGNIZANT OFFICIAL:Mr. Vance R. Haskin  
PHONE:(662) 226-4584, Ext. 11 CITY:Tie Plant,  
COUNTY CODE:043 SIC CODE:2491 TYPE OF APPLICATION:  
FACILITY INACTIVE CODE: FACILITY OWNERSHIP:PRI  
FACILITY INACTIVE DATE: - -  
SUB-REGION:NRO ENGINEER:JTW AVG. DESIGN FLOW:00000

## FACILITY DATA SCREEN #2 (FAC2)

RIVER BASIN:1011 Yazoo River Basin

0338 - Upper Tombigbee River 1006 - Mississippi River  
0340 - Lower Tombigbee River 1011 - Yazoo River  
0342 - Pascagoula River 1018 - Big Black  
0343 - Pearl River 1021 - South Independent  
0408 - Tennessee River 1099 - Coastal Streams

Receiving Waters:Grenada POTW MS0020397

FACILITY TYPE:I

TREATMENT TYPE:AS

AC=Activated Carbon	AS= Activated Sludge	AL=aerated Lagoon
AN=Anaerobic Lagoon	API=API Separator	AW=Artificial Wetlands
CC=Contact Cooling	CL=Conventional Lagoon	CT=Cooling Tower
DW=Deepwell	DF=Diffuser	EOP=End of Pipe
EV=Evaporation	HC=Hydrograph Controlled	ML=Multiple Lagoon
NC=Non-Contact Cooling	OS=Off Site Disposal	OF=Overland Flow
OD=Oxidation Ditch	PC=Physical Chemistry	PH=pH Adjustment
PS=Primary Sedimentation	RR=Recycle and Reuse	RO=Reverse Osmosis
RBC=Rotating Biological Contractor		SF=Sand Filter
SS=Secondary Sedimentation	SI=Spray Irrigation	SW=Statewide
TF=Trickling Filter		

TOXIC AND BIOASSAY CODE:

FOR PRETREATMENT PERMITS ONLY (RDF5 CODE):

BRANCH CODES:TIMBR		Energy and Transportation Branch		
AFS Aluminum Forming	EMS Explosives Mfg	MFS Metal Finishing	PTS Photographic	
AMS Asbestos Mfg	FLS Feedlots	MMS Metal Molding & Casting	PFS Plastics Molding & Forming	
BMS Battery Mfg	FAS Ferroalloy Mfg	MIS Mineral Mining & Processing	PES Porcelain Enameling	
CVS Canned & Preserved Fruits & Veg. Processing	FMS Fertilizer Mfg	NPS Nonferrous Metals Forming & Powders	PPS Pulp, Paper & Paperboard	
CSS Canned & Preserved Seafood Processing	GMS Glass Mfg	NMS Nonferrous Metals Mfg	RMS Rubber Mfg	
CBS Carbon Black Mfg	GRS Grain Mills	OES Oil & Gas Extraction	SDS Soap & Detergent Mfg	
CMS Cement Mfg	GWS Gum & Wood Chemicals Mfg	OMS Ore Mining & Dressing	SES Steam Electric Power Generating	
CWS Centralized Waste Treatment	HOS Hospital	OCS Organic Chemicals Mfg	SPS Sugar Processing	
COS Coal Mining	IFS Ink Formulating	PAS Paint Formulating	TES Transportation Equipment Cleaning	
CCS Coil Coating	ICS Inorganic Chemicals Mfg	PVS Paving & Roofing Materials (tars & asphalt)	TXS Textile Mills	
CFS Copper Forming	ISS Iron & Steel Mfg	PCS Pesticide Chemicals	TPS Timber Products Processing	
DPS Dairy Products Processing	LFS Landfills	PRS Petroleum Refining	WCS Waste Combustors	
ECS Electrical & Electronic Components	LTS Leather Tanning & Finishing	PHS Pharmaceutical Mfg	NC Non-categorical	
ELS Electroplating	MPS Meat Products	PMS Phosphate Mfg	NCS Non-categorical significant	

**FACILITY ADDRESS SCREEN (FACA)**

**PERMIT #:MSP090300**

---

**Primary DMR Mailing Address**

**FACILITY NAME: Koppers Inc**  
**ADDRESS LINE 1: PO Box 160**  
**ADDRESS LINE 2:**  
**CITY: Tie Plant,**  
**STATE: Mississippi**  
**ZIP: 38960**

---

**Alternate DMR Mailing Address**

**FACILITY NAME: Koppers Industries Inc**  
**ADDRESS LINE 1: PO Box 160**  
**ADDRESS LINE 2:**  
**CITY: Tie Plant,**  
**STATE: Mississippi**  
**ZIP: 38960**

---

**Facility Location Address**

**COUNTY NAME: Grenada**  
**ADDRESS LINE 1: 1 Koppers Drive**  
**ADDRESS LINE 2: >**  
**CITY: Tie Plant,**  
**STATE: MS**  
**ZIP: 38960**  
**TELEPHONE: (662) 226-4584, Ext. 11**



**PERMIT TRACKING SCREEN (PTRK)**

**PERMIT #:MSP090300**

**FACILITY NAME:Koppers Industries Inc**

**PERMIT ISSUANCE:**

**PERMIT TRACKING EVENT CODE: P4099**

**ACTUAL DATE: - -**

**PERMIT EXPIRATION:**

**PERMIT TRACKING EVENT CODE: P5099**

**ACTUAL DATE:02-28-12**

PERMIT #:MSP090300

Energy and Transportation Branch

OUTFALL GENERAL DATA SCREEN #1 (OFLG)

TRANSACTION CODE:N (N=New, C=Change)

DISCHARGE NUMBER:MSP090300-001

REPORT DESIGNATOR: A

INITIAL REPORT DATE:04-01-07  
(date monitoring is to begin)

REPORT UNITS:M

NUMBER OF UNITS IN  
REPORT PERIOD:001

TOTAL NUMBER OF MONTHS DUE  
(Months due in 5 Years):60

INITIAL SUBMISSION DATE:05-28-07

STATE SUBMISSION UNIT: M

NUMBER OF UNITS IN STATE SUBMISSION PERIOD:001 (see instruction sheet)

PIPE DESCRIPTION:treated effluent

INITIAL LIMIT DATES:

START: - -

END: - -

INTERIM LIMIT DATES:

START: - -

END: - -

FINAL LIMIT DATES:

START: 3-24-07

END:02-28-12

PIPE INACTIVE CODE:

PIPE INACTIVE DATE: - -

AGENCY REVIEWER:TIMBR

USE THESE LINES IF YOU WANT COMMENTS OR INSTRUCTIONS TO APPEAR ON THE  
BOTTOM OF THE DMR WHEN IT IS PREPRINTED FOR THE FACILITY. EACH FIELD  
REPRESENTS ONE LINE ON THE DMR.

Monthly  
Monitoring  
and Reporting  
BOD, flow  
oil and grease  
Dinitrochlorophenol  
pH  
total  
phenols  
TSS

PERMIT #:MSP090300

Energy and Transportation Branch

OUTFALL GENERAL DATA SCREEN #1 (OFLG)

TRANSACTION CODE:N (N=New, C=Change)

DISCHARGE NUMBER:MSP090300-001

REPORT DESIGNATOR: A

INITIAL REPORT DATE:04-01-07  
(date monitoring is to begin)

REPORT UNITS:M

NUMBER OF UNITS IN  
REPORT PERIOD:006

TOTAL NUMBER OF MONTHS DUE  
(Months due in 5 Years):5

INITIAL SUBMISSION DATE:01-28-08

STATE SUBMISSION UNIT: M

NUMBER OF UNITS IN STATE SUBMISSION PERIOD:012 (see instruction sheet)

PIPE DESCRIPTION:treated effluent

INITIAL LIMIT DATES: START: - - END: - -

INTERIM LIMIT DATES: START: - - END: - -

FINAL LIMIT DATES: START: 3-26-07 END:02-28-12

PIPE INACTIVE CODE: PIPE INACTIVE DATE: - -

AGENCY REVIEWER:TIMBR

*Semi-annual Monitor  
Annual Reports  
for  
Copper  
Chromium  
Arsenic*

USE THESE LINES IF YOU WANT COMMENTS OR INSTRUCTIONS TO APPEAR ON THE  
BOTTOM OF THE DMR WHEN IT IS PREPRINTED FOR THE FACILITY. EACH FIELD  
REPRESENTS ONE LINE ON THE DMR.

# OUTFALL GEOGRAPHIC DATA

PERMIT #:MSP090300

TRANS CODE: C

DISCHARGE NUMBER	REPORT DESIGNATOR	LATITUDE (PLAT)	LONGITUDE (PLON)	LAT/LONG METHOD (PLLM)	LAT/LONG DATUM (PLLT)	LAT/LONG SCALE (PLLS)	LAT/LONG DESCRIPTION (PLLD)	USGS HYDROLOGIC BASIN CODE (PHBC)
%%.subj item pcs%%	A	%%%NEXT% %	%%%NEXT%%	A	2	3	010099	%%%NEXT%%

**PERMIT FACILITY GEOGRAPHIC DATA SCREEN (FAGD)**

**PERMIT #:MSP090300**

**TRANSACTION CODE: C**

**LATITUDE (FLAT):+<NO DATA FOUND>**

**LONGITUDE (FLON): 0<NO DATA FOUND>**

**LAT/LONG METHOD (FLLM):8**

**LAT/LONG DATUM (FLLT):2**

**LAT/LONG SCALE (FLLS):N**

**LAT LONG DESCRIPTION (FLLD):02099**

**USGS HYDROLOGIC BASIN CODE:08030205**



Mississippi Department of Environmental Quality  
Office of Pollution Control  
Environmental Permits Division

## Project Awareness Checklist

*The primary purpose of this checklist is to allow early identification of "big picture" items that could affect EPD's permitting decisions. The checklist will be filled out by the permit manager, with input from the permit applicant as needed. Many of the questions will be answered after the pre-application meeting. The applicable portions of the checklist should be filled out prior to developing the draft permit. The checklist should be attached to the permit action form (PAF).*

*This checklist does not establish or affect legal rights or obligations. This checklist does not establish or affect procedural requirements for the development or issuance of permits. MDEQ is under no obligation to complete any or all of this checklist.*

*References to web sites or other sources external to MDEQ are intended for informational purposes only and do not imply any official MDEQ endorsement of, or responsibility for, the opinions, ideas, reliability, data or products presented at those locations, or guarantee the validity of the information provided.*

### Name of facility

Koppers Industries Inc

### AI #

876

### Permit type

- |  |  |
|--|--|
| <input type="checkbox"/> Issuance                                  | <input type="checkbox"/> Modification                            |
| <input type="checkbox"/> Reissuance without Modification           | <input checked="" type="checkbox"/> Reissuance with Modification |
| <input type="checkbox"/> Routine <input type="checkbox"/> Priority |  |

### Critical path

- |                              |   |  |                                      |
|------------------------------|---|--|--------------------------------------|
| <input type="checkbox"/> Air | <input checked="" type="checkbox"/> Water | <input type="checkbox"/> Hazardous Waste | <input type="checkbox"/> Solid Waste |
|------------------------------|---|--|--------------------------------------|

### Notes/Comments

**A. Air**Section Not Applicable ☒

Yes  
No  
Not Applicable

- ☐ ☐ ☐ A1. Is the facility located in an area that may become a non-attainment area when the new NAAQS are implemented? PM2.5
- ☐ ☐ ☐ A2. Is this facility a significant minor source as defined by APC-S-2, Section I.B.21?
- ☐ ☐ ☐ A3. Will this facility generate dust, fumes, gases, mist, odorous matter, vapors, or any combination thereof, such as to cause a nuisance to property from which it originated? (APC-S-1, Section 3.3)
- ☐ ☐ ☐ A4. Is this project subject to any of the following regulations?
- New Source Performance Standards (NSPS) (40 CFR Part 60)
  - National Emission Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Parts 61 and 63)
  - Compliance Assurance Monitoring (CAM) (40 CFR Part 64)
  - Prevention of Significant Deterioration (PSD) (40 CFR Part 52)
  - Acid Rain Program (40 CFR Part 72)
  - Chemical Accident Prevention Provisions (40 CFR Part 68)
- ☐ ☐ ☐ A5. Does this facility fall into one of the 28 listed source categories? (40 CFR 52)
- ☐ ☐ ☐ A6. Is this facility located within 200 km of any Class I area? (40 CFR 52)
- Will there be construction or air emissions near a national/state forest or national/state park or other recreational area? ☐ Yes / ☐ No / ☐ NA
- ☐ ☐ ☐ A7. Will any air discharges have an impact on water quality?

