KOPPERS INC
MSP090300
2006

AI 00876

Koppers Inc

General Information

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

Address

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

Telecommunications

Type	Address or Phone
Work phone number	(662) 226-4584, Ext. 11

Alternate / Historic AI Identifiers

Alt ID	Alt Name	Alt Type	Start Date	End Date
2804300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
096000012	Koppers Industries, Inc.	Air-Title V Fee Customer	03/11/1997	
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	01/01/2009
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	09/25/1992	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	08/27/1999	
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	06/28/1988	06/28/1998
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	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
MSU081080	Koppers Industries, Inc.	Water-SOP	11/09/1981	11/30/1985

Regulatory Programs

Program	SubProgram	Start Date	End Date
Air	Title V - major	06/01/1900	
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	
	PT CIU - Timber Products		

Water	Processing (Subpart 429)	11/14/1995	
Water	PT SIU	11/14/1995	

Locational Data

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

12/20/2006 12:16:40 PM

Koppers Industries Inc

General Information

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

Address

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

Telecommunications

Type	Address or Phone
Work phone number	(662) 226-4584, Ext. 11

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2804300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
096000012	Koppers Industries, Inc.	Air-Title V Fee Customer	03/11/1997	
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	01/01/2009
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	09/25/1992	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	08/27/1999	
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	06/28/1988	06/28/1998
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	09/30/2009
876	Koppers Industries, Inc.	Official Site Name	11/09/1981	
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	11/14/1995	11/13/2000
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	09/18/2001	08/31/2006
MSU081080	Koppers Industries, Inc.	Water-SOP	11/09/1981	11/30/1985

Regulatory Programs

Program	SubProgram	Start Date	End Date
Air	Title V - major	06/01/1900	
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	

Locational Data

Latitude	Longitude	Metadata	S / T / R	Map Links
33 ° 44 ' 3 .00 (033.734167)	89 ° 47 ' 8 .06 (089.785572)	**Point Desc:** PG- Plant Entrance (General). Data collected by Mike Hardy on 11/8/2005. Elevation 223 feet. Just inside entrance gate.	Section: Township: Range:	SWIMS TerraServer Map It

		Method: GPS Code (Psuedo Range) Standard Position (SA Off) **Datum:** NAD83 **Type:** MDEQ			

10/11/2006 11:18:40 AM

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

NELAP Accredit
LELAP 04023

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

ATTN: Kevin Coker

Date Reported: 12/12/06
Date Received: 12/05/06
Date/Time Sampled: 12/05/06 07:20
Sampled by: R. Branch

Project ID/Location: Facility Discharge
Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

RECEIVED JAN 2007

Sample Number: CC09950
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.9	1.0	mg/L	405.1	MWS	12/06/06	09:45
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/12/06	08:35
Total Suspended Solids	32	1.0	mg/L	160.2	MWS	12/08/06	16:40
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	12/06/06	20:36
2-Chlorophenol	ND	0.002	mg/L	625	RLT	12/06/06	20:36
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	12/06/06	20:36
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	12/06/06	20:36
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	12/06/06	20:36
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	12/06/06	20:36
2-Nitrophenol	ND	0.002	mg/L	625	RLT	12/06/06	20:36
4-Nitrophenol	ND	0.005	mg/L	625	RLT	12/06/06	20:36
Pentachlorophenol	ND	0.001	mg/L	625	RLT	12/06/06	20:36
Phenol	0.002	0.002	mg/L	625	RLT	12/06/06	20:36
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	12/06/06	20:36

supplementary information, attached.

Robert Thompson
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 Acc
LELAP 0402

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

ATTN: Kevin Coker

Date Reported: 12/21/06
Date Received: 12/12/06
Date/Time Sampled: 12/12/06 07:30
Sampled by: R. Branch

Project ID/Location: Facility Discharge
Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC10506
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Tin
Biochemical Oxygen Demand	17.1	1.0	mg/L	405.1	MWS	12/13/06	09:
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/20/06	08:
Total Suspended Solids	123	1.0	mg/L	160.2	SMB	12/14/06	12:3
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	12/13/06	14:01
2-Chlorophenol	ND	0.002	mg/L	625	RLT	12/13/06	14:01
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	12/13/06	14:01
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	12/13/06	14:01
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	12/13/06	14:01
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	12/13/06	14:01
2-Nitrophenol	ND	0.002	mg/L	625	RLT	12/13/06	14:01
4-Nitrophenol	ND	0.005	mg/L	625	RLT	12/13/06	14:01
Pentachlorophenol	0.007	0.001	mg/L	625	RLT	12/13/06	14:01
Phenol	ND	0.002	mg/L	625	RLT	12/13/06	14:01
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	12/13/06	14:01

supplementary information, attached.

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 Accr
LELAP 0402

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

ATTN: Kevin Coker

Date Reported: 01/10/07
Date Received: 12/22/06
Date/Time Sampled: 12/22/06 12:55
Sampled by: R. Branch

Project ID/Location: Facility Discharge
Weekly Requirements
Sample Description: Outfall 001
Sample Matrix: WATER

Project Number:

Sample Number: CC11008
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Tim
Biochemical Oxygen Demand	12.9	1.0	mg/L	405.1	MWS	12/22/06	15:
Oil & Grease	ND	2.1	mg/L	1664A	SMB	01/09/07	08:
Total Suspended Solids	80	1.0	mg/L	160.2	MWS	12/28/06	16:4
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	12/27/06	15:16
2-Chlorophenol	ND	0.002	mg/L	625	RLT	12/27/06	15:16
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	12/27/06	15:16
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	12/27/06	15:16
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	12/27/06	15:16
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	12/27/06	15:16
2-Nitrophenol	ND	0.002	mg/L	625	RLT	12/27/06	15:16
4-Nitrophenol	ND	0.005	mg/L	625	RLT	12/27/06	15:16
Pentachlorophenol	ND	0.001	mg/L	625	RLT	12/27/06	15:16
Phenol	ND	0.002	mg/L	625	RLT	12/27/06	15:16
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	12/27/06	15:16

supplementary information, attached.

Robert Thompson
Quality Assurance/Quality Control

BGGiessner PhD/
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: Kevin Coker

Date Reported: 01/15/07
Date Received: 12/29/06
Date/Time Sampled: 12/29/06 07:15
Sampled by: R. Branch

Project ID/Location: Facility Discharge
Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC11141
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.3	1.0	mg/L	405.1	MWS	12/29/06	15:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	01/12/07	08:45
Total Suspended Solids	49	1.0	mg/L	160.2	SMB	01/02/07	15:10
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	01/02/07	12:55
2-Chlorophenol	ND	0.002	mg/L	625	RLT	01/02/07	12:55
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	01/02/07	12:55
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	01/02/07	12:55
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	01/02/07	12:55
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	01/02/07	12:55
2-Nitrophenol	ND	0.002	mg/L	625	RLT	01/02/07	12:55
4-Nitrophenol	ND	0.005	mg/L	625	RLT	01/02/07	12:55
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	01/02/07	12:55
Phenol	ND	0.002	mg/L	625	RLT	01/02/07	12:55
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	01/02/07	12:55

* See supplementary information, attached.

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 07/19/06
Date Received: 07/14/06
Date/Time Sampled: 07/14/06 07:20
Sampled by: FW

Project ID/Location: Facility Discharge
Bi-Annual Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC03997
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysis	Date	Time
Copper	0.018	0.010	mg/L	200.7	BTH	07/18/06	20:42
Chromium	ND	0.05	mg/L	200.7	BTH	07/18/06	20:45
Arsenic	ND	0.05	mg/L	200.7	BTH	07/18/06	20:45
Nickel	0.08	0.02	mg/L	200.7	BTH	07/18/06	20:45
Zinc	0.027	0.025	mg/L	200.7	BTH	07/18/06	20:43

Quality Assurance/Quality Control

B. G. Giess

* See supplementary information, attached.

Relinquished
Relinquished by:

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: Kevin Coker

Date Reported: 11/09/06
Date Received: 11/07/06
Date/Time Sampled: 11/07/06 07:05
Sampled by: RB

Project ID/Location: Facility Discharge
Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC08933
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/08/06	17:30
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/08/06	17:30
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/08/06	17:30
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/08/06	17:30
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/08/06	17:30
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/08/06	17:30
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/08/06	17:30
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/08/06	17:30
Pentachlorophenol	0.007	0.001	mg/L	625	RLT	11/08/06	17:30
Phenol	ND	0.002	mg/L	625	RLT	11/08/06	17:30
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/08/06	17:30

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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: Kevin Coker

Date Reported: 11/22/06
Date Received: 11/10/06
Date/Time Sampled: 11/10/06 07:15
Sampled by: RB

Project ID/Location: Facility Discharge Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC09218
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	21.9	1.0	mg/L	405.1	MWS	11/10/06	15:50
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/21/06	13:45
Total Suspended Solids	77	1.0	mg/L	160.2	SMB	11/13/06	15:40
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/14/06	07:10
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/14/06	07:10
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/14/06	07:10
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/14/06	07:10
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/14/06	07:10
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/14/06	07:10
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/14/06	07:10
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/14/06	07:10
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	11/14/06	07:10
Phenol	ND	0.002	mg/L	625	RLT	11/14/06	07:10
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/14/06	07:10

Robert Thompson
Quality Assurance/Quality Control

B G Giessner Ph.D/ [illegible]
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: Kevin Coker

Date Reported: 12/04/06
Date Received: 11/17/06
Date/Time Sampled: 11/17/06 07:20
Sampled by: RB

Project ID/Location: Facility Discharge Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC09503
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	11.7	1.0	mg/L	405.1	MWS	11/17/06	16:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	11/30/06	10:25
Total Suspended Solids	80	1.0	mg/L	160.2	SMB	11/22/06	14:03
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/21/06	13:13
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/21/06	13:13
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/21/06	13:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/21/06	13:13
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/21/06	13:13
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/21/06	13:13
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/21/06	13:13
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/21/06	13:13
Pentachlorophenol	ND	0.001	mg/L	625	RLT	11/21/06	13:13
Phenol	ND	0.002	mg/L	625	RLT	11/21/06	13:13
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/21/06	13:13

RECEIVED

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: Kevin Coker

Date Reported: 12/04/06
Date Received: 11/21/06
Date/Time Sampled: 11/21/06 07:15
Sampled by: RB

Project ID/Location: Facility Discharge Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC09578

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	20.4	1.0	mg/L	405.1	MWS	11/22/06	10:30
Oil & Grease	ND	2.1	mg/L	1664A	CRM	11/30/06	10:25
Total Suspended Solids	73	1.0	mg/L	160.2	SMB	11/22/06	14:30
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	11/22/06	11:34
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/22/06	11:34
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	11/22/06	11:34
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	11/22/06	11:34
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/22/06	11:34
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/22/06	11:34
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/22/06	11:34
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/22/06	11:34
Pentachlorophenol	0.012	0.001	mg/L	625	RLT	11/22/06	11:34
Phenol	ND	0.002	mg/L	625	RLT	11/22/06	11:34
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	11/22/06	11:34

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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: Kevin Coker

Date Reported: 12/11/06
Date Received: 12/01/06
Date/Time Sampled: 12/01/06 07:20
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC09813
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	11.4	1.0	mg/L	405.1	MWS	12/01/06	11:35
Oil & Grease	ND	2.1	mg/L	1664A	CRM	12/07/06	10:00
Total Suspended Solids	110	1.0	mg/L	160.2	SMB	12/01/06	15:10
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	12/04/06	18:17
2-Chlorophenol	ND	0.002	mg/L	625	RLT	12/04/06	18:17
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	12/04/06	18:17
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	12/04/06	18:17
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	12/04/06	18:17
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	12/04/06	18:17
2-Nitrophenol	ND	0.002	mg/L	625	RLT	12/04/06	18:17
4-Nitrophenol	ND	0.005	mg/L	625	RLT	12/04/06	18:17
Pentachlorophenol	ND	0.001	mg/L	625	RLT	12/04/06	18:17
Phenol	ND	0.002	mg/L	625	RLT	12/04/06	18:17
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	12/04/06	18:17

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B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 10/05/06
Date Received: 10/03/06
Date/Time Sampled: 10/03/06 07:15
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC07238
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/04/06	16:52
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/04/06	16:52
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/04/06	16:52
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/04/06	16:52
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/04/06	16:52
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/04/06	16:52
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/04/06	16:52
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/04/06	16:52
Pentachlorophenol	0.005	0.001	mg/L	625	RLT	10/04/06	16:52
Phenol	ND	0.002	mg/L	625	RLT	10/04/06	16:52
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/04/06	16:52

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NELAP Accredited
LELAP 04023

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

ATTN: Kevin Coker

Date Reported: 10/23/06
Date Received: 10/06/06
Date/Time Sampled: 10/06/06 07:30
Sampled by: RB

Project ID/Location: Facility Discharge Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC07486
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	405.1	MWS	10/06/06	17:00
Oil & Grease	ND	2.1	mg/L	1664A	CRM	10/20/06	08:40
Total Suspended Solids	38	1.0	mg/L	160.2	SMB	10/10/06	15:30
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/06/06	17:10
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/06/06	17:10
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/06/06	17:10
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/06/06	17:10
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/06/06	17:10
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/06/06	17:10
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/06/06	17:10
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/06/06	17:10
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	10/06/06	17:10
Phenol	ND	0.002	mg/L	625	RLT	10/06/06	17:10
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/06/06	17:10

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

ARGUS ANALYTICAL, INC.
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NELAP Accredited
LELAP 04023

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

ATTN: Kevin Coker

Date Reported: 10/12/06
Date Received: 10/10/06
Date/Time Sampled: 10/10/06 07:30
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC07605
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/11/06	15:38
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/11/06	15:38
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/11/06	15:38
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/11/06	15:38
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/11/06	15:38
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/11/06	15:38
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/11/06	15:38
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/11/06	15:38
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	10/11/06	15:38
Phenol	ND	0.002	mg/L	625	RLT	10/11/06	15:38
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/11/06	15:38

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

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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: Kevin Coker

Date Reported: 10/26/06
Date Received: 10/13/06
Date/Time Sampled: 10/13/06 07:15
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC07839
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	12.0	1.0	mg/L	405.1	MWS	10/13/06	15:45
Oil & Grease	ND	2.0	mg/L	1664A	SMB	10/26/06	08:00
Total Suspended Solids	107	1.0	mg/L	160.2	SMB	10/17/06	10:35
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	10/17/06	18:53
2-Chlorophenol	ND	0.002	mg/L	625	JWH	10/17/06	18:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	10/17/06	18:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	10/17/06	18:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	10/17/06	18:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	10/17/06	18:53
2-Nitrophenol	ND	0.002	mg/L	625	JWH	10/17/06	18:53
4-Nitrophenol	ND	0.005	mg/L	625	JWH	10/17/06	18:53
Pentachlorophenol	0.003	0.001	mg/L	625	JWH	10/17/06	18:53
Phenol	ND	0.002	mg/L	625	JWH	10/17/06	18:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	10/17/06	18:53

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

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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: Kevin Coker

Date Reported: 10/31/06
Date Received: 10/20/06
Date/Time Sampled: 10/20/06 07:30
Sampled by: R. Branch

Project ID/Location: Facility Discharge
Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC08202
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.5	1.0	mg/L	405.1	MWS	10/20/06	16:00
Oil & Grease	ND	2.1	mg/L	1664A	CRM	10/30/06	12:00
Total Suspended Solids	84	1.0	mg/L	160.2	RAH	10/23/06	12:55
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	10/22/06	21:31
2-Chlorophenol	ND	0.002	mg/L	625	JWH	10/22/06	21:31
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	10/22/06	21:31
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	10/22/06	21:31
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	10/22/06	21:31
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	10/22/06	21:31
2-Nitrophenol	ND	0.002	mg/L	625	JWH	10/22/06	21:31
4-Nitrophenol	ND	0.005	mg/L	625	JWH	10/22/06	21:31
Pentachlorophenol	0.003	0.001	mg/L	625	JWH	10/22/06	21:31
Phenol	ND	0.002	mg/L	625	JWH	10/22/06	21:31
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	10/22/06	21:31

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NELAP Accredited
LELAP 04023

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

ATTN: Kevin Coker

Date Reported: 11/09/06
Date Received: 10/27/06
Date/Time Sampled: 10/27/06 07:30
Sampled by: R. Branch

Project ID/Location: Facility Discharge
Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC08484
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	21	1.0	mg/L	405.1	MWS	10/27/06	13:55
Oil & Grease	ND	2.1	mg/L	1664A	CRM	11/08/06	15:35
Total Suspended Solids	142	1.0	mg/L	160.2	RAH	11/01/06	11:30
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/30/06	17:13
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/30/06	17:13
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/30/06	17:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/30/06	17:13
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/30/06	17:13
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/30/06	17:13
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/30/06	17:13
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/30/06	17:13
Pentachlorophenol	0.001	0.001	mg/L	625	RLT	10/30/06	17:13
Phenol	ND	0.002	mg/L	625	RLT	10/30/06	17:13
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/30/06	17:13