**Comment:** Page 1  
"Significant Minor Source." A stationary source that is (a) not a synthetic minor source or major Title V source, and (b) is one of the following categories of sources: (a) hot-mix asphalt plants, (b) cotton gins, (c) medical waste incinerators, (d) rendering plants, or (e) Any other new stationary source deemed by the Permit Board to be a significant minor source due to (i) the source's potential to require significant air pollution control operations in order to avoid a violation of the Mississippi Air and Water Pollution Control Law or any regulation promulgated thereunder, (ii) the source's potential to cause a substantial threat to public health, welfare, or the environment, or (iii) the source's potential to cause or substantially contribute to a violation of any applicable ambient air quality standard.

**B. Hazardous Waste**Section Not Applicable ☐

- ☒ ☐ ☐ B1. Is this a hazardous waste TSD project?
- Typically these projects have opposition.
  - Is there off-site contamination? ☐ Yes / ☒ No / ☐ NA
  - Are "bad boy" and financial capability reviews necessary?  
☐ Yes / ☒ No / ☐ NA
- ☐ ☒ ☐ B2. Is the site a brownfield site?
- Check with Groundwater Assessment and Remediation Division – Brownfields Branch.

- Check with Groundwater Assessment and Remediation Division – Uncontrolled Sites Branch.

- ☐ ☐ ☒ B3. Are there universal waste considerations? (Examples: used oil, car batteries, fluorescent tubes.)

### C. Solid Waste

Section Not Applicable ☒

- ☐ ☐ ☐ C1. Is this a new or existing solid waste management facility?
- These projects may have opposition.
  - Does the existing facility (or other facilities owned or operated by the applicant) have a history of non-compliance? ☐ Yes / ☐ No / ☐ NA
  - Has a disclosure statement been filed? ☐ Yes / ☐ No / ☐ NA
  - Is the application a result of enforcement action by ECED?  
☐ Yes / ☐ No / ☐ NA
- ☐ ☐ ☐ C2. Will solid waste be sent to a third-party landfill?
- Contact the landfill owner to verify that the landfill can and will accept the waste.
  - Does the County Solid Waste Management Plan need to be modified?  
☐ Yes / ☐ No / ☐ NA

### D. Water

Section Not Applicable ☐

- ☒ ☐ ☐ D1. Will the facility discharge wastewater to a third-party wastewater treatment plant (WWTP)?
- Is the WWTP willing and able to accept the discharge?  
☒ Yes / ☐ No / ☐ NA
  - Is a pretreatment permit needed? ☒ Yes / ☐ No / ☐ NA
- ☐ ☐ ☒ D2. Review Permit Board Policy on Suitable Points to Discharge Treated Wastewaters, January 2002 for acceptable locations of new discharges. (The document is located in the Knowledge Center.)
- Specific locations where wastewater discharges are prohibited or are strongly discouraged include:
    - Ross Barnett Reservoir and surrounding drainage basin
    - Old Run Tombigbee River north of Fulton
    - Pickwick Lake
    - Mississippi Sound (including the coastal waters)
    - Okatoma Creek
    - Wolf Creek
    - Red Creek
    - Black Creek (located south of Hattiesburg)
  - Typically, lakes, reservoirs, bayous, ponds or other confined, low flushing waterbodies, and drainage ways leading to them, are not suitable points of discharge.

- Has the permit manager or the Regional Office done an inspection to determine whether the discharge location is suitable to receive discharged wastewater? ☐ Yes / ☐ No / ☐ NA
  - Contact Surface Water Division if unsuitable locations are proposed.
- ☐ ☐ ☒ D3. Is the water body on the 303(d) list for parameters of concern?
- Check with the Water Quality Assessment Branch for 303(d) listing.
  - Consider alternative receiving streams/locations or no-discharge systems.
  - Refer to NPDES Permit Issuance Process for Facilities Discharging to 303(d) Listed Waters, January 1999
- ☐ ☐ ☒ D4. Has a TMDL been developed for the receiving stream?
- See [http://www.deq.state.ms.us/newweb/swhome.nsf/pages/WDivision/\\$file/tmd3.html](http://www.deq.state.ms.us/newweb/swhome.nsf/pages/WDivision/$file/tmd3.html), or check with the Water Quality Assessment Branch.
  - Does the TMDL propose limitations on the discharge?  
☐ Yes / ☐ No / ☐ NA
- ☐ ☐ ☒ D5. Will the project impact wetlands or other waters of the United States?
- Check with WQMB for requirements for 404 permit or 401 Water Quality Certification
  - Are there any issues with the Surface Water Division?  
☐ Yes / ☐ No / ☐ NA
- ☐ ☐ ☒ D6. Is an antidegradation package required?
- For POTWs, required for new major discharges ( $\geq 1$  mgd) or for increases in discharges from majors. (This may change when WQMB issues guidance in the future.)
  - For industrial, follow the "Antidegradation Policy Review Checklist." (The document is located in the Knowledge Center.)
  - The package must be sent to EPA along with the draft permit.
- ☐ ☐ ☒ D7. Is the stream classified for shellfish harvesting, drinking water supply, or recreation?
- See State of Mississippi Water Quality Criteria for Intrastate, Interstate and Coastal Waters, November 16, 1995 for a list, or check with WQAB/Standards. (The document is located in the Knowledge Center.)
  - Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems.
  - Have water supply intake distances been evaluated?  
☐ Yes / ☐ No / ☐ NA
- ☐ ☐ ☒ D8. Is the stream actually used for recreation, even if the classification is fish and wildlife?

- Check with WQAB/Standards, Regional Offices, Mississippi Department of Wildlife, Fisheries, and Parks, and Mississippi Forestry Commission.
  - Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems.
  - Have distances of actual water contact activity been evaluated?  
☐Yes / ☐No / ☐NA
- ☐ ☐ ☒ D9. Is the receiving stream classified as an ephemeral stream?
- Check with WQAB/Standards
  - Alternate discharge points or no-discharge systems must be investigated before this stream is considered.
- ☐ ☐ ☒ D10. Will the project violate water buffer zone requirements?
- How is the surrounding area zoned?
  - Will there be a discharge near a state forest or park or other recreational area? ☐Yes / ☐No / ☐NA
- ☐ ☐ ☒ D11. Has the stream been proposed for inclusion in the State Scenic Streams Stewardship Program (Section 51-4 et seq., Mississippi Code)?
- As of March 12, 2003, the streams include
    - Chunky Creek in Newton County from the confluence of Chunky Creek and Tallasher Creek.
    - Chunky River in Newton, Lauderdale and Clarke Counties to the junction with the Chickasawhay River in Clarke County.
    - Magee's Creek in Walthall County from the confluence of Varnell Creek to the Bogue Chitto River.
    - Tangipahoa River in Pike County beginning at U.S. Highway 51 and extending to the Mississippi-Louisiana state line.
    - Wolf River in Pearl River, Hancock, Stone and Harrison Counties from Highway 26 in Pearl River County to the Bay of St. Louis in Harrison County.
  - Discharge is discouraged. Consider alternative receiving streams/locations or no-discharge systems.
- ☒ ☐ ☐ D12. Will the facility obtain water from an existing Public Water System (PWS)?
- Does the PWS have adequate capacity? ☒Yes / ☐No / ☐NA  
 Contact MSDH/Division of Water Supply if needed.
  - Check with OLWR if the water use will be  $\geq 300,000$  gpd or if the PWS will need a permit modification.
- ☐ ☒ ☐ D13. Will the facility use surface water or build a dam?
- Check with OLWR for permit requirements.
  - Check with WQMB for requirements regarding intake structures or wetlands issues.



- ☐ ☒ ☐ D14. Will the facility use groundwater?  
☒ Check with OLWR for permit requirements.

### E. SARA Title III (EPCRA) Reporting

Section Not Applicable ☐

- ☒ ☐ ☐ E1. Will the facility meet the reporting criteria of EPCRA Section 313 by man-hour requirement, SIC code or reportable quantity over a certain threshold?
- ☐ ☐ ☐ E2. In response to the requirements of EPCRA Section 304 has the facility determined if there are "Extremely Hazardous Substances (EHS)" or CERCLA Substances onsite in excess of their respective reportable quantities?
- ☐ ☐ ☐ E3. Does the facility store onsite an EHS in excess of its respective "Threshold Planning Quantity?" If so then the reporting requirements of EPCRA Section 311 and 312 must be followed.

### F. Other

Section Not Applicable ☐

- ☐ ☐ ☐ F1. List all existing permits and their expiration dates:

Permit Number	Description	Expiration
Air-Title V Operating	096000012	1/1/09
Air-Title V Fee Customer	096000012	
Hazardous Waste- TSD	HW8854301	9/30/09
GP-Wood Treating	MSR220005	
Air-AIRS AFS	2804300012	
Hazardous Waste- EPA ID	MSD00702754 3	

- ☒ Are permit applications in-house for all permits that have expired or will expire in  $\leq 180$  days? ☒ Yes / ☐ No / ☐ NA  
If no, will the current permitting action proceed?  
☐ Yes / ☐ No / ☒ NA

Permit Activity	Last Permit Expired Task	Last App Received Task
Water-PT	8/31/06	3/6/06 10:44:51 AM

- ☒ ☐ ☐ F2. Are all fees (e.g., Title V), fines, and/or compliance with CEQ orders current?
- Check enSite for actions on or after October 1, 2001. Check with ECED for earlier actions.
  - Check with Mona Varner for fees.
- ☒ ☐ ☐ F3. Check complaints database and compliance history.
- Check enSite for actions on or after October 1, 2001. Check with ECED for earlier actions.
  - What is the nature of the historical compliance problems (if applicable)?
  - Are there any pending agreed orders? ☐Yes / ☐No / ☐NA
- ☐ ☒ ☐ F4. Are there EJ considerations?
- Review demographic maps and per capita income information.
  - Does the area around the site appear to be a low-income or minority area?  
☐Yes / ☐No / ☐NA
  - Is there a significant amount of industrial activity? ☐Yes / ☐No / ☐NA
  - Are there indications that there is a significant population of non-English-speaking people near the site? ☐Yes / ☐No / ☐NA
  - Are we aware of any variances or violations in local zoning?  
☐Yes / ☐No / ☐NA
  - Are there quality of life issues? ☐Yes / ☐No / ☐NA
  - Contact the EJ coordinator if there appear to be EJ concerns.
  - Determine what kind of additional public information activities need to be done.
- ☐ ☒ ☐ F5. Has it been determined that there is public interest in this project?
- Is there organized public opposition? ☐Yes / ☒No / ☐NA
  - Who is the opposition?
  - Has there been media coverage or the possibility of media coverage?  
☐Yes / ☒No / ☐NA
  - Are there regulation changes on the horizon that would result in more stringent requirements for the project? ☐Yes / ☒No / ☐NA
  - Are there actual, potential, or alleged human health or environmental impacts? ☐Yes / ☒No / ☐NA  
If yes, explain.
- ☐ ☒ ☐ F6. Are there cumulative impact issues?
- Is there a concentration of emissions in the area?  
☐Yes / ☒No / ☐NA