Quality Assurance/Quality Control

R. G. Giesner, 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: Kevin Coker

Date Reported: 11/02/06
Date Received: 10/31/06
Date/Time Sampled: 10/31/06 07:15
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC08587
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	0.002	0.002	mg/L	625	RLT	11/02/06	14:07
2-Chlorophenol	ND	0.002	mg/L	625	RLT	11/02/06	14:07
2,4-Dichlorophenol	0.002	0.002	mg/L	625	RLT	11/02/06	14:07
2,4-Dimethylphenol	0.004	0.002	mg/L	625	RLT	11/02/06	14:07
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	11/02/06	14:07
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	11/02/06	14:07
2-Nitrophenol	ND	0.002	mg/L	625	RLT	11/02/06	14:07
4-Nitrophenol	ND	0.005	mg/L	625	RLT	11/02/06	14:07
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	11/02/06	14:07
Phenol	ND	0.002	mg/L	625	RLT	11/02/06	14:07
2,4,6-Trichlorophenol	0.002	0.002	mg/L	625	RLT	11/02/06	14:07

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 09/12/06
Date Received: 09/08/06
Date/Time Sampled: 09/06/06 08:00
Sampled by: RLB

Project ID/Location: Facility Discharge Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC06247

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/08/06	18:24
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/08/06	18:24
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/08/06	18:24
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/08/06	18:24
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/08/06	18:24
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/08/06	18:24
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/08/06	18:24
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/08/06	18:24
Pentachlorophenol	ND	0.001	mg/L	625	RLT	09/08/06	18:24
Phenol	ND	0.002	mg/L	625	RLT	09/08/06	18:24
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/08/06	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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 09/14/06
Date Received: 09/08/06
Date/Time Sampled: 09/08/06 07:15
Sampled by: RLB

Project ID/Location: Facility Discharge
Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC06246
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.3	1.0	mg/L	405.1	MWS	09/08/06	15:15
Oil & Grease	ND	2.1	mg/L	1664A	CRM	09/13/06	14:40
Total Suspended Solids	19	1.0	mg/L	160.2	SMB	09/12/06	14:50
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/08/06	17:56
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/08/06	17:56
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/08/06	17:56
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/08/06	17:56
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/08/06	17:56
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/08/06	17:56
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/08/06	17:56
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/08/06	17:56
Pentachlorophenol	ND	0.001	mg/L	625	RLT	09/08/06	17:56
Phenol	ND	0.002	mg/L	625	RLT	09/08/06	17:56
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/08/06	17:56

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

ARGUS ANALYTICAL, INC.
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Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 09/21/06
Date Received: 09/15/06
Date/Time Sampled: 09/15/06 09:00
Sampled by: F. Wilson

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC06542
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	3.0	1.0	mg/L	405.1	MWS	09/15/06	14:50
Total Suspended Solids	16	1.0	mg/L	160.2	SMB	09/20/06	14:45
Oil & Grease	ND	2.0	mg/L	1664A	CRM	09/19/06	15:00
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/18/06	18:58
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/18/06	18:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/18/06	18:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/18/06	18:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/18/06	18:58
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/18/06	18:58
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/18/06	18:58
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/18/06	18:58
Pentachlorophenol	ND	0.001	mg/L	625	RLT	09/18/06	18:58
Phenol	ND	0.002	mg/L	625	RLT	09/18/06	18:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/18/06	18:58

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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 09/20/06
Date Received: 09/19/06
Date/Time Sampled: 09/19/06 07:30
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC06626
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/20/06	12:45
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/20/06	12:45
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/20/06	12:45
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/20/06	12:45
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/20/06	12:45
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/20/06	12:45
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/20/06	12:45
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/20/06	12:45
Pentachlorophenol	0.006	0.001	mg/L	625	RLT	09/20/06	12:45
Phenol	ND	0.002	mg/L	625	RLT	09/20/06	12:45
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/20/06	12:45

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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 10/02/06
Date Received: 09/22/06
Date/Time Sampled: 09/22/06 07:30
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC06848
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	405.1	MWS	09/22/06	11:20
Oil & Grease	ND	2.1	mg/L	1664A	CRM	09/29/06	08:25
Total Suspended Solids	38	1.0	mg/L	160.2	SMB	09/27/06	12:40
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/25/06	15:57
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/25/06	15:57
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/25/06	15:57
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/25/06	15:57
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/25/06	15:57
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/25/06	15:57
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/25/06	15:57
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/25/06	15:57
Pentachlorophenol	0.161	0.001	mg/L	625	RLT	09/25/06	15:57
Phenol	ND	0.002	mg/L	625	RLT	09/25/06	15:57
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/25/06	15:57

Robert Thompson
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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 10/02/06
Date Received: 09/26/06
Date/Time Sampled: 09/26/06 07:30
Sampled by: R. Branch

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC06966
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Ammonia (as N)	2.79	0.1	mg/L	350.1	MEW	10/02/06	10:57
Biochemical Oxygen Demand	2460	1.0	mg/L	405.1	MWS	09/27/06	10:50
Total Kjeldahl Nitrogen	19.8	0.1	mg/L	351.1	MEW	09/29/06	13:15
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	09/26/06	23:56
2-Chlorophenol	ND	0.002	mg/L	625	RLT	09/26/06	23:56
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	09/26/06	23:56
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	09/26/06	23:56
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	09/26/06	23:56
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	09/26/06	23:56
2-Nitrophenol	ND	0.002	mg/L	625	RLT	09/26/06	23:56
4-Nitrophenol	ND	0.005	mg/L	625	RLT	09/26/06	23:56
Pentachlorophenol	0.007	0.001	mg/L	625	RLT	09/26/06	23:56
Phenol	ND	0.002	mg/L	625	RLT	09/26/06	23:56
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	09/26/06	23:56

Robert Thompson

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

ARGUS ANALYTICAL, INC.
235 Highpoint Drive
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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 10/05/06
Date Received: 09/29/06
Date/Time Sampled: 09/29/06 07:30
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC07147
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.9	1.0	mg/L	405.1	MWS	09/29/06	15:55
Oil & Grease	ND	2.0	mg/L	1664A	CRM	10/05/06	11:25
Total Suspended Solids	21	1.0	mg/L	160.2	SMB	10/02/06	16:10
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	10/02/06	19:47
2-Chlorophenol	ND	0.002	mg/L	625	RLT	10/02/06	19:47
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	10/02/06	19:47
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	10/02/06	19:47
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	10/02/06	19:47
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	10/02/06	19:47
2-Nitrophenol	ND	0.002	mg/L	625	RLT	10/02/06	19:47
4-Nitrophenol	ND	0.005	mg/L	625	RLT	10/02/06	19:47
Pentachlorophenol	0.004	0.001	mg/L	625	RLT	10/02/06	19:47
Phenol	ND	0.002	mg/L	625	RLT	10/02/06	19:47
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	10/02/06	19:47

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

MP1

ARGUS ANALYTICAL, INC.
235 Highpoint Drive
Ridgeland, Mississippi 39157
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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 08/14/06
Date Received: 08/04/06
Date/Time Sampled: 08/04/06 07:30
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC04898
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	8.1	1.0	mg/L	405.1	MWS	08/04/06	15:15
Oil & Grease	ND	6.7	mg/L	1664A	CRM	08/10/06	14:20
Total Suspended Solids	36	1.0	mg/L	160.2	SMB	08/08/06	14:10
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/04/06	15:50
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/04/06	15:50
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/04/06	15:50
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/04/06	15:50
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/04/06	15:50
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/04/06	15:50
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/04/06	15:50
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/04/06	15:50
Pentachlorophenol	0.078	0.001	mg/L	625	RLT	08/04/06	15:50
Phenol	ND	0.002	mg/L	625	RLT	08/04/06	15:50
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/04/06	15:50

Janet Hunter
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
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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 08/09/06
Date Received: 08/08/06
Date/Time Sampled: 08/08/06 07:45
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC04978
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/08/06	18:13
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/08/06	18:13
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/08/06	18:13
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/08/06	18:13
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/08/06	18:13
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	08/08/06	18:13
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/08/06	18:13
4-Nitrophenol	ND	0.006	mg/L	625	RLT	08/08/06	18:13
Pentachlorophenol	ND	0.001	mg/L	625	RLT	08/08/06	18:13
Phenol	ND	0.002	mg/L	625	RLT	08/08/06	18:13
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/08/06	18:13

EMIS
8-14-06
RR

TUES. AUG. 8 '06

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 08/16/06
Date Received: 08/11/06
Date/Time Sampled: 08/11/06 08:45
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC05163
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	9.9	1.0	mg/L	405.1	MWS	08/11/06	14:20
Oil & Grease	ND	2.0	mg/L	1664A	CRM	08/15/06	14:00
Total Suspended Solids	267	1.0	mg/L	160.2	SMB	08/11/06	15:10
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/14/06	14:22
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/14/06	14:22
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/14/06	14:22
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/14/06	14:22
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/14/06	14:22
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/14/06	14:22
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/14/06	14:22
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/14/06	14:22
Pentachlorophenol	0.004	0.001	mg/L	625	RLT	08/14/06	14:22
Phenol	ND	0.002	mg/L	625	RLT	08/14/06	14:22
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/14/06	14:22

Robert Thompson
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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 08/17/06
Date Received: 08/15/06
Date/Time Sampled: 08/15/06 08:40
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC05258
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/16/06	16:52
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/16/06	16:52
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/16/06	16:52
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/16/06	16:52
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/16/06	16:52
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/16/06	16:52
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/16/06	16:52
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/16/06	16:52
Pentachlorophenol	ND	0.001	mg/L	625	RLT	08/16/06	16:52
Phenol	ND	0.002	mg/L	625	RLT	08/16/06	16:52
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/16/06	16:52

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

MP1

ARGUS ANALYTICAL, INC.
235 Highpoint Drive
Ridgeland, Mississippi 39157
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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 08/25/06
Date Received: 08/18/06
Date/Time Sampled: 08/18/06 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC05421
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.6	1.0	mg/L	405.1	MWS	08/18/06	13:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	08/21/06	14:30
Total Suspended Solids	54	1.0	mg/L	160.2	SMB	08/22/06	14:07
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/21/06	17:42
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/21/06	17:42
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/21/06	17:42
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/21/06	17:42
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/21/06	17:42
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/21/06	17:42
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/21/06	17:42
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/21/06	17:42
Pentachlorophenol	ND	0.001	mg/L	625	RLT	08/21/06	17:42
Phenol	ND	0.002	mg/L	625	RLT	08/21/06	17:42
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/21/06	17:42

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

MP1

ARGUS ANALYTICAL, INC.
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Telephone: 601/957-2676 FAX: 601/957-1887

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 08/24/06
Date Received: 08/22/06
Date/Time Sampled: 08/22/06 07:20
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC05492
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/23/06	14:58
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/23/06	14:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/23/06	14:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/23/06	14:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/23/06	14:58
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/23/06	14:58
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/23/06	14:58
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/23/06	14:58
Pentachlorophenol	ND	0.001	mg/L	625	RLT	08/23/06	14:58
Phenol	ND	0.002	mg/L	625	RLT	08/23/06	14:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/23/06	14:58

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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 09/01/06
Date Received: 08/25/06
Date/Time Sampled: 08/25/06 07:15
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC05681
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	19.5	1.0	mg/L	405.1	MWS	08/25/06	14:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	08/31/06	08:15
Total Suspended Solids	682	1.0	mg/L	160.2	JWH	08/29/06	16:30
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/28/06	12:16
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/28/06	12:16
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/28/06	12:16
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/28/06	12:16
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/28/06	12:16
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/28/06	12:16
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/28/06	12:16
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/28/06	12:16
Pentachlorophenol	ND	0.001	mg/L	625	RLT	08/28/06	12:16
Phenol	ND	0.002	mg/L	625	RLT	08/28/06	12:16
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/28/06	12:16

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

MP1

* See supplementary information, attached.

ARGUS ANALYTICAL, INC.
235 Highpoint Drive
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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 08/30/06
Date Received: 08/29/06
Date/Time Sampled: 08/29/06 07:15
Sampled by: RB

Project Number:

Project ID/Location: Facility Discharge Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC05799
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	08/29/06	17:51
2-Chlorophenol	ND	0.002	mg/L	625	RLT	08/29/06	17:51
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	08/29/06	17:51
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	08/29/06	17:51
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	08/29/06	17:51
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	08/29/06	17:51
2-Nitrophenol	ND	0.002	mg/L	625	RLT	08/29/06	17:51
4-Nitrophenol	ND	0.005	mg/L	625	RLT	08/29/06	17:51
Pentachlorophenol	ND	0.001	mg/L	625	RLT	08/29/06	17:51
Phenol	ND	0.002	mg/L	625	RLT	08/29/06	17:51
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	08/29/06	17:51

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

MP1

ARGUS ANALYTICAL, INC.
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NELAP Accredited
LELAP 04023

RECEIVED
AUG 2006

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 07/07/06
Date Received: 07/05/06
Date/Time Sampled: 07/05/06 07:30
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC03549
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/07/06	14:53
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/07/06	14:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/07/06	14:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/07/06	14:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/07/06	14:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/07/06	14:53
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/07/06	14:53
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/07/06	14:53
Pentachlorophenol	ND	0.001	mg/L	625	RLT	07/07/06	14:53
Phenol	ND	0.002	mg/L	625	RLT	07/07/06	14:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/07/06	14:53

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

MP1

Koppers Company 1 Koppers Drive Tie Plant MS 38960
Outfall: 001 Location: Facility Discharge

ARGUS ANALYTICAL, INC.
235 HIGHPOINT DRIVE
RIDGELAND, MS 39157

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

S
T(W) LC:
KOP_01W

Cooler:

Site No: 222
dmps: ---
coc_r10
Kop_001_W
U:03/06/06 P:03/06/06 09:38:42

Contact: Kevin Coker FAX: 226-4588
Farrell Wilson 226-4584 11

Action by ARGUS: Pick up Sample, drop off kit

Comments:
Pick up sample & drop off kit on Tuesdays.

Include custody seals in all kits.
Rush - PCP - 48 hours.

Field Readings:

	Sample description	Sampled by	Sampling Date	Sampling Time	Container/Preservative	Qnty	C G	Parameters	Lab Use
1	~~Weekly 001~~				~~500 ml Plastic / None~~	~~1~~	~~G~~	~~BOD - [illegible]~~	
1	~~Weekly 001~~				~~1000 ml Glass / HCl~~	~~1~~	~~G~~	~~Oil & Grease~~	
1	Weekly 001	FW	7-5-06	730am	1000 ml Glass / None	1	G	Phenols (625)	CC03549

	Person	Date/Time		Person	Date/Time
Relinquished by:	Farrell Wilson	7-5-06/800am	Received by:	Chauncy Smith	7/5/06 11:33
Relinquished by:	Chauncy Smith	7/5/06 13:10	Received by:	Shea Wilson	7/5/06 13:40

Cooler Receipt Check List

Argus Analytical, Inc.

Sample Number(s): CC03549

Date Opened: 7/5/06

Opened by: SW

Client: Koppers Company

	If checked, refer to the "Sample Receipt - Notification of Deviation" (Form F008, attached).
	Per previous discussion with the client, thermal preservation not required, and Deviation Notification not required.

Login Checked by: JM

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Temperature when opened: 4°(ice) Ambient Measured (1): ____

Type of wrapping material: None Peanuts Bubblewrap Paper Other

(1) Not required if hand delivered the day sampled and if at least 50% ice is present.

Cooler custody seals intact? n/a Y/N Signed & dated? Y/N

Container custody seals intact? n/a Y/N

COC papers received? Y/N

COC papers properly filled in (signed in ink)? Y/N

Receipt properly noted on COC? Y/N

Container labels correspond to the COC? Y/N

All containers intact (not broken)? Y/N

Correct containers/preservatives used? Y/N

Container labels filled in? Y/N

Samples received within holding times? Y/N

Short HT tests: BOD Br Color Cr6 DimMet DO Fecal MBAS Nitrate or Nitrite OrP pH SS Sulfite TCB/TPC TRC Turb

Lab Notified:

Were Trip Blanks rec'd with VOAs? n/a Y/N

VOA vials - headspace detected? Y/N

If headspace detected, < 0.25" dia? Y/N

VOA soils - 5035 compliance criteria met? n/a Y/N (if met, circle the applicable method, below)

High concentration jar (48 hr)

High concentration pre-weighed vial (methanol - 14 d)

Low conc EnCor samplers (48 hr)

Low conc pre-weighed vials (sodium bisulfate - 14 d)

Lab Notified (date, time, initials): ____________

For further information concerning this project, refer to the following attachments which are considered part of the final report. These attachments provide additional information on topics such as method modifications or NELAP accreditation.