- Research by reviewing files, etc. for effects of past projects, the effects of current projects, and the effects of probable future projects. It includes the effects of other projects which interact with this project and, together, are considerable.
  - Is GIS information available? ☐ Yes / ☒ No / ☐ NA  
Has it been used? ☐ Yes / ☒ No / ☐ NA
- ☐ ☒ ☐ F7. Is the Mississippi Development Authority (MDA) interested?
- Is the proposed project in an economically underdeveloped area of the state? ☐ Yes / ☐ No / ☒ NA
  - Is the project receiving CDBG (Community Development Block Grant) funding? ☐ Yes / ☐ No / ☒ NA  
CDBG funding is given for projects in low-to-moderate income areas and thus indicates the possibility of EJ considerations.
- ☐ ☒ ☐ F8. Will this project have the potential to impact threatened and endangered species? Pesticide limitations for endangered species link. NPDES link. <http://endangered.fws.gov/>
- Contact WQAB for a list of species.
- ☐ ☒ ☐ F9. Will this project have the potential to impact archeological and cultural resources?
- Has the Mississippi Department of Archives and History been contacted? ☐ Yes / ☐ No / ☐ NA
- ☐ ☒ ☐ F10. Is this facility located in a politically sensitive area?
- ☒ ☐ ☐ F11. Will this facility have a significant economic impact on the area?
- ☐ ☒ ☐ F12. Does this project involve other state or federal agencies, and if so, in what way?
- ☐ ☒ ☐ F13. Is the project (or company or location, etc.) listed in the Heightened Awareness Projects database (located in Lotus Notes)?  
☐ Yes / ☐ No / ☐ NA  
If yes, get in touch with the listed contact person.
- ☐ ☒ ☐ F14. Review "Enclosure B: EPA/State Review and Oversight Tools for NPDES Permits" to determine if any additional information needs to be gathered. (The document is located in the Knowledge Center.)
- ☐ ☒ ☐ F15. Is there ***anything else*** that might slow down the permitting decision or change any permit conditions? (Industrial Sector Notebooks) If yes, describe.



## State of Mississippi

### WATER POLLUTION CONTROL PERMIT



Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

#### THIS CERTIFIES

Koppers Inc  
1 Koppers Drive  
Tie Plant, MS  
Grenada County

**FILE COPY**

has been granted permission to discharge wastewater in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act. The issuance of this permit does not relieve the permittee from complying with any requirements which Publicly Owned Treatment Works Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works.

#### Mississippi Environmental Quality Permit Board

#### Mississippi Department of Environmental Quality

Issued/Modified: MAR 26 2007

Expires: FEB 28 2012

Permit No. MSP090300

Agency Interest # 876

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Subject Item Inventory.....i

Facility Requirements.....1

General Information.....A-1

Other Relevant Documents:

    Cover Letter and Form 2P



Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Inc  
Subject Item Inventory  
Permit Number:MSP090300  
Activity ID No.: PER20060001

Subject Item Inventory:

ID	Designation	Description
AI876	AI-876	Creosote and pentachlorophenol wood treater.
RPNT1	MSP090300-001	Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, and purge water from on-site groundwater monitoring) and wastewater generated from the backflushing of the GE Osmonics brand water softner.

Receiving Stream Relationships:

Subject Item	Relationship	Receiving Stream
RPNT1 Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, and purge water from on-site groundwater monitoring) and wastewater generated from the backflushing of the GE Osmonics brand water softner.	Discharges Into	Grenada POTW MS0020397

KEY

- ACT = Activity

AREA = Area

CONT = Control Device

 = Insignificant Activity

RPNT = Release Point
- AI = Agency Interest

CAFO = Concentrated Animal Feeding Operation

EQPT = Equipment

MAFO = Animal Feeding Operation

TRMT = Treatment

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blo  
 RPNT0000000001: MSP090300-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Conc. / Quality Minimum	Conc. / Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	Sample Type	Which Months
BOD, 5-Day Percent Removal Effluent	70 Monthly Average	140 Daily Maximum	pounds per day	*****	240 Monthly Average	480 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec
Flow Effluent	Report Monthly Average	0.035 Daily Maximum	Million Gallons per Day	*****	*****	*****	*****	Daily	Continuous Recorder	Jan-Dec
Oil and grease Effluent	Report Monthly Average	29.2 Daily Maximum	pounds per day	*****	Report Monthly Average	100 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Pentachlorophenol Effluent	0.053 Monthly Average	0.105 Daily Maximum	pounds per day	*****	0.18 Monthly Average	0.36 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
pH Effluent	*****	*****	*****	5.5 Minimum	*****	9.5 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
Phenols (Total) Effluent	0.88 Monthly Average	1.75 Daily Maximum	pounds per day	*****	3 Monthly Average	6 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Solids (Total Suspended) Effluent	88 Monthly Average	175 Daily Maximum	pounds per day	*****	300 Monthly Average	600 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec
Arsenic (Total Recoverable) Effluent	Report Annual Average	0.13 Annual Maximum	pounds per day	*****	Report Annual Average	0.45 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001(treated wastewater consisting of water removed from the conditioning of wood, boiler blo  
 RPNT0000000001: MSP090300-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Conc. / Quality Minimum	Conc. / Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	Sample Type	Which Months
Chromium (Total Recoverable) Effluent	Report Annual Average	1.17 Annual Maximum	pounds per day	*****	Report Annual Average	4 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec
Copper (Total Recoverable) Effluent	Report Annual Average	0.642 Annual Maximum	pounds per day	*****	Report Annual Average	2.2 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Inc  
Facility Requirements  
Permit Number:MSP090300  
Activity ID No.: PER20060001

AI876 (AI-876) Creosote and pentachlorophenol wood treater.:

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## Limitation Requirements:

Condition No.	Parameter	Condition
L-1		<p>Samples taken in compliance with the monitoring requirements specified in this permit shall be taken at the nearest accessible point after final treatment but prior to actual discharge into the POTW collection system or mixing with non-regulated waste streams. [WPC-1 Chapter One Section IV.A(28)]</p> <p>General Pretreatment Prohibitions</p> <p>In addition to those pollutants limited in the "Effluent Limitations and Monitoring Requirements" section of this permit, the following pollutants shall not be discharged into the POTW:</p> <p>(1) Pollutants which create a fire or explosion hazard in the POTW, including but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21;</p> <p>(2) Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the treatment works is specifically designed to accommodate such discharges;</p> <p>(3) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;</p> <p>(4) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW;</p> <p>(5) Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW treatment plant exceeds 40 degrees Centigrade (104 degrees Fahrenheit) unless the approval Authority, upon request of the POTW, approves alternate temperature limits;</p> <p>(6) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;</p> <p>(7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;</p> <p>(8) Any trucked or hauled pollutants, except at discharge points designated by the POTW. [40 CFR 403.5(b)]</p>
L-2		

**Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards**

Koppers Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

**AI876 (continued):**

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**Record-Keeping Requirements:**

Condition No.	Condition
R-1	Recording of Results
For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain records of all information obtained from such monitoring including:	
(1) The exact place, date, and time of sampling;	
(2) The dates the analyses were performed;	
(3) The person(s) who performed the analyses;	
(4) The analytical techniques, procedures or methods used; and	
(5) The results of all required analyses. [WPC-1 Chapter One Section IV.A(29)a]	

**Submittal/Action Requirements:**

Condition No.	Condition
5-1	Oral Notification Requirements
The permittee shall notify the Mississippi Environmental Quality Permit Board and the POTW orally immediately upon becoming aware of the following:	
(1) A spill which would result in a discharge to the POTW or to State waters;	
(2) Any unanticipated bypass which exceeds any effluent limitation in the permit.	
(3) Any upset which exceeds any effluent limitation in the permit.	
(4) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours. [WPC-1 Chapter One Section IV.M]	



# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

AI876 (continued):

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## Submittal/Action Requirements:

Condition No.	Condition
S-2	<p>Reporting</p> <p>Monitoring results obtained during the previous reporting period shall be summarized and reported on a Discharge Monitoring Report Form (EPA No. 3320-1) POSTMARKED NO LATER THAN THE 28TH DAY OF THE MONTH FOLLOWING THE COMPLETED REPORTING PERIOD. Copies of these, and all other reports required herein, shall be signed in accordance with Chapter One Sections II.C. and II.E. of the Mississippi Wastewater Permit Regulations, and shall be submitted to the Mississippi Environmental Quality Permit Board at the following address:</p> <p>Mississippi Department of Environmental Quality Office of Pollution Control P.O. Box 10385 Jackson, Mississippi 39289-0385. [WPC-1 Chapter One Section IV.A(15)c(1)]</p> <p>Noncompliance Notification - Twenty-Four Hour Reporting</p> <p>(1) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and/or prevent recurrence of the noncompliance.</p> <p>(2) The following shall be included as information which must be reported within 24 hours under this paragraph.</p> <p>(i) Any unanticipated bypass which exceeds any effluent limitation in the permit.</p> <p>(ii) Any upset which exceeds any effluent limitation in the permit.</p> <p>(iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours.</p> <p>(iv) The Executive Director may waive the written report on a case-by-case basis for reports under paragraph (1) of this section if the oral report has been received within 24 hours. [WPC-1 Chapter One Section IV.A(29)e]</p>
S-3	

**Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards**

Koppers Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

**AI876 (continued):**

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**Submittal/Action Requirements:**

Condition	
Condition No.	Condition
S-4	<p><b>Noncompliance Notification - Other Noncompliance</b></p> <p>The permittee shall report all instances of noncompliance not reported under the oral notification requirements or reporting requirements of this permit, at the time monitoring reports are submitted or within 30 days from the end of the month in which the noncompliance occurs. The reports shall contain the same information as is required under the reporting requirements contained in this permit. [WPC-1 Chapter One Section IV.A(29)g]</p>
S-5	<p><b>Noncompliance Notification - Other Information</b></p> <p>Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Permit Board, it shall promptly submit such facts or information. [WPC-1 Chapter One Section IV.A(29)g]</p>
S-6	<p><b>Expiration of Permit</b></p> <p>At least 180 days prior to the expiration date of this permit pursuant to the State law and regulation, the permittee who wishes to continue to operate under this permit shall submit an application to the Permit Board for reissuance. The Permit Board may grant permission to submit an application later than this, but no later than the expiration date of the permit. [WPC-1 Chapter One Section V.B(1)]</p>
<b>Permit Requirements:</b>	
<b>Definitions:</b>	
Condition No.	Condition
T-1	<p><b>Definitions: General</b></p> <p>The permittee shall refer to WPC-1, Chapter 1, Section I.A for definitions of any permit term not specified in this permit. [WPC-1 Chapter One Section I.A]</p>

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### Definitions:

Condition	Condition
T-2	Definitions: Monthly Average  "Monthly Average" means the average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during the month. The monthly average for fecal coliform bacteria is the geometric mean of "daily discharges" measured during the calendar month. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [WPC-1 Chapter One Section I.A(40)]
T-3	Definitions: Daily Discharge  "Daily discharge" means the "discharge of a pollutant" measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily average" is calculated as the average measurement of the discharge of the pollutant over the day. [WPC-1 Chapter One Section I.A(14)]
T-4	Definitions: Daily Maximum  "Daily maximum" means the highest "daily discharge" over a calendar month. [WPC-1 Chapter One Section I.A(15)]
T-5	Definitions: Toxic Pollutants  "Toxic pollutants" means any pollutant listed as toxic under Section 307(a)(1) or, in the case of "sludge use or disposal practices", any pollutant identified in regulations implementing Section 405(d) of the Clean Water Act. [WPC-1 Chapter One Section I.A]
T-6	Definitions: Hazardous Substances  "Hazardous substances" are defined in 40 CFR 116.4. [WPC-1 Chapter One 116.4]

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### Definitions:

Condition No.	Condition
T-7	<p>Definitions: Quarterly Average</p> <p>"Quarterly Average" means the average of "daily discharges" over a three month period, calculated as the sum of all "daily discharges" measured during the quarter divided by the number of "daily discharges" measured during the quarter. The quarterly average for fecal coliform bacteria is the geometric mean of "daily discharges" measured during the quarter. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [WPC-1 Chapter One Section I.A(26)]</p>
T-8	<p>Definitions: Quarterly Maximum</p> <p>"Quarterly Maximum" means the highest "daily discharge" measured over a three-month period. [WPC-1 Chapter One Section I.A(57)]</p>
T-9	<p>Definitions: Yearly Average</p> <p>"Yearly Average" means the average of "daily discharges" over a calendar year, calculated as the sum of all "daily discharges" measured during the calendar year divided by the number of "daily discharges" measured during the calendar year. The yearly average for fecal coliform bacteria is the geometric mean of "daily discharges" during the calendar year. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [WPC-1 Chapter One Section I.A(77)]</p>
T-10	<p>Definitions: Yearly Maximum</p> <p>"Yearly Maximum" means the highest "daily discharge" measured over a calendar year. [WPC-1 Chapter One Section I.A(78)]</p>
Condition No.	Condition
T-11	<p>The issuance of this permit does not relieve the permittee from complying with any requirements which the Publicly Owned Treatment Works (POTW) Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works. [WPC-1 Chapter One Section IV.M]</p>
T-12	<p>The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule: Upon Permit Issuance. [WPC-1 Chapter One Section IV.A(9)]</p>

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Condition

Condition

T-13

Within 14 days after either an interim or final date of compliance specified by this permit, the permittee shall provide the Permit Board with written notice of his compliance or noncompliance with the requirements or conditions specified to be completed by that date. [WPC-1 Chapter One Section IV.A(10)]

T-14

No Discharge of Wastewater to Surface Water

The discharge of any wastewater from this facility to the waters of the State of Mississippi shall constitute a violation of this permit, except as provided in the Bypassing and Upset conditions of this permit, or as authorized under separate permit pursuant to Section 402 of the Federal Water Pollution Control Act. [WPC-1 Chapter One Section I.B]

T-15

Facilities Operation

The permittee shall at all times properly operate, maintain, and when necessary, promptly replace all facilities and systems of collection, treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes adequate laboratory controls and appropriate quality assurance procedures. Proper replacement includes maintaining an adequate inventory of replacement equipment and parts for prompt replacement when necessary to maintain continuous collection and treatment of wastewater. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. The Permit Board may require regular reporting of internal operational and maintenance parameters where necessary to confirm proper operation of a waste treatment system. [WPC-1 Chapter One Section IV.A(18)]

T-16

Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored wastewater. [WPC-1 Chapter One Section IV.A(28)e]

T-17

Reporting

If the results for a given sample analysis are such that any parameter (other than fecal coliform) is not detected at or above the minimum level for the test method used, a value of zero will be used for that sample in calculating an arithmetic mean value for the parameter. If the resulting calculated arithmetic mean value for that reporting period is zero, the permittee shall report "NODI = B" on the DMR. For fecal coliform, a value of 1.0 shall be used in calculating the geometric mean. If the resulting fecal coliform mean value is 1.0, the permittee shall report "NODI = B" on the DMR. For each quantitative sample value that is not detectable, the test method used and the minimum level for that method for that parameter shall be attached to and submitted with the DMR. The permittee shall then be considered in compliance with the appropriate effluent limitation and/or reporting requirement. [WPC-1 Chapter One Section II.G]



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Condition	Condition
T-18	Reporting  If the permittee monitors any pollutant as prescribed in the permit more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Permit Board. [WPC-1 Chapter One Section IV.A(15)c(2)]
T-19	Reporting  Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit. [WPC-1 Chapter One Section IV.A(15)c(3)]
T-20	Test Procedures  Test procedures for the analysis of pollutants shall include those set forth in 40 CFR 136 or alternative procedures approved and/or promulgated by EPA. [WPC-1 Chapter One Section IV.A(30)]
T-21	Records Retention  All records and results of monitoring activities required by this permit, including calibration and maintenance records, shall be retained by the permittee for a minimum of three (3) years, unless otherwise required or extended by the Permit Board, copies of which shall be furnished to the Department upon request. [WPC-1 Chapter One Section IV.A(29)a]
T-22	Falsifying Reports  Any permittee who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required by the Permit Board to be maintained as a condition in a permit, or who alters or falsifies the results obtained by such devices or methods and/or any written report required by or in response to a permit condition, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Code. [WPC-1 Chapter One Section IV.A(29)d]

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Condition No.	Condition
T-23	<p>Compliance with Permit Conditions</p> <p>All discharges authorized by the permit shall be consistent with the terms and conditions of the permit and the permittee shall make all reasonable efforts to meet any interim or final dates for compliance specified therein. [WPC-1 Chapter One Section IV.A(13)]</p>
T-24	<p>Facility Expansion and/or Modification</p> <p>Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the permittee which may result in a new or increased discharge of waste, shall be reported to the Permit Board by submission of a new application for a permit pursuant to Chapter One, Section II.A. of the Mississippi Wastewater Regulations, or if the discharge does not violate effluent limitations specified in the permit, by submitting to the Permit Board a notice of a new or increased discharge. [WPC-1 Chapter One Section IV.A(14)]</p>
T-25	<p>Routine Reporting</p> <p>Such test results, reports, or other data as the Mississippi Environmental Quality Permit Board may determine to be necessary shall be submitted as specified elsewhere in the permit to the following address:</p> <p>Mississippi Department of Environmental Quality Office of Pollution Control P.O. Box 10385 Jackson, Mississippi 39289-0385. [WPC-1 Chapter One Section IV.A(16)]</p>
T-26	<p>Duty to Mitigate</p> <p>The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit that has a reasonable likelihood of adversely affecting human health or the environment. [WPC-1 Chapter One Section IV.A(19)]</p>
T-27	<p>Bypassing</p> <p>The permittee shall comply with the terms and conditions regarding bypass found in 40 CFR 403.17. [WPC-1 Chapter One Section IV.M]</p>

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T-28	<p><b>Bypassing - Definitions</b></p> <p>"Bypass" means the intentional diversion of waste streams from any portion of the permittee's treatment facility.</p> <p>"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. [40 CFR 403.17(a)]</p> <p><b>Bypassing -Notice</b></p> <p><b>Anticipated bypass-</b></p> <p>If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Permit Board, if possible at least ten days before the date of the bypass.</p> <p><b>Unanticipated bypass-</b></p> <p>The permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the Permit Board within 24 hours from the time the permittee becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass. The Permit Board may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. [40 CFR 403.17(c)]</p> <p><b>Bypassing- Prohibition of Bypass</b></p> <p>Bypass is prohibited, and the Commission may take enforcement action against a permittee unless:</p> <p>(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage.</p> <p>(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and</p> <p>(3) The permittee submitted notices as required under the notice of bypass requirement in this permit. [40 CFR 403.17(d)]</p>
T-29	
T-30	

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Condition	Condition
T-31	Upsets
T-32	Upsets- Definition
T-33	Upsets - Effect of an upset
T-34	Upsets - Conditions necessary for demonstration of upset
T-35	Upsets - Burden of proof

An upset constitutes an affirmative defense to an action brought for noncompliance with categorical pretreatment standards if the "conditions necessary for demonstration of upset" requirements of this permit are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review. [WPC-1 Chapter One Section IV.A(27)]

Upsets - Conditions necessary for demonstration of upset

A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:

(1) An upset occurred and that the permittee can identify the cause(s) of the upset;

(2) The permitted facility was at the time being properly operated in a prudent and workmanlike manner and in compliance with applicable operation and maintenance procedures; and;

(3) The permittee submitted notice of the upset as required in 40 CFR 403.16(c)(3)(24-hour notice of noncompliance). [WPC-1 Chapter One Section IV.A(27)]

Upsets - Burden of proof

In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof. [WPC-1 Chapter One Section IV.A(27)]

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Condition	Condition
T-36	<p>Upsets- User responsibility in case of upset</p> <p>The Industrial User shall control production or all discharges to the extent necessary to maintain compliance with categorical Pretreatment Standards upon reduction, loss, or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where among other things, the primary source of power of the treatment facility is reduced, lost or fails. [40 CFR 403.16(f)]</p>
T-37	<p>Removed Substances</p> <p>Solids, sludges, filter backwash, or other residuals removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent such materials from entering State waters and in a manner consistent with the Mississippi Solid Waste Disposal Act, the Federal Resource Conservation and Recovery Act, and the Mississippi Water Pollution Control Act. [WPC-1 Chapter One Section IV.A(21)]</p>
T-38	<p>Power Failures</p> <p>If electric power is required, in order to maintain compliance with the conditions and prohibitions of the permit, the permittee shall either:</p> <p>(1) Provide an alternative power source to operate the wastewater control facilities; or, if such alternative power source is not in existence, and no date for its implementation appears in the permit,</p> <p>(2) Halt, reduce, or otherwise control production and/or all wastewater flows upon reduction, loss, or failure of the primary source of power to the wastewater control facilities. [WPC-1 Chapter One Section IV.A(22)]</p>
T-39	<p>Inspection and Entry</p> <p>The permittee shall allow any authorized Commission representative to enter the permittee's premises where a wastewater source is located or in which records are required to be kept under the terms and conditions of this permit, at any reasonable time, to have access to and copy any applicable records, to inspect process facilities, treatment works, monitoring methods or equipment or to take samples, as authorized by Section 49-17-21 of the Code. In the event of investigation during an emergency response action, a reasonable time shall be any time of the day or night. Follow-up investigations subsequent to the conclusion of the emergency event shall be conducted at reasonable times. [WPC-1 Chapter One Section IV.A(17)]</p>



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T-40	Transfer of Ownership or Control  This permit is not transferable to any person without proper modification of this permit following procedures found in WPC-1, Chapter 1, Section V.C. [WPC-1 Chapter One Section V.C.]
T-41	Signatory Requirements  All applications, reports, or information submitted to the Permit Board shall be signed and certified. [WPC-1 Chapter One Section II.C]
T-42	Signatory Requirements - Application Signatures  All permit applications shall be signed as follows:  (1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making function for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding 25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.  (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or  (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. [WPC-1 Chapter One Section II.C]

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Condition No.	Condition
T-43	<p><b>Signatory Requirements - Reports and Other Information</b></p> <p>All reports required by the permit and other information requested by the Permit Board shall be signed by a person described by the application signature requirements in this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:</p> <p>(1) The authorization is made in writing by a person described by the application signature requirements;</p> <p>(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and</p> <p>(3) The written authorization is submitted to the Permit Board. [WPC-1 Chapter One Section II.C]</p>
T-44	<p><b>Signatory Requirements - Changes to Authorization</b></p> <p>If an authorization under the signatory requirements of this permit is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the signatory requirements of this permit must be submitted to the Permit Board prior to or together with any reports, information, or applications. [WPC-1 Chapter One Section IV.M]</p>
5	<p><b>Signatory Requirements - Certification</b></p> <p>Any person signing a document under the signatory requirements stated in this permit shall make the following certification:</p> <p>"I certify under penalty of law that this document and all attachments were prepared under the 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." [WPC-1 Chapter One Section IV.A(29)d]</p>