Cooler Receipt Check List (always attached)
Sample Receipt - Notification of Deviation (optional)
Supplementary Report Information (always attached)
Case Narrative (optional)

Comments:

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 07/24/06
Date Received: 07/14/06
Date/Time Sampled: 07/14/06 07:20
Sampled by: FW

Project ID/Location: Facility Discharge
Weekly Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC03996
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	405.1	MWS	07/14/06	16:05
Oil & Grease	ND	2.2	mg/L	1664A	CRM	07/21/06	09:30
Total Suspended Solids	21	1.0	mg/L	160.2	SMB	07/20/06	10:00
Phenols							
4-Chloro-3-methylphenol	ND	0.004	mg/L	625	RLT	07/18/06	15:29
2-Chlorophenol	ND	0.004	mg/L	625	RLT	07/18/06	15:29
2,4-Dichlorophenol	ND	0.004	mg/L	625	RLT	07/18/06	15:29
2,4-Dimethylphenol	ND	0.004	mg/L	625	RLT	07/18/06	15:29
4,6-Dinitro-2-methylphenol	ND	0.002	mg/L	625	RLT	07/18/06	15:29
2,4-Dinitrophenol	ND	0.011	mg/L	625	RLT	07/18/06	15:29
2-Nitrophenol	ND	0.004	mg/L	625	RLT	07/18/06	15:29
4-Nitrophenol	ND	0.011	mg/L	625	RLT	07/18/06	15:29
Pentachlorophenol	1.27	0.002	mg/L	625	RLT	07/18/06	15:29
Phenol	ND	0.004	mg/L	625	RLT	07/18/06	15:29
2,4,6-Trichlorophenol	ND	0.004	mg/L	625	RLT	07/18/06	15:29

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

Koppers Company
1 Koppers Drive
Tie Plant MS 38960

Outfall: 001
Location: **Facility Discharge**

ARGUS ANALYTICAL, INC.
235 HIGHPOINT DRIVE
RIDGELAND, MS 39157

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

S
T(W) LC: KOP_01W

Cooler:

Site No: 222
dmps: ---
coc_r10
Kop_001_W
U:03/06/06 P:03/06/06 09:38:42

Contact: Kevin Coker FAX: 226-4588
Farrell Wilson 226-4584 11

Action by ARGUS: Pick up Sample, drop off kit

Comments:
Pick up sample & drop off kit on Tuesdays.

Include custody seals in all kits.
Rush - PCP - 48 hours.

Field Readings:

	Sample description		Sampled by	Sampling Date	Sampling Time	Container/Preservative	Qnty	C G	Parameters	Lab Use
1	Weekly	001	FW	7-14-06	720am	500 ml Plastic / None	1	C	BOD TSS	CC03996
1	Weekly	001	FW	7-14-06	720am	1000 ml Glass / HCl	1	G	Oil & Grease	
1	Weekly	001	FW	7-14-06	720am	1000 ml Glass / None	1	G	Phenols (625)	

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AUG 2006

	Person	Date/Time		Person	Date/Time
Relinquished by:	Farrell Wilson	7-14-06/730am	Received by:	[illegible]	7-14-06/1:30
Relinquished by:	[illegible]	7-14-06 1:00	Received by:	[illegible]	7-14-06 13:23

Koppers Company
1 Koppers Drive
Tie Plant MS 38960

Outfall: 001
Location: **Facility Discharge**

ARGUS ANALYTICAL, INC.
235 HIGHPOINT DRIVE
RIDGELAND, MS 39157

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

S
T(W) LC:
KOP_01B

Cooler:

Site No: 222
dmps: ---
coc_r10
Kop_001_W
U:03/06/06 P:03/06/06 09:38:47

FAX: 226-4588
Contact: Kevin Coker 226-4584 11
Farrell Wilson

Action by ARGUS: Pick up Sample, drop off kit

Comments:
Pick up sample & drop off kit on Tuesdays.

Include custody seals in all kits.

Field Readings:

	Sample description	Sampled by	Sampling Date	Sampling Time	Container/Preservative	Qnty	CG	Parameters	Lab Use
1	**Bi-Annual 001**	FW	7-11-06	7:20am	250 ml Plastic / HNO3	1	C	Cu Cr As Ni Zn	CC03997

	Person	Date/Time		Person	Date/Time
Relinquished by:	Farrell Wilson	7-11-06/7:20am	Received by:	Ray [illegible]	7-14-06 4:30
Relinquished by:	Ray [illegible]	7-14-06 1:00	Received by:	Shea Wilson	7-14-06 13:23

Cooler Receipt Check List

Argus Analytical, Inc.

Sample Number(s): CC03996-97

Date Opened: 7-14-06

Opened by: SW

Client: Koppers Company

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	If checked, refer to the "Sample Receipt - Notification of Deviation" (Form F008, attached).
	Per previous discussion with the client, thermal preservation not required, and Deviation Notification not required.

Login Checked by: 2

Temperature when opened: 4°(ice) Ambient Measured (1): ____ (1) Not required if hand delivered the day sampled and if at least 50% ice is present.

Type of wrapping material: None Peanuts Bubblewrap Paper Other

Cooler custody seals intact? n/a Y/N Signed & dated? Y/N

Container custody seals intact? n/a Y/N

COC papers received? Y/N Receipt properly noted on COC? Y/N

COC papers properly filled in (signed in ink)? Y/N Container labels correspond to the COC? Y/N

All containers intact (not broken)? Y/N Samples received within holding times? Y/N

Correct containers/preservatives used? Y/N Short HT tests: BOD Br Color Cr6 DissMet DO Fecal

Container labels filled in? Y/N MBAS Nitrate or Nitrite OrP pH SS Sulfite

TCB/TPC TRC Turb

Were Trip Blanks rec'd with VOAs? Y/N Lab Notified: @ 13:35

VOA vials - headspace detected? n/a Y/N

If headspace detected, < 0.25" dia? Y/N

VOA soils - 5035 compliance criteria met? n/a Y/N (if met, circle the applicable method, below)

High concentration jar (48 hr) Low conc EnCor samplers (48 hr)

High concentration pre-weighed vial (methanol - 14 d) Low conc pre-weighed vials (sodium bisulfate - 14 d)

Lab Notified (date, time, initials): ____________

For further information concerning this project, refer to the following attachments which are considered part of the final report. These attachments provide additional information on topics such as method modifications or NELAP accreditation.

Cooler Receipt Check List (always attached) Supplementary Report Information (always attached)
Sample Receipt - Notification of Deviation (optional) Case Narrative (optional)

Comments: ____________

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 07/20/06
Date Received: 07/18/06
Date/Time Sampled: 07/18/06 08:30
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC04082
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/19/06	18:58
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/19/06	18:58
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/19/06	18:58
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/19/06	18:58
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/19/06	18:58
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/19/06	18:58
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/19/06	18:58
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/19/06	18:58
Pentachlorophenol	0.200	0.001	mg/L	625	RLT	07/19/06	18:58
Phenol	ND	0.002	mg/L	625	RLT	07/19/06	18:58
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/19/06	18:58

Robert Thompson
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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 07/28/06
Date Received: 07/27/06
Date/Time Sampled:
Sampled by: RR

Project ID/Location: Control Sample
Weekly Requirements

Project Number:

Sample Description: Pump Tank
Sample Matrix: WATER

Sample Number: CC04461
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/27/06	19:21
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/27/06	19:21
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/27/06	19:21
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/27/06	19:21
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/27/06	19:21
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/27/06	19:21
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/27/06	19:21
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/27/06	19:21
Pentachlorophenol	0.010	0.001	mg/L	625	RLT	07/27/06	19:21
Phenol	ND	0.002	mg/L	625	RLT	07/27/06	19:21
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	07/27/06	19:21

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

MP1

Koppers Company 1 Koppers Drive Tie Plant MS 38960
Outfall: 001 Location: **Facility Discharge**

ARGUS ANALYTICAL, INC.
235 HIGHPOINT DRIVE
RIDGELAND, MS 39157

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

S
T(W) LC:
KOP_01W

Cooler: 1103

Site No: 222
dmps: ---
coc_r10
Kop_001_W

Contact: Kevin Coker FAX: 226-4588
Farrell Wilson 226-4584 11 Action by ARGUS: Pick up Sample, drop off kit

U:03/06/06 P:03/06/06 09:38:42

Comments:
Pick up sample & drop off kit on Tuesdays.

Include custody seals in all kits.
Rush - PCP - 48 hours.

Field Readings:

	Sample description		Sampled by	Sampling Date	Sampling Time	Container/Preservative	Qnty	C G	Parameters	Lab Use
1	Weekly	001	—	—	—	500 ml Plastic / None	1	C	BOD TSS	
1	Weekly	001	—	—	—	1000 ml Glass / HCl	1	G	Oil & Grease	
1	Weekly	001				1000 ml Glass / None	1	G	Phenols (625) + PCP	CC04461

Control sample
pump tank

	Person	Date/Time		Person	Date/Time
Relinquished by:	[illegible]	July 27, 06 10:35 Am	Received by:	Shea Wilson	7-27-06 10:35
Relinquished by:			Received by:		

(I delivered)

Cooler Receipt Check List

Argus Analytical, Inc.

Sample Number(s): CC04461

Date Opened: 7-27-06

Opened by: SW

Client: Koppers Company

	If checked, refer to the "Sample Receipt - Notification of Deviation" (Form F008, attached).
	Per previous discussion with the client, thermal preservation not required, and Deviation Notification **not** required.

Login Checked by: JM

Temperature when opened:	4°(ice) Ambient Measured (1): ____		(1) Not required if hand delivered the day sampled and if at least 50% ice is present.
Type of wrapping material:	None Peanuts Bubblewrap Paper Other		
Cooler **custody seals** intact?	n/a Y/N	Signed & dated?	Y/N
Container custody seals intact?	n/a Y/N		
COC papers received?	Y/N	Receipt properly noted on COC?	Y/N
COC papers properly filled in (signed in ink)?	Y/N	Container labels correspond to the COC?	Y/N
All **containers** intact (not broken)?	Y/N	Samples received within **holding times**?	Y/N
Correct containers/preservatives used?	Y/N	Short HT tests:	BOD Br Color Cr6 DissMet DO Fecal MBAS Nitrate or Nitrite OrP pH SS Sulfite TCB/TPC TRC Turb
Container labels filled in?	Y/N		
Were Trip Blanks rec'd with VOAs?	Y/N	Lab Notified:	
VOA vials - headspace detected?	n/a Y/N		
If headspace detected, < 0.25" dia?	Y/N		
VOA soils - 5035 compliance criteria met?	n/a Y/N	(if met, circle the applicable method, below)	
High concentration jar (48 hr)		Low conc EnCor samplers (48 hr)	
High concentration pre-weighed vial (methanol - 14 d)		Low conc pre-weighed vials (sodium bisulfate - 14 d)	
Lab Notified (date, time, initials): ____			

For further information concerning this project, refer to the following attachments which are considered part of the final report. These attachments provide additional information on topics such as method modifications or NELAP accreditation.

- Cooler Receipt Check List (always attached)
- Sample Receipt - Notification of Deviation (optional)
- Supplementary Report Information (always attached)
- Case Narrative (optional)

Comments:

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

Site Name: Koppers Industries 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: -------------------------6/28/06
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
N SLUDGE DISPOSAL	S OPERATIONS & MAINTENANCE
N COMPLIANCE SCHEDULES	

S-Satisfactory **M**-Marginal **U**-Unsatisfactory **N**-Not Evaluated

COMMENTS: Koppers Industries treats railroad cross ties and bridge timber using creosote and utility poles using pentachlorophenol (pcp). There are two pcp cylinders and 3 creosote cylinders.

Wood is steam conditioned prior to and after treatment. Codensates from wood conditioning, rainwater falling on the drip pad, tank farm and maintenance shop containment areas and equipment wash water is collected and treated in an on-site wastewater treatment system and then discharged to the Grenada POTW. Treatment process includes oil-water separators (3), pH adjustment, folcculation, coagulation, Aeration basin (digester) where bacteria converts contaminants into mass, clarification, holding tank and discharge.

Discharge Monitoring Reports (DMR), pH logs and discharge logs and sampling logs were kept on file.

Signature: [signature]

Date: 10-4-06

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

Site Name: Koppers Industries 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: -------------------------6/28/06
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
N SLUDGE DISPOSAL	S OPERATIONS & MAINTENANCE
N COMPLIANCE SCHEDULES	

S-Satisfactory **M**-Marginal **U**-Unsatisfactory **N**-Not Evaluated

COMMENTS: Koppers Industries treats railroad cross ties and bridge timber using creosote and utility poles using pentachlorophenol (pcp). There are two pcp cylinders and 3 creosote cylinders.

Wood is steam conditioned prior to and after treatment. Codensates from wood conditioning, rainwater falling on the drip pad, tank farm and maintenance shop containment areas and equipment wash water is collected and treated in an on-site wastewater treatment system and then discharged to the Grenada POTW. Treatment process includes oil-water separators (3), pH adjustment, folcculation, coagulation, Aeration basin (digester) where bacteria converts

contaminants into mass, clarification, holding tank and discharge.

Discharge Monitoring Reports (DMR), pH logs and discharge logs and sampling logs were kept on file.

Signature: ____________________

Date: 8-17-06

ADDRESS

FACILITY

LOCATION

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

Form Approved.
OMB No. 2040-00

PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY
FROM			
TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/180	24
	PERMIT REQUIREMENT	REPORT ANNL AVG	0.131 ANNL MAX		******	REPORT ANNL AVG	0.45 ANNL MAX			SEMI-ANNUAL	
	SAMPLE MEASUREMENT	0.013	0.013			0.08	0.08		0	1/180	24
	PERMIT REQUIREMENT	REPORT ANNL AVG	REPORT ANNL MAX		******	REPORT ANNL AVG	REPORT ANNL MAX			SEMI-ANNUAL	
	SAMPLE MEASUREMENT	0.004	0.004			0.027	0.027		0	1/180	24
	PERMIT REQUIREMENT	REPORT ANNL AVG	REPORT ANNL MAX		******	REPORT ANNL AVG	REPORT ANNL MAX			SEMI-ANNUAL	
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/180	24
	PERMIT REQUIREMENT	REPORT ANNL AVG	168 ANNL MAX		******	REPORT ANNL AVG	4.0 ANNL MAX			SEMI-ANNUAL	
	SAMPLE MEASUREMENT	0.003	0.003			0.018	0.018		0	1/180	24
	PERMIT REQUIREMENT	REPORT ANNL AVG	842 ANNL MAX		******	REPORT ANNL AVG	2.2 ANNL MAX			SEMI-ANNUAL	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

RECEIVED JAN 2007

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

VANCE R. HASKIN
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.

Vance R. Haskin

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	NUMBER	DATE YEAR	MO	DAY
662	226 4584	07	01	23

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

3320-1 (Rev. 3/99) Previous editions may be used.

This is a 4-part form.

PERMITTEE NAME/ADDRESS

NAME

ADDRESS

FACILITY

LOCATION

DISCHARGE MONITORING REPORT (DMR)

OMB No. 2040-0004

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	1.3	2.3			10.1	17.1		0	1/7	24
	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT				7.7		8.9		0	2/7	GR
	PERMIT REQUIREMENT	******	******		5.5 MINIMUM	******	7.5 MAXIMUM	SU		TWICE/WEEK	GRAB
	SAMPLE MEASUREMENT	9.3	14.5			71	123		0	1/7	24
	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	REPORT MO AVG	27.2 DAILY MX		******	REPORT MO AVG	100 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0003	0.0008			0.003	0.007		0	1/7	GR
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX		******	0.18 MO AVG	0.36 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX		******	3 MO AVG	6 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0131	0.0218						0	99/99	TM
	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX		******	******	******			DAILY	

RECEIVED JAN 2007

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE	TELEPHONE		DATE		
VANCE R. HASKIN PLANT MANAGER	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	662	226 4584	07	01	23
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location If Different)*

NAME

ADDRESS

FACILITY

LOCATION

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

OMB No. 2040-0004

PERMIT NUMBER | DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	2.8	4.5			17.4	21.9		0	1/7	24
	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX	MG/L		WEEKLY COMP 24	
	SAMPLE MEASUREMENT				8.2		8.8		0	2/7	GR
	PERMIT REQUIREMENT	******	******		5.5 MINIMUM	******	7.5 MAXIMUM	SU		TWICE/ WEEK	
	SAMPLE MEASUREMENT	12.6	16.9			85	110		0	1/7	24
	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX	MG/L		WEEKLY COMP 24	
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX		******	REPORT MO AVG	100 DAILY MX	MG/L		WEEKLY GRAB	
	SAMPLE MEASUREMENT	0.0006	0.0017			0.0037	0.0120		0	1/7	GR
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX		******	0.18 MO AVG	0.36 DAILY MX	MG/L		WEEKLY GRAB	
	SAMPLE MEASUREMENT	0.0001	0.0004			0.0003	0.0020		0	1/7	GR
	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX			3 MO AVG	6 DAILY MX	MG/L		WEEKLY GRAB	
	SAMPLE MEASUREMENT	0.0171	0.0330						0	99/99	TM
	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX			******	******			DAILY	

RECEIVED DEC 2006

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

VANCE R. HASKIN
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.

Vance R. Haskin

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
662	226 4584	06	12	15
AREA CODE	NUMBER	YEAR	MO	DAY

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location (If Different)*

NAME

ADDRESS

FACILITY

LOCATION

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

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	1.7	3.4			11.8	21,0		0	1/7	24
	PERMIT REQUIREMENT	MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX			WEEKLY	
	SAMPLE MEASUREMENT				7,2		8.9		0	2/7	GR
	PERMIT REQUIREMENT	******	******		MINIMUM	******	MAXIMUM			WEEK	
	SAMPLE MEASUREMENT	13	23,2			92.8	142		0	1/7	24
	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX			WEEKLY	
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	REPORT MO AVG	DAILY MX		******	REPORT MO AVG	100 DAILY MX			WEEKLY	
	SAMPLE MEASUREMENT	0.0003	0.0006			0.0026	0.005		0	1/7	GR
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX		******	0.18 MO AVG	0.36 DAILY MX			WEEKLY	
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	MO AVG	DAILY MX			MO AVG	DAILY MX				
	SAMPLE MEASUREMENT	0.0187	0.0296						0	99/99	TM
	PERMIT REQUIREMENT	REPORT MO AVG	DAILY MX			******	******			DAILY	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

VANCE R. HASKIN
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.

RECEIVED NOV 2006

Vance R. Haskin

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
662	226 4584	06	11	13

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

EPA Form 3320-1 ... itions may be used.

This is a 4-part form.

NAME

ADDRESS

FACILITY

LOCATION

DISCHARGE MONITORING REPORT *(DMR)*

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

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	UNITS			
	SAMPLE MEASUREMENT	0.8	1.3			4.7	6.9		0	1/7	24
	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX			WEEKLY COMP 24	
	SAMPLE MEASUREMENT				7.8		8.5		0	2/7	GR
	PERMIT REQUIREMENT	******	******		MINIMUM	******	9.5 MAXIMUM			TWICE/ WEEK	
	SAMPLE MEASUREMENT	4.2	8.8			23.5	38		0	1/7	24
	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX			WEEKLY COMP 24	
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX		******	REPORT MO AVG	100 DAILY MX			WEEKLY GRAB	
	SAMPLE MEASUREMENT	0.0056	0.0371			0.0254	0.161		0	1/7(2/7)	GR
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX		******	0.18 MO AVG	0.36 DAILY MX			WEEKLY GRAB	
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7(2/7)	GR
	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX			3 MO AVG	6 DAILY MX			WEEKLY GRAB	
	SAMPLE MEASUREMENT	0.0147	0.0323						0	CONT.	N/A
	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX			******	******			DAILY	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
VANCE R. HASKIN PLANT MANAGER	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	662	226 4584	06	10	06
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

RECEIVED OCT 2006

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

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

F - FINAL

TOTAL FACILITY DISCHARGE

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	1.8	2.9			11.0	19.5		0	1/7	24HC
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX	LBS/DY	******	240 MO AVG	480 DAILY MX	MG/L		WEEKLY	COMP 24
	SAMPLE MEASUREMENT				7.2		8.5		0	2/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******		6.5 MINIMUM	******	9.5 MAXIMUM	SU		TWICE/WEEK	GRAB
SUSPENDED	SAMPLE MEASUREMENT	39.3	99.3			254.8	662.0		1	1/7	24HC
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX	LBS/DY	******	300 MO AVG	600 DAILY MX	MG/L		WEEKLY	COMP 24
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX	LBS/DY	******	REPORT MO AVG	100 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0026	0.0199			0.0103	0.0780		0	2/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX	LBS/DY	******	0.18 MO AVG	0.36 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	2/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX		******	3 MO AVG	6 DAILY MX	MG/L		WEEKLY	GRAB
THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.161	0.0306						0	Daily	CONT.
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX	MGD		******	******			DAILY	CONT

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
VANCE HASKIN PLANT MANAGER	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]	662	226-4584	06	09	08
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

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

RECEIVED SEP 2006

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

NAME

ADDRESS

FACILITY

LOCATION

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

OMB No. 2040-0004

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	0.5 ~~0.8~~	0.5 ~~2.8~~			5.1	5.1		0	1/7	24HC
	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT				7.8		8.3		0	2/7	GR
	PERMIT REQUIREMENT	******	******		MINIMUM	******	MAXIMUM			TWICE/WEEK	GRAB
	SAMPLE MEASUREMENT	2.0 ~~3.3~~	2.0 ~~3.3~~			21	21.		0	1/7	24HC
	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX		******	REPORT MO AVG	100 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0365 ~~0.0584~~	0.1217 ~~0.2010~~			0.37	1.27		3 ~~4~~	2/7	GR
	PERMIT REQUIREMENT	0.058 MO AVG	0.105 DAILY MX		******	0.18 MO AVG	0.36 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	2/7	GR
	PERMIT REQUIREMENT	0.88 MO AVG	1.76 DAILY MX		******	3 MO AVG	6 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0053	0.0191						0	99/99	CM
	PERMIT REQUIREMENT	REPORT MO AVG	DAILY MX		******	******				DAILY	CONTIN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
VANCE HASKIN PLANT MANAGER	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]	662	226 4584	06	08	15
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

RECEIVED AUG 2006

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

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

OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/Location If Different)*

NAME

ADDRESS

FACILITY

LOCATION

PERMIT NUMBER

DISCHARGE NUMBER

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	1.6 ~~4.5~~	3.4			10.3	25.5		0	1/7	24HC
	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT				6.8		8.2		0	2/7	GR
	PERMIT REQUIREMENT	******	******		[illegible] MINIMUM	******	[illegible] MAXIMUM			TWICE/ WEEK	GRAB
	SAMPLE MEASUREMENT	11.7 ~~4.5~~	20.4			73	136		0	1/7	24HC
	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX		******	REPORT MO AVG	100 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0001	0.0006			0.0006 ~~0.0009~~	0.0030		0	1/7	GR
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX		******	0.18 MO AVG	0.36 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX			3 MO AVG	6 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0178	0.032						0	99/99	CONT. TM
	PERMIT REQUIREMENT	REPORT MO AVG	0.055 DAILY MX			******	******			DAILY	CONTIN

RECEIVED JUL 2006

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

KEVIN B. COKER
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

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

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

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

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

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		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	1,40	1,95			6.6	7.8		0	1/7	24HC
	PERMIT REQUIREMENT	MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT				7.49		7.91		0	2/7	GR
	PERMIT REQUIREMENT	******	******		MINIMUM	******	9.5 MAXIMUM			TWICE/ WEEK	GRAB
	SAMPLE MEASUREMENT	7.4	8.51			36	45		0	1/7	24HC
	PERMIT REQUIREMENT	MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	REPORT MO AVG	DAILY MX			REPORT MO AVG	100 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0003	0.0011			0.035	0.187		0	1/7	GR
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX		******	15 MO AVG	0.36 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	NODI=B	NODI=B			NODI=B	NODI=B		0	1/7	GR
	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX		******	3 MO AVG	6 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	~~0.0164~~ 0.017267 KC	~~0.0300~~ 0.024995 KC						0	99/99	TM
	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX		******	******	******			DAILY	CONTIN

RECEIVED JUN 2006

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

KEVIN B. COKER
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

TELEPHONE		DATE		
662	226 4584	06	06	27 ~~09~~ KC
AREA CODE	NUMBER	YEAR	MO	DAY

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

Kevin B. Coker
Plant Manager

KOPPERS

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584
Fax 662 226 4588
Cokerkb@koppers.com
www.koppers.com

June 27, 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2564

**Subject: Koppers Inc.
Grenada Facility, May 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)**

Dear Sir or Madam:

Enclosed you will find a copy of the May 2006 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during the reporting period. Please note that discharge and sampling activities did not occur on June 5th due to the plant's WWTS being down. If you have any questions please call me at 662-226-4584, extension 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,

Kevin B. Coker

CC: Patrick Stark – KI CSG

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

NAME/ADDRESS (Include Facility Name/Location If Different)

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

RECEIVED MAY

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	3.02	6.00			24.00	34.50		0	1/7	24HC
	PERMIT REQUIREMENT	MO AVG	140 DAILY MX			MO AVG	480 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT				7.71		8.09		0	2/7	GRAB
	PERMIT REQUIREMENT	******	******		6.5 MINIMUM	******	9.5 MAXIMUM			TWICE/WEEK	GRAB
	SAMPLE MEASUREMENT	31.94	67.70			143.50	348.00		0	1/7	24HC
	PERMIT REQUIREMENT	MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT	NODI-B	NODI-B			NODI-B	NODI-B				
	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX		******	REPORT MO AVG	100 DAILY MX				
	SAMPLE MEASUREMENT	0.001	0.004			0.018	0.075				
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX		******	0.18 MO AVG	0.36 DAILY				
	SAMPLE MEASUREMENT	NODI-B	NODI-B			NODI-B	NO[illegible]				
	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX		******	MO AVG					
	SAMPLE MEASUREMENT	0.016483	0.023327								
	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX								

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Kevin B. Cover
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

TELEPHONE: 662 226-4584 (AREA CODE, NUMBER)

DATE: 06 05 25 (YEAR, MO, DAY)

...ON OF ANY VIOLATIONS (Reference all attachments here)

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

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

ADDRESS

FACILITY

LOCATION

PERMIT NUMBER

DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	1.144	1.778			8.1	9.9		0	1/7	24HC
	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX		*****	240 MO AVG	480 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT				7.71		8.47		0	2/7	GRAB
	PERMIT REQUIREMENT	*****	*****		MINIMUM	*****	9.5 MAXIMUM	SU		TWICE/ WEEK	GRAB
	SAMPLE MEASUREMENT	13.933	19.760			109	172		0	1/7	24HC
	PERMIT REQUIREMENT	MO AVG	175 DAILY MX		*****	300 MO AVG	600 DAILY MX			WEEKLY	COMP24
	SAMPLE MEASUREMENT	NODI-B	NODI-B			NODI-B	NODI-B		0	1/7	GRAB
	PERMIT REQUIREMENT				*****	REPORT MO AVG	100 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.008	0.044			0.033	0.171		0	2/7	GRAB
	PERMIT REQUIREMENT	MO AVG			*****	0.18 MO AVG	0.36 DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	NODI-B	NODI-B			NODI-B	NODI-B		0	2/7	GRAB
	PERMIT REQUIREMENT	MO AVG	DAILY			MO AVG	DAILY MX			WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.018847	0.031258						0	7/7	CONT.
	PERMIT REQUIREMENT	REPORT MO AVG	DAILY MX		*****	*****	*****			DAILY	CONTIN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

KEVIN B. COKER
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.

APR 2006

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
662	226-4584	06	04	25
AREA CODE	NUMBER	YEAR	MO	DAY

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

OF

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

FACILITY
LOCATION

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

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		QUANTITY OR LOADING – AVERAGE	QUANTITY OR LOADING – MAXIMUM	UNITS	QUALITY OR CONCENTRATION – MINIMUM	QUALITY OR CONCENTRATION – AVERAGE	QUALITY OR CONCENTRATION – MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
[illegible] EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	N001-B	N001-B			N001-B	N001-B		0	1/180	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	0.151 ANNL MAX	[illegible]	******	REPORT ANNL AVG	[illegible]	[illegible]		[illegible]	[illegible]
TOTAL RECOVERABLE EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.005	0.005			0.04	0.04		0	1/180	24HC
	PERMIT REQUIREMENT	ANNL A[illegible]	REPORT [illegible] MAX	[illegible]	******		REPORT ANNL MAX	[illegible]		ANNUAL	COMP 24
TOTAL RECOVERABLE EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.012	0.012			0.100	0.100		0	1/180	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	REPORT ANNL MAX	[illegible]	******	REPORT ANNL AVG	REPORT ANNL MAX	[illegible]		SEMI-ANNUAL	COMP-24
TOTAL RECOVERABLE EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	N001-B	N001-B			N001-B	N001-B		0	1/180	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	[illegible] ANNL MAX	[illegible]	******	REPORT ANNL AVG	4.0 ANNL MAX	[illegible]		SEMI-ANNUAL	COMP-24
TOTAL RECOVERABLE EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	N001-B	N001-B			N001-B	N001-B		0	1/180	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	[illegible] ANNL MAX	[illegible]	******	REPORT ANNL AVG	2.2 ANNL MAX	[illegible]		SEMI-ANNUAL	COMP-24
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Kevin B. Lowe
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

TELEPHONE		DATE		
662	226-4584	06	04	25
AREA CODE	NUMBER	YEAR	MO	DAY

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

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

FACILITY
LOCATION

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

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	1.316	2.195			7.125	9.9		0	1/7	24HC
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX	MG/L		WEEKLY	COMP24
	SAMPLE MEASUREMENT				7.98		8.99		0	2/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******		5.5 MINIMUM	******	9.5 MAXIMUM	SU		TWICE/WEEK	GRAB
	SAMPLE MEASUREMENT	5.643	11.551			74.25	97		0	1/7	24HC
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX		******	300 MO AVG	600 DAILY MX	MG/L		WEEKLY	COMP24
	SAMPLE MEASUREMENT	N001-B	N001-B			N001-B	N001-B		0	1/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX		******	REPORT MO AVG	100 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0003	0.0009			0.003	0.005		0	2/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX		******	0.18 MO AVG	0.36 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT	N001-B	N001-B			N001-B	N001-B		0	2/7	GRAB
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX		******	3 MO AVG	6 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.018915	0.031527						0	7/7	CONT.
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX		******	******	******			DAILY	CONTIN

RECEIVED
MAR 2006

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Kevin B. Comer
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

TELEPHONE AREA CODE / NUMBER	DATE YEAR	MO	DAY
662-226-4584	06	03	13

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

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

RECEIVED
FEB 2006

PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	SAMPLE MEASUREMENT	0.743	0.862			5.35	7.5		0	1/7	24HC
	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX		******	240 MO AVG	480 DAILY MX	MG/L		WEEKLY	COMP24
	SAMPLE MEASUREMENT				8.00		8.68		0	2/7	GRAB
	PERMIT REQUIREMENT	******	******		5 MINIMUM	******	9.5 MAXIMUM	SU		WICE/WEEK	GRAB
	SAMPLE MEASUREMENT	7.285 ~~51.5~~	9.258 ~~61~~		~~61~~	51.5	~~51.5~~ 61		0	1/7	24HC
	PERMIT REQUIREMENT	86 MO AVG	175 DAILY MX	LBS/DY	******	300 MO AVG	600 DAILY MX	MG/L		WEEKLY	COMP24
	SAMPLE MEASUREMENT	N001-B	N001-B			N001-B	N001-B		0	1/7	GRAB
	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX	LBS/DY	******	REPORT MO AVG	100 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.0003	0.0008			0.002	0.005		0	2/7	GRAB
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX	LBS/DY	******	0.18 MO AVG	0.36 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT	N001-B	N001-B			N001-B	N001-B		0	2/7	GRAB
	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX	LBS/DY	******	3 MO AVG	6 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT	0.015911	0.032031						0	7/7	NA-CONT.
	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX	MGD		******	******			DAILY	CONTIN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

KEVIN B. COVER
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

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
662	226-4584	06	02	21

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

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

FACILITY
LOCATION

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

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER

	MONITORING PERIOD						
	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

RECEIVED
JAN 2006

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
[illegible]	SAMPLE MEASUREMENT	~~[illegible]~~ [illegible]	1.034			7.62	9.60		0	1/7	24HC
	PERMIT REQUIREMENT	70 MO AVG	140 DAILY MX	LBS/DY	******	240 MO AVG	480 DAILY MX	MG/L		WEEKLY	COMP24
[illegible]	SAMPLE MEASUREMENT				7.75		8.13		0	2/7	GRAB
	PERMIT REQUIREMENT	******	******		5.5 MINIMUM	******	7.5 MAXIMUM	SU		TWICE/WEEK	GRAB
[illegible]	SAMPLE MEASUREMENT	5.951	11.541			68.6	104		0	1/7	24HC
	PERMIT REQUIREMENT	88 MO AVG	175 DAILY MX	LBS/DY	******	300 MO AVG	600 DAILY MX	MG/L		WEEKLY	COMP24
[illegible]	SAMPLE MEASUREMENT	N001 = B	N001 = B			N001 = B	N001 = B		0	1/7	GRAB
	PERMIT REQUIREMENT	REPORT MO AVG	29.2 DAILY MX	LBS/DY	******	REPORT MO AVG	100 DAILY MX	MG/L		WEEKLY	GRAB
[illegible]	SAMPLE MEASUREMENT	0.002	0.011			0.019	0.122		0	1/7	GRAB
	PERMIT REQUIREMENT	0.053 MO AVG	0.105 DAILY MX	LBS/DY	******	0.18 MO AVG	0.36 DAILY MX	MG/L		WEEKLY	GRAB
[illegible]	SAMPLE MEASUREMENT	N001 = B	N001 = B			N001 = B	N001 = B		0	1/7	GRAB
	PERMIT REQUIREMENT	0.88 MO AVG	1.75 DAILY MX	LBS/DY	******	3 MO AVG	6 DAILY MX	MG/L		WEEKLY	GRAB
[illegible]	SAMPLE MEASUREMENT	0.015174	0.028309						0	7/7	CONT.
	PERMIT REQUIREMENT	REPORT MO AVG	0.035 DAILY MX	MGD	******	******	******			DAILY	CONTIN

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
KEVIN B. COKER PLANT MANAGER	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.	K. B. C[illegible]	662	726-4584	06	01	12
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
THE ENTRIES REFLECTING N001=B WERE INSTANCES WHERE THE ANALYTICAL RESULTS WERE BELOW DETECTION LIMITS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME [illegible]
ADDRESS P O BOX 140

FACILITY
LOCATION

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

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
[illegible]	[illegible]

F - FINAL
TOTAL FACILITY DISCHARGE

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
[illegible] EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	N001=B	N001=B			N001=B	N001=B		0	2/yr	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	0.131 ANNL MAX	LBS/DY	******	REPORT ANNL AVG	0.45 ANNL MAX	MG/L		SEMI-ANNUAL	COMP24
TOTAL RECOVERABLE EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.004	0.004			~~0.012~~ 0.030	~~0.012~~ 0.030		0	2/yr	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	REPORT ANNL MAX	LBS/DY	******	REPORT ANNL AVG	REPORT ANNL MAX	MG/L		SEMI-ANNUAL	COMP24
TOTAL RECOVERABLE EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	N001=B	N001=B			N001=B	N001=B		0	2/yr	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	REPORT ANNL MAX	LBS/DY	******	REPORT ANNL AVG	REPORT ANNL MAX	MG/L		SEMI-ANNUAL	COMP24
TOTAL RECOVERABLE EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	N001=B	N001=B			N001=B	N001=B		0	2/yr	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	1.168 ANNL MAX	LBS/DY	******	REPORT ANNL AVG	4.0 ANNL MAX	MG/L		SEMI-ANNUAL	COMP24
COPPER TOTAL RECOVERABLE EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.002	0.002			0.012	0.012		0	2/yr	24HC
	PERMIT REQUIREMENT	REPORT ANNL AVG	0.642 ANNL MAX	LBS/DY	******	REPORT ANNL AVG	2.2 ANNL MAX	MG/L		SEMI-ANNUAL	COMP24
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

JAN 2006

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
KEVIN B. COLE
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

TELEPHONE		DATE		
662	226-4584	06	01	12
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
THOSE ENTRIES REFLECTING N001=B WERE INSTANCES WHERE THE ANALYTICAL RESULTS WERE BELOW DETECTION LIMITS.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/09/06
Date Received: 06/02/06
Date/Time Sampled: 06/02/06 07:34
Sampled by: KBC

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC02096
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	25.5 ✓	1.0	mg/L	405.1	MWS	06/02/06	14:55
Oil & Grease	ND	2.1	mg/L	1664A	CRM	06/08/06	08:35
Total Suspended Solids	136 ✓	1.0	mg/L	160.2	SMB	06/08/06	14:00
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/06/06	11:42
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/06/06	11:42
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/06/06	11:42
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/06/06	11:42
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/06/06	11:42
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/06/06	11:42
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/06/06	11:42
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/06/06	11:42
Pentachlorophenol	0.002 ✓	0.001	mg/L	625	RLT	06/06/06	11:42
Phenol	ND ✓	0.002	mg/L	625	RLT	06/06/06	11:42
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/06/06	11:42

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Robert Thompson
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B. G. Giessner, Ph.D.