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Condition	Condition
T-46	<p>Availability of Records</p> <p>Except for information deemed to be confidential under the Mississippi Code Ann. 49-17-39 and 40 CFR 123.41, file information relating to this permit shall be made available for public inspection and copying during normal business hours at the office of the Department of Environmental Quality in Jackson, Mississippi. Written request must be provided in accordance with policies developed by the Commission and must state, specifically, records proposed for review, date proposed for review and copying requirements. [WPC-1 Chapter One Section III.E]</p>
T-47	<p>Duty to Provide Information</p> <p>The permittee shall furnish to the Permit Board within a reasonable time any relevant information which the Permit Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. The permittee shall also furnish to the Permit Board upon request, copies of records required to be kept by the permit. [WPC-1 Chapter One Section IV.A(16)]</p>
T-48	<p>Permit Actions</p> <p>The permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a modification of planned changes or anticipated noncompliance, does not stay any permit condition. [WPC-1 Chapter One Section V.C(5)]</p>
T-49	<p>Civil and Criminal Liability</p> <p>(1) Any person who violates a term, condition or schedule of compliance contained within this permit or the Mississippi Water Pollution Control Law is subject to the actions defined by law.</p> <p>(2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.</p> <p>(3) It shall not be the defense of the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [WPC-1 Chapter One Section IV.A(24)]</p>

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Condition

Condition

T-50

Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act and applicable provisions under Mississippi Law pertaining to transportation, storage, treatment, or spillage of oil or hazardous substances. [WPC-1 Chapter One Section IV.A(23)]

T-51

Hazardous Waste Release

(1) The permittee shall notify the Mississippi Department of Environmental Quality, the EPA Regional Waste Management Division Director, State hazardous waste authorities, and the POTW in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, as estimation of the mass and concentration of such constituents in the wastewater discharged during that calendar month, and an estimation of the mass of constituents in the wastewater expected to be discharged during the following twelve months. All notifications must take place within 180 days after the discharge of this rule. Industrial users who commence discharging after the effective date of this rule shall provide the notification no later than notifications of changed discharges must be submitted under 40 CFR 403.12(j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of 40 CFR 403.12(b), (d), and (e). [40 CFR 403.12(p)]

T-52

Hazardous Waste Release (continued)

(2) Dischargers are exempt from the requirements of paragraph (1) of the Hazardous Waste Release requirement during a calendar month in which they discharge no more than fifteen kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(d). Discharge of more than fifteen kilograms of non-acute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e), requires a one-time notification. Subsequent months during which the Industrial User discharges more than such quantities of any hazardous waste do not require additional notification.

(3) In the case of any new regulations under section 3001 of RCRA identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the Industrial User must notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities of the discharge of such substance within 90 days of the effective date of such regulations. [40 CFR 403.12(p)]

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T-53	<p>Hazardous Waste Release (continued)</p> <p>(4) In the case of any notification made under paragraph (1) of this section, the Industrial User shall certify that it has a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree it has determined to be economically practical. [40 CFR 403.12(p)]</p>
T-54	<p>Property Rights</p> <p>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. [WPC-1 Chapter One Section V.E]</p>
T-55	<p>Severability</p> <p>The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [WPC-1 Chapter One Section IV.A(25)]</p>
T-56	<p>Protection of Confidential Information</p> <p>(1) Pursuant to Miss. Code Ann. '49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. '49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality. [WPC-1 Chapter One Section III.F]</p>
T-57	<p>Protection of Confidential Information- continued</p> <p>(2) A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to Part II. B.13.a), shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi. [WPC-1 Chapter One Section III.F]</p>



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Narrative Requirements:

Condition No.	Condition
T-58	<p>Protection of Confidential Information- continued</p> <p>(3) Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. ' 49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed. [WPC-1 Chapter One Section III.F]</p>
T-59	<p>Spill Prevention and Best Management Plans</p> <p>Any permittee which has above ground bulk storage capacity, of more than 1320 gallons or any single container with a capacity greater than 660 gallons, of materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the State and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations shall provide secondary containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact. [WPC-1 Chapter One Section IV.A(12)a]</p> <p>Closure Requirements</p> <p>Should the permittee decide to permanently close and abandon the premises upon which it operates, it shall provide a Closure Plan to the Permit Board no later than 90 days prior to doing so. This Closure Plan shall address how and when all manufactured products, by-products, raw materials, stored chemicals, and solid and liquid waste and residues will be removed from the premises or permanently disposed of on site such that no potential environmental hazard to the waters of the State will be presented. Closure plan(s) submitted to and approved by Mississippi Department of Environmental Quality for compliance with other environmental regulations will satisfy the closure requirements for those items specifically addressed in the closure plan(s) as long as the closure does not present a potential for environmental hazard to waters of the State. [WPC-1 Chapter One Section IV.A(11)]</p>

Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Inc  
Facility Requirements  
Permit Number:MSP090300  
Activity ID No.: PER20060001

RPNT1 (MSP090300-001) Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, and purge water from on-site groundwater monitoring) and wastewater generated from the Submittal/Action Requirements:

Condition No.	Condition
S-1	For BOD, flow, oil & grease, pentachlorophenol, total phenols, pH, and total suspended solids, The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [WPC-1 Chapter One]
S-2	For Arsenic, Chromium, and Copper, The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [WPC-1 Chapter One]

## GENERAL INFORMATION

Koppers Inc  
1 Koppers Drive  
Tie Plant, MS  
Grenada County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
876	Koppers, Inc.	Official Site Name	12/11/2006	
2804300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	8/27/1999	
096000012	Koppers Industries, Inc.	Air-Title V Operating	3/11/1997	3/1/2002
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	9/30/2009
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	6/28/1988	6/28/1998
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	11/14/1995	11/13/2000
MSU081080	Koppers Industries, Inc.	Water-SOP	11/9/1981	11/30/1985
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	9/18/2001	8/31/2006
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	9/25/1992	
096000012	Koppers Industries, Inc.	Air-Title V Operating	1/13/2004	1/1/2009
096000012	Koppers Industries, Inc.	Air-Title V Fee Customer	3/11/1997	
876	Koppers Industries, Inc.	Historic Site Name	11/9/1981	12/11/2006

**Basin:** Yazoo River Basin

**Latitude:** 33° 44' 3" 0 tenths

**Longitude:** 89° 47' 8" 6 tenths

**Location Description:** PG- Plant Entrance (General). Data collected by Mike Hardy on 11/8/2005. Elevation 223 feet. Just inside entrance gate.

## GENERAL INFORMATION

**General Facility Description:**

Koppers Inc. is a wood treater that uses creosote and pentachlorophenol as a wood preservative.

**Relevant Documents:**

Cover Letter and Form 2P

Public Notice  
Mississippi Environmental Quality Permit Board  
P. O. Box 10385  
Jackson, Mississippi 39289-0385  
Telephone No. (601) 961-5171

FILE COPY

Public Notice Start Date: February 19, 2007  
Deadline for Comment: March 21, 2007

MDEQ Contact: Tommy Wall

Koppers Inc. located at 1 Koppers Drive in Tie Plant, Mississippi 38960 has applied to the Mississippi Department of Environmental Quality for the re-issuance of Pretreatment Permit MSP090300 to discharge treated wastewater and wastewater generated from the backflushing of the GE Osmonics brand water softener from outfall 001 into the City of Grenada POTW. The applicant's operations fall within SIC Code 2491 as a wood preserver that treats various timbers with pentachlorophenol and creosote.

The staff of the Permit Board has developed this draft permit based on information submitted to the Permit Board by the applicant, appropriate State and Federal agencies and other interested parties. The staff of the Permit Board is soliciting all relative information pertaining to the proposed activity, including public comment, to ensure that the final staff recommendation on the draft permit complies with all State and Federal regulations. Public review and comment on the draft permit and supporting documentation is an important element in the staff evaluation and resulting recommendation to the Permit Board. The draft permit conditions have been developed to ensure compliance with all State and Federal regulations but are subject to change based on information received as a result of public participation.

Persons wishing to comment upon or object to the proposed determinations are invited to submit comments in writing to Mr. Scott Hodges at the Permit Board's address shown above, no later than March 21, 2007. All comments received by this date will be considered in the formulation of final determinations regarding the application(s). A public hearing will be held if the Permit Board finds a significant degree of public interest in the proposed permit(s). The Permit Board is limited in the scope of its analysis to environmental impact. Any comments relative to zoning or economic and social impacts are within the jurisdiction of local zoning and planning authorities and should be addressed to them.

Additional details about the application(s), including a copy of the draft permit(s), are available by writing or calling Mr. Tommy Wall at the above Permit Board address and telephone number. For those with Internet access, a copy of the proposed draft permit(s) may be found on the Mississippi Department of Environmental Quality's website at:  
[http://opc.deq.state.ms.us/report\\_public\\_notice.aspx](http://opc.deq.state.ms.us/report_public_notice.aspx). This information is also available for review at the following location(s) during normal business hours:

Mississippi Department of Environmental Quality  
Office of Pollution Control  
Southport Center Building  
2380 Highway 80 West  
Jackson, Mississippi 39204

Elizabeth Jones Library  
Post Office Box 130  
Grenada, Mississippi 38901

Please bring the foregoing to the attention of persons whom you know will be interested.





State of Mississippi

WATER POLLUTION CONTROL PERMIT

State Pretreatment Standards



FILE COPY

THIS CERTIFIES

Koppers Inc  
1 Koppers Drive  
Tie Plant, MS  
Grenada County

Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

has been granted permission to discharge wastewater in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Act. The issuance of this permit does not relieve the permittee from complying with any requirements which the Federal Water Pollution Control Act. The issuance of this permit may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works.

Permit Board

Mississippi Environmental Quality

Permit No. MSP090306

Agency Interest # 876

*2nd Review*

Mississippi Department of Environmental Quality

19, 2007

\*\*\* Draft Permit \*\*\*

Feb

Issued/Modified:

Expires:

Subject Item  
VT1 Outfall  
oved from the  
ing tower block  
down, and pi  
toring) and w,  
GE Osmonics

= Activity  
= Area  
= Control Device  
= Significant Activity  
= Release Point

Public Notice  
Mississippi Environmental Quality Permit Board  
P. O. Box 10385  
Jackson, Mississippi 39289-0385  
Telephone No. (601) 961-5171

Public Notice Start Date: January 5, 2007  
Deadline for Comment: February 4, 2007

MDEQ Contact: Tommy Wall

Koppers Inc. located at 1 Koppers Drive in Tie Plant, Mississippi 38960 has applied to the Mississippi Department of Environmental Quality for the re-issuance of Pretreatment Permit MSP090300 to discharge treated wastewater from outfall 001 into the City of Grenada POTW. The applicant's operations fall within SIC Code 2491 as a wood preserver that treats various timbers with pentachlorophenol and creosote.

The staff of the Permit Board has developed this draft permit based on information submitted to the Permit Board by the applicant, appropriate State and Federal agencies and other interested parties. The staff of the Permit Board is soliciting all relative information pertaining to the proposed activity, including public comment, to ensure that the final staff recommendation on the draft permit complies with all State and Federal regulations. Public review and comment on the draft permit and supporting documentation is an important element in the staff evaluation and resulting recommendation to the Permit Board. The draft permit conditions have been developed to ensure compliance with all State and Federal regulations but are subject to change based on information received as a result of public participation.