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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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/20/06
Date Received: 06/09/06
Date/Time Sampled: 06/09/06 10:50
Sampled by: RR

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC02450
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.8 ✓	1.0	mg/L	405.1	MWS	06/09/06	16:15
Total Suspended Solids	97 ✓	1.0	mg/L	160.2	SMB	06/14/06	09:30
Oil & Grease	ND ✓	2.0	mg/L	1664A	CRM	06/19/06	08:10
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/12/06	11:11
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/12/06	11:11
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/12/06	11:11
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/12/06	11:11
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/12/06	11:11
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/12/06	11:11
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/12/06	11:11
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/12/06	11:11
Pentachlorophenol	0.003 ✓	0.001	mg/L	625	RLT	06/12/06	11:11
Phenol	ND ✓	0.002	mg/L	625	RLT	06/12/06	11:11
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/12/06	11:11

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B. G. Giessner, Ph.D.

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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/19/06
Date Received: 06/16/06
Date/Time Sampled: 06/13/06 17:26
Sampled by: KBC

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC02671
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/16/06	19:19
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/16/06	19:19
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/16/06	19:19
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/16/06	19:19
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/16/06	19:19
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/16/06	19:19
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/16/06	19:19
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/16/06	19:19
Pentachlorophenol	ND ✓	0.001	mg/L	625	RLT	06/16/06	19:19
Phenol	ND ✓	0.002	mg/L	625	RLT	06/16/06	19:19
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/16/06	19:19

Janet Anthony
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

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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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/26/06
Date Received: 06/19/06
Date/Time Sampled: 06/18/06 07:45
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC02699
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.9 ✓	1.0	mg/L	405.1	MWS	06/19/06	15:35
Oil & Grease	ND ✓	2.2	mg/L	1664A	CRM	06/22/06	09:00
Total Suspended Solids	48 ✓	1.0	mg/L	160.2	SMB	06/21/06	15:25
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/21/06	15:09
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/21/06	15:09
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/21/06	15:09
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/21/06	15:09
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/21/06	15:09
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/21/06	15:09
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/21/06	15:09
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/21/06	15:09
Pentachlorophenol	ND ✓	0.001	mg/L	625	RLT	06/21/06	15:09
Phenol	ND ✓	0.002	mg/L	625	RLT	06/21/06	15:09
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/21/06	15:09

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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/21/06
Date Received: 06/20/06
Date/Time Sampled: 06/20/06 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC02739
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/21/06	13:45
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/21/06	13:45
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/21/06	13:45
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/21/06	13:45
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/21/06	13:45
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	06/21/06	13:45
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/21/06	13:45
4-Nitrophenol	ND	0.006	mg/L	625	RLT	06/21/06	13:45
Pentachlorophenol	ND ✓	0.001	mg/L	625	RLT	06/21/06	13:45
Phenol	ND ✓	0.002	mg/L	625	RLT	06/21/06	13:45
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/21/06	13:45

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ARGUS ANALYTICAL, INC.
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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/30/06
Date Received: 06/23/06
Date/Time Sampled: 06/23/06 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC02968
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.1	1.0	mg/L	405.1	MWS	06/23/06	14:45
Oil & Grease	ND	2.1	mg/L	1664A	CRM	06/29/06	14:40
Total Suspended Solids	45	1.0	mg/L	160.2	SMB	06/26/06	14:50
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/27/06	16:06
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/27/06	16:06
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/27/06	16:06
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/27/06	16:06
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/27/06	16:06
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/27/06	16:06
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/27/06	16:06
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/27/06	16:06
Pentachlorophenol	ND	0.001	mg/L	625	RLT	06/27/06	16:06
Phenol	ND	0.002	mg/L	625	RLT	06/27/06	16:06
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/27/06	16:06

Sally Bishop
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/28/06
Date Received: 06/27/06
Date/Time Sampled: 06/27/06 08:20
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC03103
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	06/28/06	10:55
2-Chlorophenol	ND	0.002	mg/L	625	RLT	06/28/06	10:55
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	06/28/06	10:55
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	06/28/06	10:55
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	06/28/06	10:55
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	06/28/06	10:55
2-Nitrophenol	ND	0.002	mg/L	625	RLT	06/28/06	10:55
4-Nitrophenol	ND	0.005	mg/L	625	RLT	06/28/06	10:55
Pentachlorophenol ✓	ND	0.001	mg/L	625	RLT	06/28/06	10:55
Phenol	ND	0.002	mg/L	625	RLT	06/28/06	10:55
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	06/28/06	10:55

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B. G. Giessner, Ph.D.

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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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 07/05/06
Date Received: 06/30/06
Date/Time Sampled: 06/30/06 07:15
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC03257
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	06/30/06	11:35
Oil & Grease	ND	2.1	mg/L	1664A	CRM	07/05/06	10:30
Total Suspended Solids	39	1.0	mg/L	160.2	SMB	07/03/06	14:15
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	07/05/06	13:29
2-Chlorophenol	ND	0.002	mg/L	625	RLT	07/05/06	13:29
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	07/05/06	13:29
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	07/05/06	13:29
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	07/05/06	13:29
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	07/05/06	13:29
2-Nitrophenol	ND	0.002	mg/L	625	RLT	07/05/06	13:29
4-Nitrophenol	ND	0.005	mg/L	625	RLT	07/05/06	13:29
Pentachlorophenol ✓ EMIS	ND	0.001	mg/L	625	RLT	07/05/06	13:29
Phenol ✓ RP	ND	0.002	mg/L	625	RLT	07/05/06	13:29
2,4,6-Trichlorophenol 7/11/06	ND	0.002	mg/L	625	RLT	07/05/06	13:29

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
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NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/01/06
Date Received: 05/30/06
Date/Time Sampled: 05/30/06 07:42
Sampled by: KC

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC01895
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/31/06	14:59
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/31/06	14:59
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/31/06	14:59
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/31/06	14:59
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/31/06	14:59
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/31/06	14:59
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/31/06	14:59
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/31/06	14:59
Pentachlorophenol	0.005	0.001	mg/L	625	RLT	05/31/06	14:59
Phenol	ND	0.002	mg/L	625	RLT	05/31/06	14:59
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/31/06	14:59

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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 06/02/06
Date Received: 05/26/06
Date/Time Sampled: 05/26/06 07:24
Sampled by: K. Coker

Project ID/Location: Facility Discharge Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: CC01862

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	05/26/06	14:50
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/30/06	14:24
Total Suspended Solids	29 RR	1.0	mg/L	160.2	SMB	05/30/06	15:45
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/30/06	14:01
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/30/06	14:01
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/30/06	14:01
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/30/06	14:01
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/30/06	14:01
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	05/30/06	14:01
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/30/06	14:01
4-Nitrophenol	ND	0.006	mg/L	625	RLT	05/30/06	14:01
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	05/30/06	14:01
Phenol	ND	0.002	mg/L	625	RLT	05/30/06	14:01
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/30/06	14:01

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
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To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 05/26/06
Date Received: 05/19/06
Date/Time Sampled: 05/19/06 07:11
Sampled by: K. Coker

Project Number:

Project ID/Location: Facility Discharge Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC01649
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	5.7	1.0	mg/L	405.1	MWS	05/19/06	12:30
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/24/06	15:12
Total Suspended Solids	45	1.0	mg/L	160.2	SMB	05/25/06	08:40
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/19/06	19:04
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/19/06	19:04
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/19/06	19:04
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/19/06	19:04
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/19/06	19:04
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/19/06	19:04
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/19/06	19:04
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/19/06	19:04
Pentachlorophenol	0.003	0.001	mg/L	625	RLT	05/19/06	19:04
Phenol	ND	0.002	mg/L	625	RLT	05/19/06	19:04
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/19/06	19:04

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 05/25/06
Date Received: 05/23/06
Date/Time Sampled: 05/23/06 07:01
Sampled by: K. Coker

Project Number:

Project ID/Location: Facility Discharge Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC01734
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	05/25/06	14:53
2-Chlorophenol	ND	0.002	mg/L	625	JWH	05/25/06	14:53
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	05/25/06	14:53
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	05/25/06	14:53
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	05/25/06	14:53
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	05/25/06	14:53
2-Nitrophenol	ND	0.002	mg/L	625	JWH	05/25/06	14:53
4-Nitrophenol	ND	0.005	mg/L	625	JWH	05/25/06	14:53
Pentachlorophenol	0.004 ✓	0.001	mg/L	625	JWH	05/25/06	14:53
Phenol	ND ✓	0.002	mg/L	625	JWH	05/25/06	14:53
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	05/25/06	14:53

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B. G. Giessner, Ph.D.

* See supplementary information, attached.

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LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 05/18/06
Date Received: 05/16/06
Date/Time Sampled: 05/16/06 07:41
Sampled by: K. Coker

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC01446
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/17/06	18:17
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/17/06	18:17
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/17/06	18:17
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/17/06	18:17
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/17/06	18:17
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/17/06	18:17
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/17/06	18:17
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/17/06	18:17
Pentachlorophenol	ND	0.001	mg/L	625	RLT	05/17/06	18:17
Phenol	ND	0.002	mg/L	625	RLT	05/17/06	18:17
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/17/06	18:17

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 05/18/06
Date Received: 05/12/06
Date/Time Sampled: 05/12/06 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC01371
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.8	1.0	mg/L	405.1	MWS	05/12/06	13:15
Oil & Grease	ND	2.1	mg/L	1664A	CRM	05/16/06	08:09
Total Suspended Solids	34	1.0	mg/L	160.2	SMB	05/17/06	14:30
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/15/06	17:08
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/15/06	17:08
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/15/06	17:08
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/15/06	17:08
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/15/06	17:08
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/15/06	17:08
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/15/06	17:08
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/15/06	17:08
Pentachlorophenol	ND	0.001	mg/L	625	RLT	05/15/06	17:08
Phenol	ND	0.002	mg/L	625	RLT	05/15/06	17:08
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/15/06	17:08

E mis
6-6-06
RR

Robert Thompson
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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 05/10/06
Date Received: 05/09/06
Date/Time Sampled: 05/09/06 07:15
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC01084
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/10/06	13:14
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/10/06	13:14
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/10/06	13:14
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/10/06	13:14
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/10/06	13:14
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/10/06	13:14
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/10/06	13:14
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/10/06	13:14
Pentachlorophenol	0.005 ✓	0.001	mg/L	625	RLT	05/10/06	13:14
Phenol	ND ✓	0.002	mg/L	625	RLT	05/10/06	13:14
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/10/06	13:14

EMIS
6-6-06
RR

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 05/03/06
Date Received: 05/02/06
Date/Time Sampled: 05/02/06 08:00
Sampled by: F. Wilson

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC00788
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/03/06	14:27
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/03/06	14:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/03/06	14:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/03/06	14:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/03/06	14:27
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/03/06	14:27
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/03/06	14:27
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/03/06	14:27
Pentachlorophenol	0.187 ✓	0.001	mg/L	625	RLT	05/03/06	14:27
Phenol	ND ✓	0.002	mg/L	625	RLT	05/03/06	14:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/03/06	14:27

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RW

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

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B. G. Giessner, Ph.D.

* See supplementary information, attached.

PARAMETER: **BOD**

DATE	VALUE	FLOW(mgd)	Lbs/Gal H2O		TOTAL
6-Apr	14.7	0.023327	8.34	=	2.860
13-Apr	34.5	0.020856	8.34	=	6.001
21-Apr	19.8	0.009886	8.34	=	1.632
28-Apr	27.0	0.007035	8.34	=	1.584
Total:	96.00		Total	=	12.077

CONCENTRATION		LOADING	
MAX:	34.50	MAX:	6.00
AVG:	24.00	AVG:	3.02

PARAMETER: **TSS**

DATE	VALUE	FLOW(mgd)	Lbs/Gal H2O		TOTAL
6-Apr	348	0.023327	8.34	=	67.702
13-Apr	289	0.020856	8.34	=	50.268
21-Apr	73	0.009886	8.34	=	6.019
28-Apr	64	0.007035	8.34	=	3.755
Total:	774.00		Total	=	127.745

CONCENTRATION		LOADING	
MAX:	348.00	MAX:	67.70
AVG:	193.50	AVG:	31.94

PARAMETER: **O&G**

DATE	VALUE	FLOW(mgd)	Lbs/Gal H2O		TOTAL
6-Apr	ND	0.023327	8.34	=	0.000
13-Apr	ND	0.020856	8.34	=	0.000
21-Apr	ND	0.009886	8.34	=	0.000
28-Apr	ND	0.007035	8.34	=	0.000
Total:	0.00		Total	=	0.000

CONCENTRATION		LOADING	
MAX:	0.00	MAX:	0.00
AVG:	0.00	AVG:	0.00

PARAMETER: **PENTA**

DATE	VALUE	FLOW(mgd)	Lbs/Gal H2O		TOTAL
4-Apr	0.008	0.000000	8.34	=	0.000
6-Apr	0.002	0.023327	8.34	=	0.000
11-Apr	0.027	0.017911	8.34	=	0.004
13-Apr	0.011	0.020856	8.34	=	0.002
18-Apr	0.015	0.000000	8.34	=	0.000
21-Apr	0.006	0.009886	8.34	=	0.000
25-Apr	0.002	0.000628	8.34	=	0.000
28-Apr	0.075	0.007035	8.34	=	0.004
Total	0.146		Total	=	0.011

CONCENTRATION		LOADING	
MAX:	0.075	MAX:	0.004
AVG:	0.018	AVG:	0.001

PARAMETER: **PHENOLS**

DATE	VALUE	FLOW(mgd)	Lbs/Gal H2O		TOTAL
4-Apr	ND	0.000000	8.34	=	0.000
6-Apr	ND	0.023327	8.34	=	0.000
11-Apr	ND	0.017911	8.34	=	0.000
13-Apr	ND	0.020856	8.34	=	0.000
18-Apr	ND	0.000000	8.34	=	0.000
21-Apr	ND	0.009886	8.34	=	0.000
25-Apr	ND	0.000628	8.34	=	0.000
28-Apr	ND	0.007035	8.34	=	0.000
Total:	0.000		Total	=	0.000

CONCENTRATION		LOADING	
MAX:	0.000	MAX:	0.000
AVG:	0.000	AVG:	0.000

PH

DATE	VALUE
5-Apr	8.03
7-Apr	7.80
11-Apr	7.71
13-Apr	7.80
18-Apr	7.89
21-Apr	7.94
25-Apr	7.75
28-Apr	8.09

pH- Max & Min

Max	Min
8.09	7.71

MONTHLY FLOW

START	=	20613443
END	=	21009039
Total		395,596
AVG:		16,483
MAX:		23,327
MGD AVG:		0.016483
MGD MAX:		0.023327

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 05/03/06
Date Received: 04/28/06
Date/Time Sampled: 04/28/06 07:45
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC00657
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	27.0	1.0	mg/L	405.1	MWS	04/28/06	15:45
Oil & Grease	ND	2.0	mg/L	1664A	CRM	05/01/06	10:15
Total Suspended Solids	64	1.0	mg/L	160.2	JWH	05/01/06	17:05
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	05/02/06	12:12
2-Chlorophenol	ND	0.002	mg/L	625	RLT	05/02/06	12:12
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	05/02/06	12:12
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	05/02/06	12:12
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	05/02/06	12:12
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	05/02/06	12:12
2-Nitrophenol	ND	0.002	mg/L	625	RLT	05/02/06	12:12
4-Nitrophenol	ND	0.005	mg/L	625	RLT	05/02/06	12:12
Pentachlorophenol	0.075	0.001	mg/L	625	RLT	05/02/06	12:12
Phenol	ND	0.002	mg/L	625	RLT	05/02/06	12:12
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	05/02/06	12:12

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

ARGUS ANALYTICAL, INC.

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

NELAP Accredited
LELAP 04023

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MAY 2006

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 04/27/06
Date Received: 04/25/06
Date/Time Sampled: 04/25/06 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC00465
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/26/06	14:48
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/26/06	14:48
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/26/06	14:48
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/26/06	14:48
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/26/06	14:48
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/26/06	14:48
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/26/06	14:48
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/26/06	14:48
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	04/26/06	14:48
Phenol	ND	0.002	mg/L	625	RLT	04/26/06	14:48
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/26/06	14:48

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 04/27/06
Date Received: 04/21/06
Date/Time Sampled: 04/21/06 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC00349
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	19.8	1.0	mg/L	405.1	MEW	04/21/06	15:10
Oil & Grease	ND	2.1	mg/L	1664A	CRM	04/25/06	08:30
Total Suspended Solids	73	1.0	mg/L	160.2	SMB	04/24/06	14:45
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/24/06	14:34
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/24/06	14:34
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/24/06	14:34
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/24/06	14:34
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/24/06	14:34
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/24/06	14:34
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/24/06	14:34
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/24/06	14:34
Pentachlorophenol	0.006	0.001	mg/L	625	RLT	04/24/06	14:34
Phenol	ND	0.002	mg/L	625	RLT	04/24/06	14:34
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/24/06	14:34

Janet White

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 04/20/06
Date Received: 04/13/06
Date/Time Sampled: 04/13/06 09:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: BB99451
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	34.5	1.0	mg/L	405.1	MWS	04/13/06	13:35
Oil & Grease	ND	2.1	mg/L	1664A	CRM	04/18/06	08:00
Total Suspended Solids	289	1.0	mg/L	160.2	SMB	04/18/06	09:55
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/17/06	15:15
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/17/06	15:15
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/17/06	15:15
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/17/06	15:15
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/17/06	15:15
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/17/06	15:15
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/17/06	15:15
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/17/06	15:15
Pentachlorophenol	0.011	0.001	mg/L	625	RLT	04/17/06	15:15
Phenol	ND	0.002	mg/L	625	RLT	04/17/06	15:15
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/17/06	15:15

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 04/20/06
Date Received: 04/18/06
Date/Time Sampled: 04/18/06 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: CC00129
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/20/06	12:27
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/20/06	12:27
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/20/06	12:27
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/20/06	12:27
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/20/06	12:27
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/20/06	12:27
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/20/06	12:27
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/20/06	12:27
Pentachlorophenol	0.015	0.001	mg/L	625	RLT	04/20/06	12:27
Phenol	ND	0.002	mg/L	625	RLT	04/20/06	12:27
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/20/06	12:27

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

RECEIVED
MAY 2006

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 04/18/06
Date Received: 04/07/06
Date/Time Sampled: 04/06/06 11:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: BB99105
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	14.7	1.0	mg/L	405.1	MWS	04/07/06	16:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	04/11/06	11:16
Total Suspended Solids	348	1.0	mg/L	160.2	SMB	04/13/06	13:50
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	04/10/06	17:40
2-Chlorophenol	ND	0.002	mg/L	625	RLT	04/10/06	17:40
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	04/10/06	17:40
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	04/10/06	17:40
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	04/10/06	17:40
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	04/10/06	17:40
2-Nitrophenol	ND	0.002	mg/L	625	RLT	04/10/06	17:40
4-Nitrophenol	ND	0.005	mg/L	625	RLT	04/10/06	17:40
Pentachlorophenol	0.002	0.001	mg/L	625	RLT	04/10/06	17:40
Phenol	ND	0.002	mg/L	625	RLT	04/10/06	17:40
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	04/10/06	17:40

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 12/27/05
Date Received: 12/16/05
Date/Time Sampled: 12/16/05 08:00
Sampled by: LW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: BB94288
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	7.8	1.0	mg/L	405.1	MWS	12/16/05	15:30
Total Suspended Solids	52	1.0	mg/L	160.2	SMB	12/21/05	12:00
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/23/05	08:25
Phenolic Compounds							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	12/19/05	17:50
2-Chlorophenol	ND	0.002	mg/L	625	RLT	12/19/05	17:50
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	12/19/05	17:50
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	12/19/05	17:50
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	12/19/05	17:50
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	12/19/05	17:50
2-Nitrophenol	ND	0.002	mg/L	625	RLT	12/19/05	17:50
4-Nitrophenol	ND	0.006	mg/L	625	RLT	12/19/05	17:50
Pentachlorophenol	0.007	0.001	mg/L	625	RLT	12/19/05	17:50
Phenol	ND	0.002	mg/L	625	RLT	12/19/05	17:50
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	12/19/05	17:50

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 12/21/05
Date Received: 12/20/05
Date/Time Sampled: 12/20/05 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: BB94701
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	12/20/05	16:39
2-Chlorophenol	ND	0.002	mg/L	625	RLT	12/20/05	16:39
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	12/20/05	16:39
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	12/20/05	16:39
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	12/20/05	16:39
2,4-Dinitrophenol	ND	0.006	mg/L	625	RLT	12/20/05	16:39
2-Nitrophenol	ND	0.002	mg/L	625	RLT	12/20/05	16:39
4-Nitrophenol	ND	0.006	mg/L	625	RLT	12/20/05	16:39
Pentachlorophenol	0.005	0.001	mg/L	625	RLT	12/20/05	16:39
Phenol	ND	0.002	mg/L	625	RLT	12/20/05	16:39
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	12/20/05	16:39

Robert Thompson
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 12/19/05
Date Received: 12/09/05
Date/Time Sampled: 12/09/05 08:30
Sampled by: FW

Project ID/Location: Facility Discharge Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Matrix: WATER

Sample Number: BB93858

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	12/09/05	15:15
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/16/05	08:36
Total Suspended Solids	60	1.0	mg/L	160.2	SMB	12/15/05	12:45
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	12/10/05	04:30
2-Chlorophenol	ND	0.002	mg/L	625	JWH	12/10/05	04:30
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	12/10/05	04:30
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	12/10/05	04:30
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	12/10/05	04:30
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	12/10/05	04:30
2-Nitrophenol	ND	0.002	mg/L	625	JWH	12/10/05	04:30
4-Nitrophenol	ND	0.005	mg/L	625	JWH	12/10/05	04:30
Pentachlorophenol	0.008	0.001	mg/L	625	JWH	12/10/05	04:30
Phenol	ND	0.002	mg/L	625	JWH	12/10/05	04:30
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	12/10/05	04:30

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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 12/15/05
Date Received: 12/09/05
Date/Time Sampled: 12/09/05 08:30
Sampled by: FW

Project ID/Location: Facility Discharge
Bi-Annual Requirements

Project Number:

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: BB93859
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Copper	0.012	0.010	mg/L	200.7	BTH	12/15/05	00:01
Chromium	ND	0.05	mg/L	200.7	BTH	12/15/05	00:02
Arsenic	ND	0.05	mg/L	200.7	BTH	12/15/05	00:04
Nickel	0.03	0.02	mg/L	200.7	BTH	12/15/05	00:04
Zinc	ND	0.025	mg/L	200.7	BTH	12/15/05	12:02

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

SS1

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 12/15/05
Date Received: 12/13/05
Date/Time Sampled: 12/13/05 08:45
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: BB93990
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	12/14/05	19:23
2-Chlorophenol	ND	0.002	mg/L	625	JWH	12/14/05	19:23
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	12/14/05	19:23
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	12/14/05	19:23
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	12/14/05	19:23
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	12/14/05	19:23
2-Nitrophenol	ND	0.002	mg/L	625	JWH	12/14/05	19:23
4-Nitrophenol	ND	0.005	mg/L	625	JWH	12/14/05	19:23
Pentachlorophenol	0.010	0.001	mg/L	625	JWH	12/14/05	19:23
Phenol	ND	0.002	mg/L	625	JWH	12/14/05	19:23
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	12/14/05	19:23

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
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 12/09/05
Date Received: 12/02/05
Date/Time Sampled: 12/01/05 08:00
Sampled by: FW

Project Number:

Project ID/Location: Facility Discharge
Weekly Requirements

Sample Description: Outfall 001
Sample Matrix: WATER

Sample Number: BB93523
Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Biochemical Oxygen Demand	6.0	1.0	mg/L	405.1	MWS	12/02/05	14:55
Oil & Grease	ND	2.0	mg/L	1664A	CRM	12/07/05	08:58
Total Suspended Solids	78	1.0	mg/L	160.2	SMB	12/08/05	11:30
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	12/05/05	14:12
2-Chlorophenol	ND	0.002	mg/L	625	JWH	12/05/05	14:12
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	12/05/05	14:12
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	12/05/05	14:12
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	12/05/05	14:12
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	12/05/05	14:12
2-Nitrophenol	ND	0.002	mg/L	625	JWH	12/05/05	14:12
4-Nitrophenol	ND	0.005	mg/L	625	JWH	12/05/05	14:12
Pentachlorophenol	0.007	0.001	mg/L	625	JWH	12/05/05	14:12
Phenol	ND	0.002	mg/L	625	JWH	12/05/05	14:12
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	12/05/05	14:12

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

ATTN: Kevin Coker

Date Reported: 12/08/05
Date Received: 12/06/05
Date/Time Sampled: 12/06/05 09:15
Sampled by: FW

RECEIVED JAN 2006

Project ID/Location: Facility Discharge Weekly Requirements

Project Number:

Sample Description: Outfall 001

Sample Number: BB93589

Sample Matrix: WATER

Page Number: 1

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Phenols							
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	JWH	12/07/05	23:26
2-Chlorophenol	ND	0.002	mg/L	625	JWH	12/07/05	23:26
2,4-Dichlorophenol	ND	0.002	mg/L	625	JWH	12/07/05	23:26
2,4-Dimethylphenol	ND	0.002	mg/L	625	JWH	12/07/05	23:26
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	JWH	12/07/05	23:26
2,4-Dinitrophenol	ND	0.005	mg/L	625	JWH	12/07/05	23:26
2-Nitrophenol	ND	0.002	mg/L	625	JWH	12/07/05	23:26
4-Nitrophenol	ND	0.005	mg/L	625	JWH	12/07/05	23:26
Pentachlorophenol	0.122	0.001	mg/L	625	JWH	12/07/05	23:26
Phenol	ND	0.002	mg/L	625	JWH	12/07/05	23:26
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	JWH	12/07/05	23:26

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

December 27, 2006

Mr. Vance Haskin
Plant Manager
Koppers Inc.
PO Box 160
Tie Plant, MS 38960

FILE COPY

Dear Mr. Haskin:

Re: Koppers Inc.
Draft Permit Public Notice
Water Ref. No.MSP090300
Grenada County

Enclosed are the public notice, draft permit and rationale for the above referenced permit. If you have not already done so, you are invited to submit written comments by no later than February 4, 2007. A decision regarding the proposed permit(s) will be made after all public comments have been duly considered.

If you have any questions, please contact me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division

Enclosures

876 PER20060001

RWP

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
AN EQUAL OPPORTUNITY EMPLOYER

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

December 27, 2006

Mayor Billy Collins
Grenada City Hall
Post Office Box 310
Grenada, MS 38901-0310

FILE COPY

Honorable Mayor Collins:

Re: Koppers Inc.
Draft Permit Public Notice
Water Ref No. MSP090300
Grenada County

Enclosed please find a copy of the proposed draft permit for public notice for the above referenced facility. This draft permit contains conditions that we intend to incorporate as part of the final permit.

If you have any comments concerning the contents of the draft permit, please notify this office in writing no later than February 4, 2007. If you would like to contact me to discuss any of these concerns, please call me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division

Enclosure

876 PER20060001

RWP

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

December 27, 2006

Grenada County Chancery Clerk
PO Drawer 1208
Grenada, MS 38902

FILE COPY

Dear Sir:

Re: Koppers Inc.
Draft Permit Public Notice
Water Ref. No.MSP090300
Grenada County

Please post the enclosed public notice in your courthouse on or before January 5, 2007.

If you are unable to do so, or if you have any questions, please contact me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division

Enclosure

876 PER20060001

RWP

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
AN EQUAL OPPORTUNITY EMPLOYER

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

December 27, 2007

FILE COPY

Postmaster
Tie Plant, Mississippi 38960

Dear Postmaster:

Re: Koppers Inc
Draft Permit Public Notice
Water Ref. No.MSP090300
Grenada County

Please post the attached public notice in your post office on or before January 5, 2007.

If you are unable to do so, or if you have any questions, please contact me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Wood & Timber Branch
Environmental Permits Division

Enclosure

876 PER20060001

RWP

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
AN EQUAL OPPORTUNITY EMPLOYER

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

December 27, 2006

Librarian
Elizabeth Jones Library
Post Office Box 130
Grenada, MS 38901

FILE COPY

Dear Librarian:

Re: Koppers Inc.
Draft Permit Public Notice
Water Ref. No.MSP090300
Grenada County

Enclosed is a copy of the public notice for comment on the above referenced environmental permits. Please post this notice in your library.

Also, enclosed is a copy of information pertinent to the permits. This information should be kept on hand for review by the public until February 4, 2007, after which it may be discarded. The public may photocopy all or any portion of this information, but it should not leave the library.

Finally, enclosed please find a duplication of this letter with a place for your signature and the date acknowledging your receipt of the package and your agreement to carry out our request. A self-addressed stamped envelope is enclosed for your convenience.

We are attempting to better keep the public informed of and involved in this Office's actions regarding environmental permits. Since access to the public library is so convenient for so many we hope to use these facilities as often as possible. Your cooperation in this matter is greatly appreciated.

If you have any questions, please call me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division

Enclosures

RWP

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
AN EQUAL OPPORTUNITY EMPLOYER

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR
December 27, 2006

Librarian
Elizabeth Jones Library
Post Office Box 130
Grenada, MS 38901

FILE COPY

Dear Librarian:

Re: Koppers Inc
Draft Permit Public Notice
Water Ref. No.MSP090300
Grenada County

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Also, enclosed is a copy of information pertinent to the permits. This information should be kept on hand for review by the public until February 4, 2007, after which it may be discarded. The public may photocopy all or any portion of this information, but it should not leave the library.

Finally, enclosed please find a duplication of this letter with a place for your signature and the date acknowledging your receipt of the package and your agreement to carry out our request. A self-addressed stamped envelope is enclosed for your convenience.

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If you have any questions, please call me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division

Enclosure
Received and
Agreed to By:______________________________Title:____________________Date:_________

876 PER20060001 RWP

Vance R. Haskin
Plant Manager

KOPPERS

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

December 20, 2006

Mississippi Department of Environmental Quality
Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

RECEIVED
DEC 2006

CERTIFIED MAIL: 7002 0460 0003 7596 2243

Subject: Koppers Inc.
Grenada Facility, November 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find the November 2006 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: Leslie Hyde – KI CSG

Vance R. Haskin
Plant Manager

KOPPERS

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

November 15, 2006

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 2830

Subject: Koppers Inc.
Grenada Facility, October 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find the October 2006 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: Leslie Hyde – KI CSG

RECEIVED
NOV 2006

Kevin B. Coker
SH&E Supervisor

KOPPERS

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584 X38
Fax 662 226 4588
CokerKB@koppers.com
www.koppers.com

October 25, 2006

Mr. Tommy Wall, P.E.
Mississippi Department of Environmental Quality
Timber and Wood Branch
Environmental Permits Division
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2052

Subject: **State Operating Pretreatment Permit (MSP090300)**
Equipment Modifications
Koppers Inc. – Tie Plant, Mississippi Grenada County

Dear Mr. Wall:

The plant is currently considering the addition of two pieces of equipment that would impact its waste water treatment system.

The first is a Reverse Osmosis Machine (RO). The RO will remove minerals from plant well water currently used to service the treating plant. The benefits of this unit will be a reduction in the overall volume of blow-down waste water generated by the plant's boiler and cooling tower and, thus, a reduction in the hydraulic loading placed on its waste water treatment system (WWTS). The RO will generate a "reject" stream that will be free of organic contaminants and equate to approximately 2,500 gallons per day. Koppers would like to be able to route this water directly to the plant's discharge tank to further reduce the hydraulic load on its WWTS.

The second is an Entrapped Air Flotation (EAF) system. This system would replace the oil/water separators currently in use. Theoretically, the use of an EAF will be much more efficient at removing oils and solids generated in the waste water treatment process as well as enhance the plant's ability to manage them. GE Services has proposed to supply the plant with a mobile EAF for trial purposes. We would like to proceed with the trial phase provided that the MDEQ has no concerns with our doing so.

Koppers believes the addition of this equipment will potentially yield positive benefits to the operation of the Grenada Plant. We seek your advice and direction concerning our remaining compliant to our Pretreatment Permit and applicable regulations as we proceed forward with these projects.