Persons wishing to comment upon or object to the proposed determinations are invited to submit comments in writing to Mr. Scott Hodges at the Permit Board's address shown above, no later than February 4, 2007. All comments received by this date will be considered in the formulation of final determinations regarding the application(s). A public hearing will be held if the Permit Board finds a significant degree of public interest in the proposed permit(s). The Permit Board is limited in the scope of its analysis to environmental impact. Any comments relative to zoning or economic and social impacts are within the jurisdiction of local zoning and planning authorities and should be addressed to them.

Additional details about the application(s), including a copy of the draft permit(s), are available by writing or calling Mr. Tommy Wall at the above Permit Board address and telephone number. For those with Internet access, a copy of the proposed draft permit(s) may be found on the Mississippi Department of Environmental Quality's website at:  
[http://opc.deq.state.ms.us/report\\_public\\_notice.aspx](http://opc.deq.state.ms.us/report_public_notice.aspx). This information is also available for review at the following location(s) during normal business hours:

Mississippi Department of Environmental Quality  
Office of Pollution Control  
Southport Center Building  
2380 Highway 80 West  
Jackson, Mississippi 39204

Elizabeth Jones Library  
Post Office Box 130  
Grenada, Mississippi 38901

Please bring the foregoing to the attention of persons whom you know will be interested.



## State of Mississippi

### WATER POLLUTION CONTROL PERMIT



Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

#### THIS CERTIFIES

Koppers Inc  
1 Koppers Drive  
Tie Plant, MS  
Grenada County

**DRAFT**

**FILE COPY**

has been granted permission to discharge wastewater in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit. This permit is issued in accordance with the provisions of the Mississippi Water Pollution Control Law (Section 49-17-1 et seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder, and under authority granted pursuant to Section 402(b) of the Federal Water Pollution Control Act. The issuance of this permit does not relieve the permittee from complying with any requirements which Publicly Owned Treatment Works Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works.

#### Mississippi Environmental Quality Permit Board

#### Mississippi Department of Environmental Quality

Issued/Modified:  
Expires:

Permit No. MSP090300  
Agency Interest # 876

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**Cover Letter and Form 2P**

# **Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards**

**Koppers Inc**  
 Subject Item Inventory  
 Permit Number: MSP090300  
 Activity ID No.: PER20060001

**Subject Item Inventory:**

ID	Designation	Description
A1876	AI-876	Creosote and pentachlorophenol wood treater.
RPNT1	MSP090300-001	Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).

**Receiving Stream Relationships:**

Subject Item	Relationship	Receiving Stream
RPNT1 Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, cooling tower blowdown, storm water, equipment washdown, wastewater generated from the backflushing of the GE Osmonics brand water softener, and purge water from on-site groundwater monitoring).	Discharges Into	Grenada POTW MS0020397

**KEY**

- |                             |  |
|-----------------------------|--|
| ACT = Activity              | AI = Agency Interest                         |
| AREA = Area                 | CAFO = Concentrated Animal Feeding Operation |
| BONT = Control Device       | EQPT = Equipment                             |
| IA = Insignificant Activity | MAFO = Animal Feeding Operation              |
| RPNT = Release Point        | TRMT = Treatment                             |



# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blo  
 RPNT0000000001: MSP090300-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Conc. / Quality Minimum	Conc. / Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	Sample Type	Which Months
BOD, 5-Day Percent Removal Effluent	70 Monthly Average	140 Daily Maximum	pounds per day	*****	240 Monthly Average	480 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec
Flow Effluent	Report Monthly Average	0.035 Daily Maximum	Million Gallons per Day	*****	*****	*****	*****	Daily	Continuous Recorder	Jan-Dec
Oil and grease Effluent	Report Monthly Average	29.2 Daily Maximum	pounds per day	*****	Report Monthly Average	100 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Pentachlorophenol Effluent	0.053 Monthly Average	0.105 Daily Maximum	pounds per day	*****	0.18 Monthly Average	0.36 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
pH Effluent	*****	*****	*****	5.5 Minimum	*****	9.5 Maximum	SU	Weekly	Grab Sampling	Jan-Dec
Phenols (Total) Effluent	0.88 Monthly Average	1.75 Daily Maximum	pounds per day	*****	3 Monthly Average	6 Daily Maximum	mg/L	Weekly	Grab Sampling	Jan-Dec
Solids (Total Suspended) Effluent	88 Monthly Average	175 Daily Maximum	pounds per day	*****	300 Monthly Average	600 Daily Maximum	mg/L	Weekly	24-hr Composite	Jan-Dec
Arsenic (Total Recoverable) Effluent	Report Annual Average	0.13 Annual Maximum	pounds per day	*****	Report Annual Average	0.45 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Subject Item: Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blo  
 RPNT0000000001: MSP090300-001

Such discharges shall be limited and monitored by the permittee as specified below:

Parameter	Discharge Limitations							Monitoring Requirements		
	Quantity / Loading Average	Quantity / Loading Maximum	Quantity / Loading Units	Conc. / Quality Minimum	Conc. / Quality Average	Conc. / Quality Maximum	Conc. / Quality Units	Frequency	Sample Type	Which Months
Chromium (Total Recoverable) Effluent	Report Annual Average	1.17 Annual Maximum	pounds per day	*****	Report Annual Average	4 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec
Copper (Total Recoverable) Effluent	Report Annual Average	0.642 Annual Maximum	pounds per day	*****	Report Annual Average	2.2 Annual Maximum	mg/L	Semiannually	24-hr Composite	Jan-Dec

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

AI876 (AI-876) Creosote and pentachlorophenol wood treater::

Page 1 of 19

## Limitation Requirements:

Condition No.	Parameter	Condition
L-1		<p>Samples taken in compliance with the monitoring requirements specified in this permit shall be taken at the nearest accessible point after final treatment but prior to actual discharge into the POTW collection system or mixing with non-regulated waste streams. [WPC-1 Chapter One Section IV.A(28)]</p> <p>General Pretreatment Prohibitions</p> <p>In addition to those pollutants limited in the "Effluent Limitations and Monitoring Requirements" section of this permit, the following pollutants shall not be discharged into the POTW:</p> <p>(1) Pollutants which create a fire or explosion hazard in the POTW, including but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21;</p> <p>(2) Pollutants which will cause corrosive structural damage to the POTW, but in no case discharges with pH lower than 5.0, unless the treatment works is specifically designed to accommodate such discharges;</p> <p>(3) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;</p> <p>(4) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW;</p> <p>(5) Heat in amounts which will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities that the temperature at the POTW treatment plant exceeds 40 degrees Centigrade (104 degrees Fahrenheit) unless the approval Authority, upon request of the POTW, approves alternate temperature limits;</p> <p>(6) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;</p> <p>(7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;</p> <p>(8) Any trucked or hauled pollutants, except at discharge points designated by the POTW. [40 CFR 403.5(b)]</p>
L-2		

**Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards**

Koppers Industries Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

**AI876 (continued):**

Page 2 of 19

**Record-Keeping Requirements:**

Condition No.	Condition
R-1	Recording of Results
For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall maintain records of all information obtained from such monitoring including:	
(1) The exact place, date, and time of sampling;	
(2) The dates the analyses were performed;	
(3) The person(s) who performed the analyses;	
(4) The analytical techniques, procedures or methods used; and	
(5) The results of all required analyses. [WPC-1 Chapter One Section IV.A(29)a]	

**Submission/Action Requirements:**

Condition No.	Condition
S-1	Oral Notification Requirements
The permittee shall notify the Mississippi Environmental Quality Permit Board and the POTW orally immediately upon becoming aware of the following:	
(1) A spill which would result in a discharge to the POTW or to State waters;	
(2) Any unanticipated bypass which exceeds any effluent limitation in the permit.	
(3) Any upset which exceeds any effluent limitation in the permit.	
(4) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours. [WPC-1 Chapter One Section IV.M]	

Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

A1876 (continued):

Submittal/Action Requirements:

Condition	Condition
S-2	<p data-bbox="1047 241 1079 346">Reporting</p> <p data-bbox="885 241 1015 1974">Monitoring results obtained during the previous reporting period shall be summarized and reported on a Discharge Monitoring Report Form (EPA No. 3320-1) POSTMARKED NO LATER THAN THE 28TH DAY OF THE MONTH FOLLOWING THE COMPLETED REPORTING PERIOD. Copies of these, and all other reports required herein, shall be signed in accordance with Chapter One Sections II.C. and II.E. of the Mississippi Wastewater Permit Regulations, and shall be submitted to the Mississippi Environmental Quality Permit Board at the following address:</p> <p data-bbox="738 241 868 1092">Mississippi Department of Environmental Quality Office of Pollution Control P.O. Box 10385 Jackson, Mississippi 39289-0385. [WPC-1 Chapter One Section IV.A(15)(1)]</p> <p data-bbox="682 241 722 892">Noncompliance Notification - Twenty-Four Hour Reporting</p>
S-3	<p data-bbox="511 241 657 1984">(1) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and/or prevent recurrence of the noncompliance.</p> <p data-bbox="292 241 479 1984">(2) The following shall be included as information which must be reported within 24 hours under this paragraph. (i) Any unanticipated bypass which exceeds any effluent limitation in the permit. (ii) Any upset which exceeds any effluent limitation in the permit. (iii) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Permit Board in the permit to be reported within 24 hours. (iv) The Executive Director may waive the written report on a case-by-case basis for reports under paragraph (1) of this section if the oral report has been received within 24 hours. [WPC-1 Chapter One Section IV.A(29)e]</p>



# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

AL876 (continued):

Page 4 of 19

## Submittal/Action Requirements:

Condition No.	Condition
S-4	Noncompliance Notification - Other Noncompliance  The permittee shall report all instances of noncompliance not reported under the oral notification requirements or reporting requirements of this permit, at the time monitoring reports are submitted or within 30 days from the end of the month in which the noncompliance occurs. The reports shall contain the same information as is required under the reporting requirements contained in this permit. [WPC-1 Chapter One Section IV.A(29)f]
S-5	Noncompliance Notification - Other Information  Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Permit Board, it shall promptly submit such facts or information. [WPC-1 Chapter One Section IV.A(29)g]
S-6	Expiration of Permit  At least 180 days prior to the expiration date of this permit pursuant to the State law and regulation, the permittee who wishes to continue to operate under this permit shall submit an application to the Permit Board for reissuance. The Permit Board may grant permission to submit an application later than this, but no later than the expiration date of the permit. [WPC-1 Chapter One Section V.B(1)]

## Narrative Requirements:

### Definitions:

Condition No.	Condition
T-1	Definitions: General  The permittee shall refer to WPC-1, Chapter 1, Section I.A for definitions of any permit term not specified in this permit. [WPC-1 Chapter One Section I.A]

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppes Industries Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

AI876 (continued):