I appreciate your assistance with this matter. When you have an opportunity please give me a call to discuss.

Sincerely,

Kevin B. Coker
SH&E Supervisor

Enclosures

cc: Ms. Leslie Hyde, Koppers Inc.
Mr. James Philley, Grenada POTW

Vance R. Haskin
Plant Manager

KOPPERS

Koppers Inc.
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October 10, 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2809

Subject: Koppers Inc.
Grenada Facility, September 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find a copy of the September 2006 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

CC: Leslie Hyde – KI CSG

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

October 4, 2006

Mr. Kevin Coker
Koppers Industries Inc
PO Box 160
Tie Plant, Mississippi 38960

Dear Mr. Coker:

Water
MSP090300

Re: Inspection Report
Koppers Industries Inc
Tie Plant, Grenada County

Air-Title V Operating	096000012
GP-Wood Treating	MSR220005

Enclosed is a copy of the multimedia inspection reports completed as a result of this office's inspection at Koppers Industries Inc on 6/28/06. The reports should be used by you as a guide for complying with requirements and limitations stated in your permits.

If you have any questions concerning this matter, please contact me at (601) 961-5050.

Sincerely,

Azzam Abu-Mirshid

Azzam Abu-Mirshid
Energy and Transportation Branch
Environmental Compliance and Enforcement Division

Agency Interest No. 876
INS20060001

Kevin B. Coker
SH&E Supervisor

KOPPERS

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October 3, 2006

Mr. Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division
P.O. Box 10385
Jackson, Mississippi 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2298

Subject: **Koppers Inc.**
Water Draft Permit
Ref. No. MSP090300
Grenada County

Dear Mr. Wall:

A review of the proposed draft permit has been conducted. Please accept the following items as proposed edits to the draft.

- The description of Outfall 001 on "Page i of i" of the draft permit does not make reference to "cooling tower blowdown". This source does constitute a waste stream and we therefore request that it be added. An edited version of page 3 of the permit application is attached. Cooling tower blowdown water is included in the narrative description provided in Section 14 of this page.

- On February 24, 2003 the Company's name was changed. The draft permit lists "Koppers Industries, Inc." as the facility operator. We request that this be edited throughout the permit to reflect the Company's current name, "Koppers Inc.". A copy of a notification letter that was sent to the MDEQ concerning this change is attached for your review.

- Page A-1 provides a list of permits that have been issued to the plant. An additional permit currently issued to the facility that is not listed in this appendix is the plant's Well Water Permit (Permit ID MS-GN-02481; issued 02/12/1991; modified 03/24/2003; expires 05/13/2012). It should be added.

  Ownership of the Company changed on December 28, 1988. Permits issued prior to this date would have been issued to Koppers Company, Inc. Permit ID MSU081080 (Water – SOP) was issued prior to this date; however, it is listed under the Alternate/Historic Name of Koppers Industries, Inc. It should be changed to Koppers Company, Inc.

Permit ID 096000012 (Air-Title V Operating) was issued to Koppers Inc. However the appendix references Koppers Industries, Inc as the Alternate/Historic Name. This name should be changed to Koppers Inc.

Lastly, the AIRS/AFS Information System inaccurately lists the name of the facility as Koppers Industries, Inc. at various links. Accordingly, the Alternate/Historic Name associated with ID numbers 876 (Official Site Name), 2804300012 (Air-AIRS AFS), MSD007027543 (Hazardous Waste-EPA ID), and 096000012 (Air-Title V Fee Customer) on the appendix should be changed to "Koppers Inc."

Should you have any questions please contact me at 662-417-4308.

Sincerely,

Kevin B. Coker
SH&E Supervisor

Enclosure

cc: Ms. Leslie Hyde, Koppers Inc.
Mr. Vance Haskin, Koppers Inc.

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

September 19, 2006

FILE COPY

Mayor Billy Collins
Grenada City Hall
Post Office Box 310
Grenada, MS 38901-0310

Honorable Mayor Collins:

Re: Koppers Industries Inc.
Water Ref No. MSP090300
Grenada County

Enclosed please find a copy of the proposed draft permit for the above referenced facility. This draft permit contains conditions that we intend to incorporate as part of the final permit.

If you have any comments concerning the contents of the draft permit, please notify this office in writing no later than October 19, 2006. If you would like to contact me to discuss any of these concerns, please call me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division

Enclosure

876 PER20060001

RWP

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

September 18, 2006

Mr. Vance Haskin
Plant Manager
Koppers Industries Inc
PO Box 160
Tie Plant, MS 38960

Dear Mr. Haskin:

Re: Koppers Industries Inc
Water Draft Permit
Ref. No.MSP090300
Grenada County

Enclosed please find a copy of the proposed draft permit for the above referenced facility. The enclosed draft permit contains conditions that we intend to incorporate as part of the final permit.

Please note the following important changes, conditions and requirements for the draft permit as listed below:

1) Reporting for zinc and nickel will be removed. 2) Purge water from the groundwater monitoring wells be added as an additional source of wastewater.

If you have any comments concerning the contents of the draft permit, please notify this office in writing no later than 15 days from the transmittal date listed above. If you would like to contact me to discuss any of these concerns, please call me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division

cc:

876 PER20060001

Vance Haskin
Plant Manager

DID

KOPPERS

RECEIVED
SEP 1 3 2006
Dept of Environmental Quality
Office of Pollution Control

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www.koppers.com

September 8, 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2861

Subject: Koppers Inc.
Grenada Facility, August 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find a copy of the August 2006 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. A total of one excursion was noted for the parameter of Total Suspended Solids during the reporting period.

The analysis of a sample of the plant's discharge taken on August 25th yielded a result for Total Suspended Solids (TSS) of 682 mg/l compared to a maximum permitted concentration of 600 mg/l. Upon learning of the result discharge activities were ceased and the water contained in the discharge tank was circulated back through the treatment system. The lab was asked to review their quality assurance procedures for the sample results as well as to conduct a second analysis of the sample. The review yielded no changes and the second analysis resulted in a TSS level of 642 mg/l.

Consultations with the plant's waste water treatment consultant indicate that the cause of the excursion may have been linked to the build up of solids in the plant's discharge tank over time. This tank is currently agitated with an air wand to ensure any solids entering the tank remain suspended. The plant is investigating the use of alternate, more effective equipment to prevent this occurrence in the future.

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 Haskin

CC: Leslie Hyde - CSG

Kevin B. Coker
SH&E Coordinator

RECEIVED
SEP - 7 2006
Dept of Environmental Quality
Office of Pollution Control

KOPPERS

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September 5, 2006

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

CERTIFIED MAIL: 7002 0460 0003 7596 2786

Grenada co.

Subject: Koppers Inc.
Grenada Facility - POTW Permit #MSP090300
Total Suspended Solids (TSS) Excursion

Dear Mr. Abu-Mirshid:

Analytical testing of a discharge sample take on August 25, 2006 revealed that Total Suspended Solids (TSS) concentrations exceeded the daily maximum permit limit. Upon learning of the results an investigation commenced and discharge to the POTW was suspended.

At this time the process water in the system is being monitored and re-circulated. We are also working to gather guidance from the plant's waste water consultant. I will apprise you of the results of our investigation as soon as it is completed. Please contact me at 662-417-4308 should you have in questions in the meantime.

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,

Kevin B. Coker

CC Leslie Hyde – KI CSG

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H CHISOLM, EXECUTIVE DIRECTOR

August 21, 2006

Mr. Vance Haskin, Plant Manager
Koppers Industries Inc
PO Box 160
Tie Plant, MS 38960

Dear Mr. Haskin:

Re: Koppers Industries Inc
Grenada County
Water Application
Ref. No.MSP090300 (Revised Application)

This letter is to acknowledge receipt of your application on August 21, 2006. Within forty-five days after the date of receipt of the application, you will be notified either the submitted application is complete or of the major components required to complete the processing of your permit application.

If any of these actions involve construction activities, please notify us of your projected schedule for commencement of construction and completion of construction if this information is not already contained in the submitted application.

If you have any questions regarding the application or the permitting process, please contact Tommy Wall at (601) 961-5171.

Sincerely,

Teresa Dennington

Teresa Dennington
Environmental Permits Division

876 PER20060001

#876
Grenada G

Vance R. Haskins
Plant Manager

KOPPERS

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August 16, 2006

Mr. Brad Kennedy
Mississippi Department of Environmental
Quality
Office of Pollution Control
Environmental Permits Division
Energy and Transportation Branch
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL 7002 0860 0000 1679 8886

Subject: **State Operating Pretreatment Permit (MSP090300)**
Request for Permit Application Modification
Koppers Inc. – Tie Plant, Mississippi

Dear Mr. Kennedy:

In March 2006, the Koppers Inc. facility located at 1 Koppers Drive in Tie Plant, Grenada County, Mississippi submitted an application for the renewal of the current state operating pretreatment permit (MSP090300), which expires on August 31, 2006. Additional wastewater effluent sampling and analysis was conducted after the March 2006 application was submitted. Based on a review of the March 2006 analytical data, Koppers is requesting a modification of the initial permit application. Koppers is submitting the enclosed permit application (Enclosure 1), including Pretreatment Form 2-P, which was completed with the March 2006 analytical data. Based on a conversation between Thomas Kelly of your agency and our consultant on July 28, 2006, this application should be submitted to your attention.

In addition, the facility is proposing to treat a new waste stream, which consists of purge water generated from semi-annual groundwater monitoring for the closed surface impoundment area at the Grenada facility. Koppers estimates that it will treat a maximum of 1,000 gallons of purge water a month. Based on the enclosed groundwater analytical results (Enclosure 2) from the February 1, 2006, sampling event, none of the post-closure monitoring parameters were detected. This is consistent with analytical results reviewed through 2004. As a result of the addition of purge water, pages 2 and 3 of the application were modified and the application was recertified on page 30.

Tables A and B (question #17) of the enclosed Form 2-P describe the Grenada facility's effluent characteristics from Outfall 001, the only treated wastewater outfall at the plant. Any pollutant that was not detected above the detection limit is indicated by a less than (<) symbol and then the detection limit for that pollutant. The tables were completed with the updated March 2006 analytical data with the following exceptions: rows "f" (i.e., temperature winter, maximum daily value) and "g" (i.e., temperature summer, maximum daily value) of Table A have not changed (i.e., this information is the same as the March 2006 application); and the information from the June 2006 Discharge Monitoring Report (DMR) was used to complete rows "e" (i.e., flow rate, maximum daily and maximum 30 day values) and "h" (i.e., pH minimum and maximum, maximum 30 day value) of Table A. A copy of the March 2006 analytical data has also been enclosed for your review (Enclosure 3).

Finally, page 1 of the application has also been modified to indicate the recent change in plant manager. As of August 1, 2006, I will act as the new plant manager and Kopper's authorized agent.

If you have any questions or comments regarding the modified permit application, please do not hesitate to contact me at 662-226-4584, ext. 11.

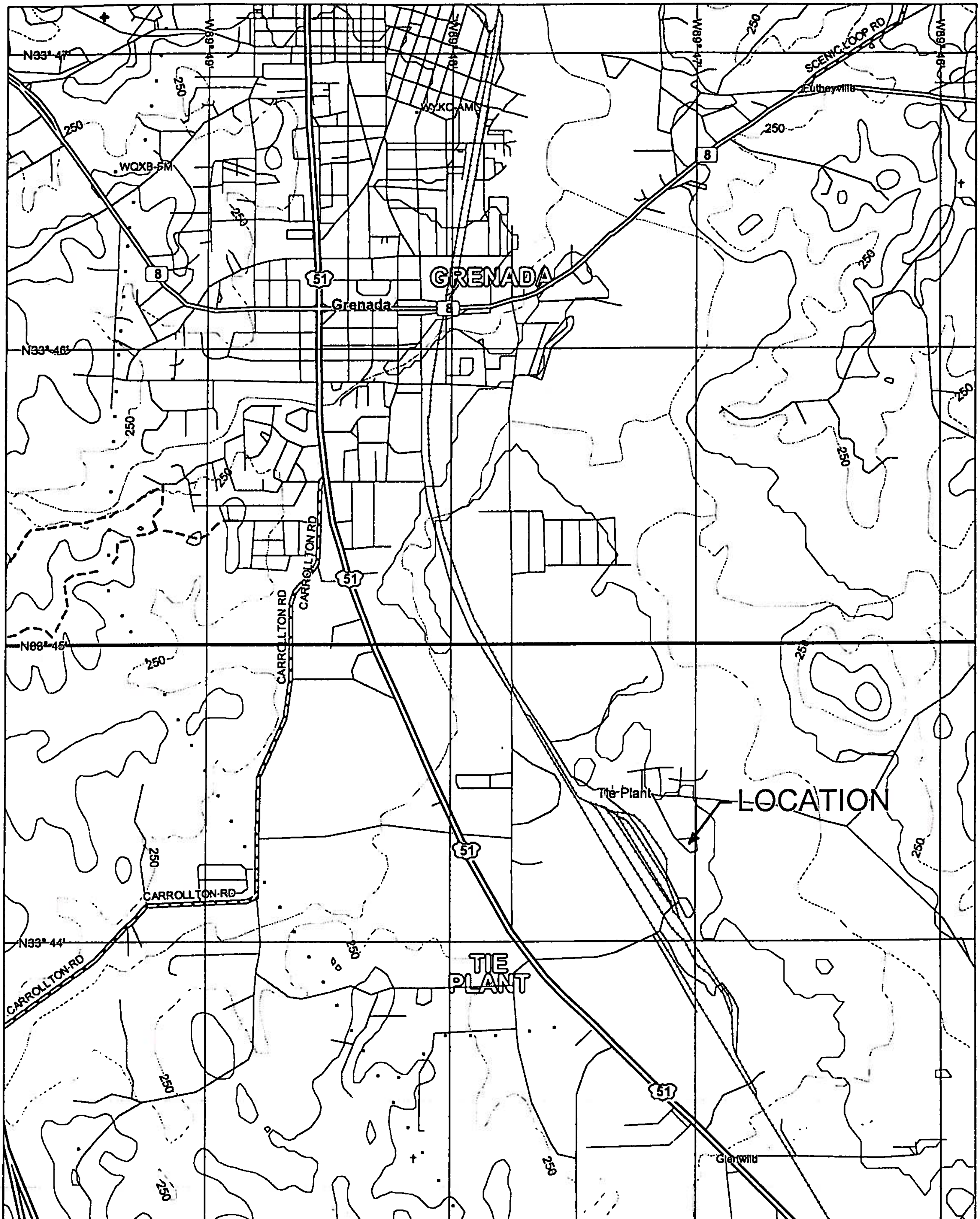
Sincerely,

Vance R. Haskin

Vance R. Haskin
Plant Manager

Enclosures

cc: Ms. Leslie Hyde, Koppers Inc.
Grenada POTW (cover letter only)
Mr. Tommy Wall, MDEQ, OPC, EPD, Timber and Wood Production Branch (cover letter only)
Ms. Krystal Rudolph, MDEQ, OPC, EPD, Energy and Transportation Branch (cover letter only)



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Vance R. Haskin
Plant Manager

RECEIVED
AUG 21 2006
Dept of Environmental Quality
Office of Pollution Control

KOPPERS

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August 18, 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2755

Subject: Koppers Inc.
Grenada Facility, July 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find a copy of the July 2006 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. A total of three excursions were noted for the parameter of pentachlorophenol.

The analysis of a sample of the plant's discharge taken on July 14th yielded a result for pentachlorophenol concentration of 1.27 mg/l. This result exceeded the respective permit maximum of 0.36 mg/l. It also yielded a loading of 0.121 lbs compared to a daily maximum permitted level of 0.105 lbs/day. You were apprised of these two excursions via phone on July 20, 2006 by Kevin Coker, the former plant manager. Documentation of this incident was forwarded to you via a letter on July 21st (Certified Mail: 7002 0460 0003 7596 2588). The third excursion was for the month's average concentration of pentachlorophenol and was computed subsequent to receiving the final analytical results from the July 30th sample.

Upon learning of the July 14th excursion, discharge to the POTW was stopped and an investigation ensued as noted in the July 21st correspondence. As noted in this correspondence the excursion is believed linked to organic loading. An analytical test was conducted on water processed through the system prior to it being discharged to the POTW to ensure compliance. At this time the system is back on line and operating compliantly.

Due to low flow, maintenance activities, and our efforts to ensure compliance by batch feed testing, our normal sampling frequency was interrupted. Analytical data associated with sampling activities is attached.

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 Haskin

CC: Leslie Hyde - CSG

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

August 7, 2006

Mr. Kevin Coker
Plant Manager
Koppers Industries Inc
PO Box 160
Tie Plant, MS 38960

FILE COPY

Dear Mr. Coker:

Re: Koppers Industries Inc
Water Application Complete
Ref. No.MSP090300
Grenada County

Based upon review of the above referenced application(s) received from Koppers Industries Inc on March 6, 2006, the application is complete as submitted. Shortly, the Environmental Permits Division will transmit a draft of the permit for your review and comment.

If you have any questions regarding the application or the permitting process, please contact me at (601) 961-5193.