Page 5 of 19

## Narrative Requirements:

### Definitions:

Condition	Condition
T-2	<p>Definitions: Monthly Average</p> <p>"Monthly Average" means the average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during the month. The monthly average for fecal coliform bacteria is the geometric mean of "daily discharges" measured during the calendar month. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [WPC-1 Chapter One Section I.A(40)]</p>
T-3	<p>Definitions: Daily Discharge</p> <p>"Daily discharge" means the "discharge of a pollutant" measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily average" is calculated as the average measurement of the discharge of the pollutant over the day. [WPC-1 Chapter One Section I.A(14)]</p>
T-4	<p>Definitions: Daily Maximum</p> <p>"Daily maximum" means the highest "daily discharge" over a calendar month. [WPC-1 Chapter One Section I.A(15)]</p>
T-5	<p>Definitions: Toxic Pollutants</p> <p>"Toxic pollutants" means any pollutant listed as toxic under Section 307(a)(1) or, in the case of "sludge use or disposal practices", any pollutant identified in regulations implementing Section 405(d) of the Clean Water Act. [WPC-1 Chapter One Section I.A]</p>
T-6	<p>Definitions: Hazardous Substances</p> <p>"Hazardous substances" are defined in 40 CFR 116.4. [WPC-1 Chapter One 116.4]</p>

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

AI876 (continued):

Page 6 of 19

## Narrative Requirements:

### Definitions:

Condition No.	Condition
T-7	Definitions: Quarterly Average  "Quarterly Average" means the average of "daily discharges" over a three month period, calculated as the sum of all "daily discharges" measured during the quarter divided by the number of "daily discharges" measured during the quarter. The quarterly average for fecal coliform bacteria is the geometric mean of "daily discharges" measured during the quarter. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [WPC-1 Chapter One Section I.A(26)]
T-8	Definitions: Quarterly Maximum  "Quarterly Maximum" means the highest "daily discharge" measured over a three-month period. [WPC-1 Chapter One Section I.A(57)]
T-9	Definitions: Yearly Average  "Yearly Average" means the average of "daily discharges" over a calendar year, calculated as the sum of all "daily discharges" measured during the calendar year divided by the number of "daily discharges" measured during the calendar year. The yearly average for fecal coliform bacteria is the geometric mean of "daily discharges" during the calendar year. In computing the geometric mean for fecal coliform bacteria, the value one (1) shall be substituted for sample results of zero. [WPC-1 Chapter One Section I.A(77)]
T-10	Definitions: Yearly Maximum  "Yearly Maximum" means the highest "daily discharge" measured over a calendar year. [WPC-1 Chapter One Section I.A(78)]
Condition No.	Condition
T-11	The issuance of this permit does not relieve the permittee from complying with any requirements which the Publicly Owned Treatment Works (POTW) Authority may deem necessary as a prerequisite to the use of the Authority's sewage system and associated treatment works. [WPC-1 Chapter One Section IV.M]
T-12	The permittee shall achieve compliance with the effluent limitations specified for discharge in accordance with the following schedule: Upon Permit Issuance. [WPC-1 Chapter One Section IV.A(9)]

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppes Industries Inc  
Facility Requirements  
Permit Number: MSP090300  
Activity ID No.: PER20060001

A1876 (continued):

Page 7 of 19

## Narrative Requirements:

Condition	Condition
T-13	Within 14 days after either an interim or final date of compliance specified by this permit, the permittee shall provide the Permit Board with written notice of his compliance or noncompliance with the requirements or conditions specified to be completed by that date. [WPC-1 Chapter One Section IV.A(10)]
T-14	No Discharge of Wastewater to Surface Water
T-15	The discharge of any wastewater from this facility to the waters of the State of Mississippi shall constitute a violation of this permit, except as provided in the Bypassing and Upset conditions of this permit, or as authorized under separate permit pursuant to Section 402 of the Federal Water Pollution Control Act. [WPC-1 Chapter One Section I.B] Facilities Operation
T-16	The permittee shall at all times properly operate, maintain, and when necessary, promptly replace all facilities and systems of collection, treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes adequate laboratory controls and appropriate quality assurance procedures. Proper replacement includes maintaining an adequate inventory of replacement equipment and parts for prompt replacement when necessary to maintain continuous collection and treatment of wastewater. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. The Permit Board may require regular reporting of internal operational and maintenance parameters where necessary to confirm proper operation of a waste treatment system. [WPC-1 Chapter One Section IV.A(18)] Representative Sampling
T-17	Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored wastewater. [WPC-1 Chapter One Section IV.A(28)e] Reporting

If the results for a given sample analysis are such that any parameter (other than fecal coliform) is not detected at or above the minimum level for the test method used, a value of zero will be used for that sample in calculating an arithmetic mean value for the parameter. If the resulting calculated arithmetic mean value for that reporting period is zero, the permittee shall report "NODI = B" on the DMR. For fecal coliform, a value of 1.0 shall be used in calculating the geometric mean. If the resulting fecal coliform mean value is 1.0, the permittee shall report "NODI = B" on the DMR. For each quantitative sample value that is not detectable, the test method used and the minimum level for that method for that parameter shall be attached to and submitted with the DMR. The permittee shall then be considered in compliance with the appropriate effluent limitation and/or reporting requirement. [WPC-1 Chapter One Section II.G]

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
Facility Requirements  
Permit Number: MSP090300  
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AI876 (continued):

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## Narrative Requirements:

Condition No.	Condition
T-18	<p>Reporting</p> <p>If the permittee monitors any pollutant as prescribed in the permit more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or, in the case of sludge use or disposal, approved under 40 CFR Part 136 unless otherwise specified in 40 CFR Part 503, or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Permit Board. [WPC-1 Chapter One Section IV.A(15)c(2)]</p>
T-19	<p>Reporting</p> <p>Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Board in the permit. [WPC-1 Chapter One Section IV.A(15)c(3)]</p>
T-20	<p>Test Procedures</p> <p>Test procedures for the analysis of pollutants shall include those set forth in 40 CFR 136 or alternative procedures approved and/or promulgated by EPA. [WPC-1 Chapter One Section IV.A(30)]</p>
T-21	<p>Records Retention</p> <p>All records and results of monitoring activities required by this permit, including calibration and maintenance records, shall be retained by the permittee for a minimum of three (3) years, unless otherwise required or extended by the Permit Board, copies of which shall be furnished to the Department upon request. [WPC-1 Chapter One Section IV.A(29)a]</p>
T-22	<p>Falsifying Reports</p> <p>Any permittee who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required by the Permit Board to be maintained as a condition in a permit, or who alters or falsifies the results obtained by such devices or methods and/or any written report required by or in response to a permit condition, shall be deemed to have violated a permit condition and shall be subject to the penalties provided for a violation of a permit condition pursuant to Section 49-17-43 of the Code. [WPC-1 Chapter One Section IV.A(29)d]</p>



# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
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AI876 (continued):

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## Narrative Requirements:

Condition No.	Condition
T-23	<p>Compliance with Permit Conditions</p> <p>All discharges authorized by the permit shall be consistent with the terms and conditions of the permit and the permittee shall make all reasonable efforts to meet any interim or final dates for compliance specified therein. [WPC-1 Chapter One Section IV.A(13)]</p>
T-24	<p>Facility Expansion and/or Modification</p> <p>Any facility expansion, production increases, process modifications, changes in discharge volume or location or other changes in operations or conditions of the permittee which may result in a new or increased discharge of waste, shall be reported to the Permit Board by submission of a new application for a permit pursuant to Chapter One, Section II.A. of the Mississippi Wastewater Regulations, or if the discharge does not violate effluent limitations specified in the permit, by submitting to the Permit Board a notice of a new or increased discharge. [WPC-1 Chapter One Section IV.A(14)]</p>
T-25	<p>Routine Reporting</p> <p>Such test results, reports, or other data as the Mississippi Environmental Quality Permit Board may determine to be necessary shall be submitted as specified elsewhere in the permit to the following address:</p> <p>Mississippi Department of Environmental Quality Office of Pollution Control P.O. Box 10385 Jackson, Mississippi 39289-0385. [WPC-1 Chapter One Section IV.A(16)]</p>
T-26	<p>Duty to Mitigate</p> <p>The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of the permit that has a reasonable likelihood of adversely affecting human health or the environment. [WPC-1 Chapter One Section IV.A(19)]</p>
T-27	<p>Bypassing</p> <p>The permittee shall comply with the terms and conditions regarding bypass found in 40 CFR 403.17. [WPC-1 Chapter One Section IV.M]</p>

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

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## Narrative Requirements:

Condition No.	Condition
T-28	<p><b>Bypassing - Definitions</b></p> <p>"Bypass" means the intentional diversion of waste streams from any portion of the permittee's treatment facility.</p> <p>"Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. [40 CFR 403.17(a)]</p>
T-29	<p><b>Bypassing - Notice</b></p> <p><b>Anticipated bypass-</b></p> <p>If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Permit Board, if possible at least ten days before the date of the bypass.</p> <p><b>Unanticipated bypass-</b></p> <p>The permittee shall submit oral notice of an unanticipated bypass that exceeds applicable Pretreatment Standards to the Permit Board within 24 hours from the time the permittee becomes aware of the bypass. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the bypass. The written submission shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times, and, if the bypass has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass. The Permit Board may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. [40 CFR 403.17(c)]</p>
T-30	<p><b>Bypassing- Prohibition of Bypass</b></p> <p>Bypass is prohibited, and the Commission may take enforcement action against a permittee unless:</p> <p>(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage.</p> <p>(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and</p> <p>(3) The permittee submitted notices as required under the notice of bypass requirement in this permit. [40 CFR 403.17(d)]</p>

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
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## Narrative Requirements:

Condition No.	Condition
T-31	Upsets  The permittee shall meet the conditions of 40 CFR 403.16 regarding "Upsets" and as in the upset requirements of this permit. [WPC-1 Chapter One Section IV.M]
T-32	Upsets- Definition  "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with categorical pretreatment standards because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. [WPC-1 Chapter One Section IV.A(27)]
T-33	Upsets - Effect of an upset  An upset constitutes an affirmative defense to an action brought for noncompliance with categorical pretreatment standards if the "conditions necessary for demonstration of upset" requirements of this permit are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review. [WPC-1 Chapter One Section IV.A(27)]
T-34	Upsets - Conditions necessary for demonstration of upset  A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:  (1) An upset occurred and that the permittee can identify the cause(s) of the upset; (2) The permitted facility was at the time being properly operated in a prudent and workmanlike manner and in compliance with applicable operation and maintenance procedures; and; (3) The permittee submitted notice of the upset as required in 40 CFR 403.16(c)(3)(24-hour notice of noncompliance). [WPC-1 Chapter One Section IV.A(27)]
T-35	Upsets - Burden of proof  In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof. [WPC-1 Chapter One Section IV.A(27)]

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

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## Narrative Requirements:

Condition No.	Condition
T-36	<p>Upsets- User responsibility in case of upset</p> <p>The Industrial User shall control production or all discharges to the extent necessary to maintain compliance with categorical Pretreatment Standards upon reduction, loss, or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where among other things, the primary source of power of the treatment facility is reduced, lost or fails. [40 CFR 403.16(f)]</p>
T-37	<p>Removed Substances</p> <p>Solids, sludges, filter backwash, or other residuals removed in the course of treatment or control of wastewater shall be disposed of in a manner such as to prevent such materials from entering State waters and in a manner consistent with the Mississippi Solid Waste Disposal Act, the Federal Resource Conservation and Recovery Act, and the Mississippi Water Pollution Control Act. [WPC-1 Chapter One Section IV.A(21)]</p>
T-38	<p>Power Failures</p> <p>If electric power is required, in order to maintain compliance with the conditions and prohibitions of the permit, the permittee shall either:</p> <p>(1) Provide an alternative power source to operate the wastewater control facilities; or, if such alternative power source is not in existence, and no date for its implementation appears in the permit,</p> <p>(2) Halt, reduce, or otherwise control production and/or all wastewater flows upon reduction, loss, or failure of the primary source of power to the wastewater control facilities. [WPC-1 Chapter One Section IV.A(22)]</p>
T-39	<p>Inspection and Entry</p> <p>The permittee shall allow any authorized Commission representative to enter the permittee's premises where a wastewater source is located or in which records are required to be kept under the terms and conditions of this permit, at any reasonable time, to have access to and copy any applicable records, to inspect process facilities, treatment works, monitoring methods or equipment or to take samples, as authorized by Section 49-17-21 of the Code. In the event of investigation during an emergency response action, a reasonable time shall be any time of the day or night. Follow-up investigations subsequent to the conclusion of the emergency event shall be conducted at reasonable times. [WPC-1 Chapter One Section IV.A(17)]</p>

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
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## Narrative Requirements:

Condition No.	Condition
T-40	Transfer of Ownership or Control  This permit is not transferable to any person without proper modification of this permit following procedures found in WPC-1, Chapter 1, Section V.C. [WPC-1 Chapter One Section V.C.]
T-41	Signatory Requirements  All applications, reports, or information submitted to the Permit Board shall be signed and certified. [WPC-1 Chapter One Section II.C]
T-42	Signatory Requirements - Application Signatures  All permit applications shall be signed as follows:  (1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making function for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding 25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.  (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or  (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. [WPC-1 Chapter One Section II.C]



**Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards**

Koppers Industries Inc  
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**Narrative Requirements:**

Condition No.	Condition
T-43	<p><b>Signatory Requirements - Reports and Other Information</b></p> <p>All reports required by the permit and other information requested by the Permit Board shall be signed by a person described by the application signature requirements in this permit or by a duly authorized representative of that person. A person is a duly authorized representative only if:</p> <ul style="list-style-type: none"><li>(1) The authorization is made in writing by a person described by the application signature requirements;</li><li>(2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and</li><li>(3) The written authorization is submitted to the Permit Board. [WPC-1 Chapter One Section II.C]</li></ul>
T-44	<p><b>Signatory Requirements - Changes to Authorization</b></p> <p>If an authorization under the signatory requirements of this permit is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the signatory requirements of this permit must be submitted to the Permit Board prior to or together with any reports, information, or applications. [WPC-1 Chapter One Section IV.M]</p>
45	<p><b>Signatory Requirements - Certification</b></p> <p>Any person signing a document under the signatory requirements stated in this permit shall make the following certification:</p> <p>"I certify under penalty of law that this document and all attachments were prepared under the 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." [WPC-1 Chapter One Section IV.A(29)d]</p>

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
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## Narrative Requirements:

Condition No.	Condition
T-46	<p>Availability of Records</p> <p>Except for information deemed to be confidential under the Mississippi Code Ann. 49-17-39 and 40 CFR 123.41, file information relating to this permit shall be made available for public inspection and copying during normal business hours at the office of the Department of Environmental Quality in Jackson, Mississippi. Written request must be provided in accordance with policies developed by the Commission and must state, specifically, records proposed for review, date proposed for review and copying requirements. [WPC-1 Chapter One Section III.E]</p>
T-47	<p>Duty to Provide Information</p> <p>The permittee shall furnish to the Permit Board within a reasonable time any relevant information which the Permit Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. The permittee shall also furnish to the Permit Board upon request, copies of records required to be kept by the permit. [WPC-1 Chapter One Section IV.A(16)]</p>
T-48	<p>Permit Actions</p> <p>The permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a modification of planned changes or anticipated noncompliance, does not stay any permit condition. [WPC-1 Chapter One Section V.C(5)]</p>
T-49	<p>Civil and Criminal Liability</p> <p>(1) Any person who violates a term, condition or schedule of compliance contained within this permit or the Mississippi Water Pollution Control Law is subject to the actions defined by law.</p> <p>(2) Except as provided in permit conditions on "Bypassing" and "Upsets", nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.</p> <p>(3) It shall not be the defense of the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [WPC-1 Chapter One Section IV.A(24)]</p>

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

Koppers Industries Inc  
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## Narrative Requirements:

Condition No.	Condition
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T-50

### Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under Section 311 of the Federal Water Pollution Control Act and applicable provisions under Mississippi Law pertaining to transportation, storage, treatment, or spillage of oil or hazardous substances. [WPC-1 Chapter One Section IV.A(23)]

T-51

### Hazardous Waste Release

(1) The permittee shall notify the Mississippi Department of Environmental Quality, the EPA Regional Waste Management Division Director, State hazardous waste authorities, and the POTW in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, as estimation of the mass and concentration of such constituents in the wastewater discharged during that calendar month, and an estimation of the mass of constituents in the wastewater expected to be discharged during the following twelve months. All notifications must take place within 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once. However, notifications of changed discharges must be submitted under 40 CFR 403.12(j). The notification requirement in this section does not apply to pollutants already reported under the self-monitoring requirements of 40 CFR 403.12(b), (d), and (e). [40 CFR 403.12(p)]

T-52

### Hazardous Waste Release (continued)

(2) Dischargers are exempt from the requirements of paragraph (1) of the Hazardous Waste Release requirement during a calendar month in which they discharge no more than fifteen kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(d). Discharge of more than fifteen kilograms of non-acute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30(d) and 261.33(e), requires a one-time notification. Subsequent months during which the Industrial User discharges more than such quantities of any hazardous waste do not require additional notification.

(3) In the case of any new regulations under section 3001 of RCRA identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the Industrial User must notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities of the discharge of such substance within 90 days of the effective date of such regulations. [40 CFR 403.12(p)]

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Narrative Requirements:

Condition	Condition
T-53	<p>Hazardous Waste Release (continued)</p> <p>(4) In the case of any notification made under paragraph (1) of this section, the Industrial User shall certify that it has a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree it has determined to be economically practical. [40 CFR 403.12(p)]</p>
T-54	<p>Property Rights</p> <p>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. [WPC-1 Chapter One Section V.E]</p>
T-55	<p>Severability</p> <p>The provisions of this permit are severable. If any provision of this permit, or the application of any provision of this permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. [WPC-1 Chapter One Section IV.A(25)]</p>
T-56	<p>Protection of Confidential Information</p> <p>(1) Pursuant to Miss. Code Ann. '49-17-39 and 40 CFR 123.41, the Permit Board shall make available to the public all information contained on any form and all public comments on such information. Effluent data and information concerning air or water quality shall also be made available to the public. Information that is determined by the Commission to be trade secrets shall not be disclosed to the public without prior consent of the source of such information. When a claim of confidentiality is made by a person in accordance with the provisions of Miss. Code Ann. '49-17-39, a recommendation on the questions of confidentiality shall be made by the Commission and forwarded to the Regional Administrator (or his/her designee) of EPA for his concurrence in such determination of confidentiality. [WPC-1 Chapter One Section III.F]</p>
T-57	<p>Protection of Confidential Information- continued</p> <p>(2) A copy of a State, UIC, or NPDES permit application, public notice, fact sheet, draft permit and other forms relating thereto, including written public comment and other reports, files and information relating to the application not classified as confidential information by the Commission pursuant to Part II. B.13.a), shall be available for public inspection and copying during normal business hours at the office of the Department in Jackson, Mississippi. [WPC-1 Chapter One Section III.F]</p>

# Permit to Operate Waste Disposal System in Accordance with National and State Pretreatment Standards

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AI876 (continued):

## Narrative Requirements:

Condition	Condition
T-58	<p>Protection of Confidential Information- continued</p> <p>(3) Upon determination by the Commission that information submitted by a permit applicant is entitled to protection against disclosure as trade secrets, the information shall be so labeled and otherwise handled as confidential. Copies of the information and a notice of the Commission's action shall be forwarded to the Regional Administrator (or his/her designee). In making its determination of entitlement to protection as a trade secret, the Commission shall follow the procedure set forth in Miss. Code Ann. '49-17-39. In the event the Commission denies the claim of confidentiality, the applicant shall have, upon notification thereof, the right to appeal the Commission's determination in the same manner provided for other orders of the Commission. No disclosure, except to EPA, shall be allowed until any appeal from the determination of the Commission is completed. [WPC-1 Chapter One Section III.F]</p>
T-59	<p>Spill Prevention and Best Management Plans</p> <p>Any permittee which has above ground bulk storage capacity, of more than 1320 gallons or any single container with a capacity greater than 660 gallons, of materials and/or liquids (including but not limited to, all raw, finished and/or waste material) with chronic or acute potential for pollution impact on waters of the State and not subject to Mississippi Hazardous Waste Management Regulations or 40 CFR 112 (Oil Pollution Prevention) regulations shall provide secondary containment as found in 40 CFR 112 or equivalent protective measures such as trenches or waterways which would conduct any tank releases to a permitted treatment system or sufficient equalization or treatment capacity needed to prevent chronic/acute pollution impact. [WPC-1 Chapter One Section IV.A(12)a]</p>
T-60	<p>Closure Requirements</p> <p>Should the permittee decide to permanently close and abandon the premises upon which it operates, it shall provide a Closure Plan to the Permit Board no later than 90 days prior to doing so. This Closure Plan shall address how and when all manufactured products, by-products, raw materials, stored chemicals, and solid and liquid waste and residues will be removed from the premises or permanently disposed of on site such that no potential environmental hazard to the waters of the State will be presented. Closure plan(s) submitted to and approved by Mississippi Department of Environmental Quality for compliance with other environmental regulations will satisfy the closure requirements for those items specifically addressed in the closure plan(s) as long as the closure does not present a potential for environmental hazard to waters of the State. [WPC-1 Chapter One Section IV.A(11)]</p>



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**RPNT1 (MSP090300-001) Outfall 001 (treated wastewater consisting of water removed from the conditioning of wood, boiler blowdown, storm water, equipment washdown, and purge water from on-site groundwater monitoring). :  
Submittal/Action Requirements:**

Condition	Condition
S-1	For BOD, flow, oil & grease, pentachlorophenol, total phenols, pH, and total suspended solids, The Permittee shall submit analytical results on a monthly Discharge Monitoring Report (DMR): Due monthly, by the 28th of the subsequent month. [WPC-1 Chapter One]
S-2	For Arsenic, Chromium, and Copper, The Permittee shall submit analytical results on an annual Discharge Monitoring Report (DMR): Due annually by the 28th of January. [WPC-1 Chapter One]

## GENERAL INFORMATION

Koppers Industries Inc  
1 Koppers Drive  
Tie Plant, MS  
Grenada County

### Alternate/Historic Identifiers

ID	Alternate/Historic Name	User Group	Start Date	End Date
8/6	Koppers Industries, Inc.	Official Site Name	11/9/1981	
2804300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	8/27/1999	
096000012	Koppers Industries, Inc.	Air-Title V Operating	3/11/1997	3/1/2002
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	9/30/2009
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	6/28/1988	6/28/1998
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	11/14/1995	11/13/2000
MSU081080	Koppers Industries, Inc.	Water-SOP	11/9/1981	11/30/1985
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	9/18/2001	8/31/2006
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	9/25/1992	
096000012	Koppers Industries, Inc.	Air-Title V Operating	1/13/2004	1/1/2009
096000012	Koppers Industries, Inc.	Air-Title V Fee Customer	3/11/1997	

Basin: Yazoo River Basin

Latitude: 33° 44' 3" 0 tenths

Longitude: 89° 47' 8" 6 tenths

**Location Description:** PG- Plant Entrance (General). Data collected by Mike Hardy on 11/8/2005. Elevation 223 feet. Just inside entrance gate.

\*\*\* Draft Permit \*\*\*

## GENERAL INFORMATION

**General Facility Description:**

Koppers Inc. is a wood treater that uses creosote and pentachlorophenol as a wood preservative.

**Relevant Documents:**

Cover Letter and Form 2P

\*\*\* Draft Permit \*\*\*

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