Sincerely,

Tommy Wall

Tommy Wall, P.E.
Timber and Wood Branch
Environmental Permits Division

cc: DID

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
AN EQUAL OPPORTUNITY EMPLOYER

Kevin B. Coker
Plant Manager

KOPPERS

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July 26, 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2700

Subject: Koppers Inc.
Grenada Facility, June 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find a copy of the June 2006 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during the reporting period. If you have any questions please call me at 662-226-4584, extension 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,

Kevin B. Coker

CC: Patrick Stark – KI CSG

RECEIVED
JUL 2006

water
MSP090300
Grenada C

Kevin B. Coker
Plant Manager

KOPPERS

RECEIVED
JUL 27 2006
Dept of Environmental Quality
Office of Pollution Control

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July 21, 2006

Mr. Azzam Abu-Mirshid, P.E.
Mississippi Department of Environmental Quality
Timber And Wood Products Branch - ECED
Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2588

Subject: Koppers Inc. Grenada Facility – Permit Excursion

Dear Mr. Abu-Mirshid:

The analysis of a sample from the plant's waste water treatment system discharged on July 14th revealed that pentachlorophenol levels were at 1.26 mg/l. The quantity discharged with this sampling event totaled 11,479 gallons which equates to 0.121 lbs. Consequently, the concentration and loading limits for this constituent exceeded permit limits for this sampling event. The balance of the permit parameter results for this sampling event are pending at this time.

Upon learning of the excursion on July 19th waste water treatment activities were discontinued. We've since been in contact with the plant's consultant and are working to determine necessary corrective actions to eliminate the risk of a repeat excursion. Thus far the cause of the excursion has been linked to a high organic loading in the waste water.

Incidentally a subsequent sample was taken on July 18th prior to our knowledge of the excursion. The results of the analysis of this sampling event were within the permit limits.

Should you have any questions or concerns please call.

Sincerely,

Kevin B. Coker

CC: Leslie Hyde – Koppers CSG

-water
MS0090
Grenada

Kevin B. Coker
Plant Manager

KOPPERS

RECEIVED
JUL - 7 2006
Dept of Environmental Quality

Koppers Inc.
Utility Poles and Piling
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Cokerkb@koppers.com
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July 5, 2006

Mr. Azzam Abu-Mirshid, P.E.
Mississippi Department of Environmental Quality
Timber And Wood Products Branch - ECED
Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2595

Subject: Koppers Inc. Grenada Facility - Spill Notification

Dear Mr. Abu-Mirshid:

On Wednesday, June 28th a spill of treated effluent water occurred. The NRC (Incident No. 802374), MDEQ and LEPC were notified of this incident.

The incident occurred due to a 3" sewer line rupturing as it was being air tested to ensure the absence of leaks. In the process the line separated at a joint releasing approximately 20 gallons of treated effluent water to the soil. The water was removed from the soil.

The line was repaired and a second air pressure test was placed on the line again. No leaks were identified in the line as a result of this pressure test.

Should you have any questions or concerns please call.

Sincerely,

Kevin B. Coker

CC: Patrick Stark – KI CSG

Kevin B. Coker
Plant Manager

Rena. Water MSP090306

KOPPERS

RECEIVED
JUN 1 2 2006
Dept of Environmental Quality
Office of Pollution Control

Koppers Inc.
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www.koppers.com

June 9, 2006

Mr. Azzam Abu-Mirshid, P.E.
Mississippi Department of Environmental Quality
Timber And Wood Products Branch - ECED
Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2045

Subject: Koppers Inc. Grenada Facility - Spill Notification

Dear Mr. Abu-Mirshid:

On Monday, June 5, 2006 a spill of treated effluent water was discovered. The NRC (Incident No. 799641), MDEQ and LEPC were notified of this incident.

The incident occurred due to a 3" sewer line being damaged. The line skirts along the western side of the property and drains to the north inevitably feeding to the City of Grenada's sewer system. The area where the break occurred was located approximately 500 yards from the point of discharge and situated in a vegetated and obscure location. The pipe was exposed in the bottom of a ditch where erosion had displaced soil from around it. It appeared as though soil displaced by equipment attempting to grade the area had impacted the line and broke it.

The line was repaired in the area of the break upon discovery. Subsequent to the repair the area was inspected to ensure additional leaks were not present. An air pressure tests was conducted on the line on Thursday, June 8th. The test revealed an additional breach in the line that was also repaired. Two final pressure tests were conducted on the line to ensure no additional leaks were present. None were revealed.

Should you have any questions or concerns please call.

Sincerely,

Kevin B. Coker

CC: Patrick Stark – KI CSG

Kevin B. Coker
Plant Manager

KOPPERS

Koppers Inc.
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P. O. Box 160
Tie Plant, MS 38960
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Cokerkb@koppers.com
www.koppers.com

May 25, 2006

RECEIVED
MAY 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2038

Subject: Koppers Inc.
Grenada Facility, April 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find a copy of the April 2006 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. There were no excursions during the reporting period. If you have any questions please call me at 662-226-4584, extension 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,

K. B. Coker

Kevin B. Coker

Kevin B. Coker
Plant Manager

KOPPERS

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584
Fax 662 226 4588
Cokerkb@koppers.com
www.koppers.com

April 25, 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 1994

Subject: Koppers Inc.
Grenada Facility, March 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find a copy of the March 2006 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. The DMR required for semiannual metals testing is also attached. Please note that neither discharge nor sampling activities were conducted on March 31 due to our experiencing an upset in our waste water treatment system. There were no excursions on either report.

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,

Kevin B. Coker

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

TO: Azzam Abu-Mirshid

FROM: Randy Jones, NRO

DATE: April 7, 2006

SUBJECT: Koppers Industries Inc
AI: 876 , MSP090300
Grenada County

On Wednesday, April 5, 2006, I went to the above site to do compliance monitoring sampling. I met with Mr. Kevin Coker, Plant Manager, and Mr. Farrell Wilson, Wastewater Operator. A composite sampler was set up at outfall 001. The strainer was placed in the effluent access line prior to discharge to the City of Grenada's POTW.

I returned on Thursday, April 6, 2006, and I met with Mr. Coker and Mr. Wilson again. A composite sample was taken for BOD, TSS, Cu, As, Cr, Ni, and Zn analysis. The composite sample temperature was 2.1°C, and the sample was split with the facility. Grab samples were collected for total phenols, pentachlorophenol, and oil and grease. The pH of the effluent was 7.65 s.u. at 22.8°C. The twenty-four hour flow was 0.020505 mgd.

No problems were noted during the inspection.

If I may be of further assistance, please advise.

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

March 7, 2006

Mr. Kevin Coker, Plant Manager
Koppers Industries Inc
PO Box 160
Tie Plant, MS 38960

Dear Mr. Coker:

Re: Koppers Industries Inc
Grenada County
Water Application
Ref. No. MSP090300

This letter is to acknowledge receipt of your application on March 6, 2006. Within forty-five days after the date of receipt of the application, you will be notified either the submitted application is complete or of the major components required to complete the processing of your permit application.

If any of these actions involve construction activities, please notify us of your projected schedule for commencement of construction and completion of construction if this information is not already contained in the submitted application.

If you have any questions regarding the application or the permitting process, please contact Maya Rao at (601) 961-5171.

Sincerely,

Teresa Dennington

Teresa Dennington
Environmental Permits Division

876 PER20060001

Kevin B. Coker
Plant Manager

#876

FILE COPY

RECEIVED
MAR 6 - 2006
Dept of Environmental Quality
Office of Pollution Control

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584
Fax 662 226 4588
Cokerkb@koppers.com
www.koppers.com

March 3, 2006

Certified Mail: 7002 0460 0003 7596 2250

Ms. Krystal Rudolph
Energy and Transportation Branch
Environmental Permits Division
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson , Mississippi 39289-0385

Subject: Koppers Inc.
Expiring Permit
Permit No.: MSP090300

Dear Ms. Rudolph:

The attached is a new permit application for the Koppers Inc. Grenada Plant. Once you've had an opportunity to review please give me a call with any questions.

Sincerely,

Kevin B. Coker

cc: Patrick Stark KI-CSG

Kevin B. Coker
Plant Manager

KOPPERS

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584
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Cokerkb@koppers.com
www.koppers.com

February 21, 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0860 0000 1679 8985

Subject: Koppers Inc.
Grenada Facility, January 2006 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find a copy of the January 2006 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,

Kevin B. Coker

Kevin B. Coker
Plant Manager

KOPPERS

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Utility Poles and Piling
P. O. Box 160
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Cokerkb@koppers.com
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January 23, 2006

Environmental Compliance Division
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 1802

Subject: Koppers Inc.
Grenada Facility, December 2005 - POTW Permit #MSP090300
Discharge Monitoring Report (DMR)

Dear Sir or Madam:

Enclosed you will find a copy of the December 2005 Discharge Monitoring Report (DMR) for Koppers Inc. located in Tie Plant, MS. Please note that the DMR addressing the metals testing requirements of our permit for the second half of 2005 is also attached. There were no excursions on either DMR during these reporting periods.

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,

Kevin B. Coker

PRETREATMENT RATIONALE FOR [ISSUANCE/RENEWAL/MODIFICATION]

Koppers Industries Inc
Grenada
Tie Plant, MS
AI- 13156

MSP090300
SIC: 2491
October 25, 2006
Permit Engineer: Tommy Wall

I. FACILITY INFORMATION

FILE COPY

A. Nature of Business: Creosote and pentachlorophenol wood treater

B. Process Wastewater Description: Wastewater consists of stormwater, water removed from the conditioning of wood, stormwater collected from the wood treating area, boiler blowdown, groundwater purged from monitoring wells during sampling events for the closed RCRA surface impoundment and washdown water from the cleaning of the drip pad and equipment.

C. Proposed Flowrate: 35,000 gpd at a maximum batch discharge of 15,000 gallons. Approximately 2.3 discharges per day.
Two additional sources of wastewater have been added since the first draft. They are (1) a maximum of 1000 gallons/month of purge water from groundwater monitoring wells. All constituents tested were non-detect which included pentachlorophenol, phenols, and PAHs. (2) approximately 1500 gallons per month of wastewater generated from the backflushing of a "GE Osmonics" brand water softner to remove hardness from the groundwater that supplies the boilers.

D. Applicable Federal Guidelines: Timber Products Processing Point Source Category; Subpart G- Wood Preserving Steam Subcategory – 40 CFR Part 429.85. Pretreatment standards for existing sources (PSES).

II. RECEIVING POTW INFORMATION

A. POTW and Permit Number: Grenada POTW, MS0020397.

B. POTW Treatment Type: wastewater is collected and treated biologically by means of two sequential aerated lagoons followed by a facultative lagoon. Before discharging, the facility uses chlorine disinfection, and sulfur dioxide dechlorination.

C. POTW Design Flowrate: 3.4 MGD

D. POTW Receiving Stream: Yalobusha River

E. POTW Receiving Stream 7Q10 ($Q_{7/10}$): 55.0 cfs

III. PERTINENT FLOWRATE AND LOADING DATA

A. POTW 12-month Average Flowrate (Q_{POTW}):

June 2006 - 1.6 mgd
May 2006- 2.7 mgd
April 2006 – 2.3 mgd Average = 2.48 mgd
March 2006 – 3.2 mgd
Feb 2006 - 3.3 mgd

January 2006- 3.3 mgd
December 2005 – 2.6 mgd
November 2005 – 2.4 mgd
October 2005 – 1.7 mgd
September 2005 – 2.3 mgd
August 2005 – 2.0 mgd
July 2005 - 2.4 mgd

B. Industrial Facilities Flowrate Data:

Valley Racks -	1100 gallons batch / once a month
Binswanger Mirror –	110,000 GPD
Outkumpu Heatcraft LLC –	210,000 gpd
Koppers	35,000 gpd
Pennaco Hoisery	160000 gpd
	481,135 gpd

C. Current Maximum Permitted Loads (X_{ta}):

Parameter	Binswanger	Koppers	Outokumpu	Total
Chromium	2.5412	1.168	.492	4.20
Copper	3.1008	.642	4.597	8.34
Lead	.0642		.236	.300
Nickel	3.6513		1.254	4.90
TTO	1.9541		.423	2.38
Cyanide	1.1009			1.10
Zinc	2.3944		4.266	6.66
Phenols		1.75		1.8
Pentachlorophenol		.105		.105
Arsenic		.131		.131
Silver	.2202			.220
Cadmium	.633			.633

D. Maximum 30-day Average Discharge Value (X_t) using the most recent 12 months of DMR data:

Parameter	Binswanger	Koppers	Outokumpu	Total
CHROMIUM	ND	ND	.029	.029
COPPER	2.17	.002	.053	2.23
Lead	ND		.029	.029
Nickel	ND	.004	.012	.016
TTO	ND		.022	.022
Cyanide	ND			ND
Zinc	.352	.012	.18	.544
PHENOLS		ND		ND
PENTACHLOROPHENOL		.044		.044
ARSENIC		ND		ND

Silver	.03			.03
Cadmium	ND			ND

IV. BACKGROUND/DOMESTIC LOADING CALCULATIONS

Background Loading (BG_L), $lb/d = 8.34 \times BG_C(mg/L)_{(1)} \times (Q_{POTW} - \Sigma Q_{INDUSTRIAL(2)})(MGD)$

[1] BG_C = Background concentration of domestic sewage. Calculated from actual POTW data as shown in Appendix A or literature values from Table 3-13 of the EPA Guidance Manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Program (December 1987) for those pollutants with insufficient data.

[2] $\Sigma Q_{INDUSTRIAL} = Q_{W1} + Q_{W2} + \ldots$
where Q_W is the largest average flowrate from the DMR over the last twelve months. (Maximum daily flow data may be used when monthly average data is not available.)

Background Loading (BG_L), $lb/d = 8.34 \times BG_C(mg/L)_{(1)} \times (Q_{POTW} - \Sigma Q_{INDUSTRIAL(2)})(MGD)$

(BG_L) (Cu) $lb/d = 8.34 \times (0.176\ mg/l) \times (3.4 - .481) = 4.28\ lb/day$
$BG_L)$ (Cr) $lb/d = 8.34 \times (0.005\ mg/l) \times (3.4 - .481) = .122\ lb/day$
$BG_L)$ (Ar) $lb/d = 8.34 \times (0.005\ mg/l) \times (3.4 - .481) = .122\ lb/day$
$BG_L)$ (Zn) $lb/d = 8.34 \times (0.082\ mg/l) \times (3.4 - .481) = 2.00\ lb/day$
$BG_L)$ (Nickel) $lb/d = 8.34 \times (0.01\ mg/l) \times (3.4 - .481) = .243\ lb/day$
$BG_L)$ (phenol) $lb/d = 8.34 \times (0.005\ mg/l) \times (3.4 - .481) = .122\ lb/day$
$BG_L)$ (pentachlorophenol) $lb/d = 8.34 \times (0.025\ mg/l) \times (3.4 - .481) = .609\ lb/day$

V. WATER QUALITY ANALYSIS

A. Instream Wastewater Concentration$_{(1)}$

$IWC, \% = Q_{POTW} / (Q_{POTW} + Q_{7/10}) \times 100$
IWC = 2.48/ (2.48 + 35.55) = 6.5%

B. Allowable Water Quality Criteria (AWQC) Headworks Loading Calculations

$AWQC, lb/day = 8.34 \times C_{CRITICAL}(mg/L)_{(2)} \times (Q_{7/10} + Q_{POTW}, MGD) / (1 - R_{POTW(3)})$

(Acute)
$AWQC, lb/day\ (Cu) = 8.34 \times .007 mg/l \times (2.48 + 35.55\ MGD) / (1 - .92) = 27.8$
$AWQC, lb/day\ (Cr) = 8.34 \times .323\ mg/l \times 38.03\ MGD) / (1 - .82) = 569$

$$AWQC,\ lb/day\ (Zinc) = 8.34 \times .065 mg/l \times 38.03\ MGD) / (1 - .823) = 116.5$$
$$AWQC,\ lb/day\ (Nickel) = 8.34 \times .260\ mg/l \times 38.03\ MGD / (1 - .42) = 142$$
$$AWQC,\ lb/day\ (phenol) = 8.34 \times .\ 300\ mg/L) \times (38.03\ MGD) / (1 - .90) = 951$$
$$AWQC,\ lb/day\ (penta) = 8.34 \times .0087\ mg/L \times 38.03\ MGD) / (1 - .77) = 12.00$$

Chronic

$$AWQC,\ lb/day\ (Cu) = 8.34 \times .005\ mg/l \times (2.48 + 35.55\ MGD) / (1 - .92) = 19.8$$
$$AWQC,\ lb/day\ (Cr) = 8.34 \times .042\ mg/l \times 38.03\ MGD) / (1 - .82) = 74.0$$
$$AWQC,\ lb/day\ (Zinc) = 8.34 \times .065 mg/l \times 38.03\ MGD) / (1 - .823) = 116.5$$
$$AWQC,\ lb/day\ (Nickel) = 8.34 \times .029\ mg/l \times 38.03\ MGD / (1 - .42) = 15.9$$
$$AWQC,\ lb/day\ (phenol) = 8.34 \times .102\ mg/L) \times (38.03\ MGD) / (1 - .90) = 323$$
$$AWQC,\ lb/day\ (penta) = 8.34 \times .0067\ mg/L \times 38.03\ MGD) / (1 - .77) = 9.23$$

[1] If IWC $\leq$ 1%, only an acute screening is developed. If IWC > 1%, an acute and chronic screening are developed.

[2] $C_{CRITICAL}$ = State of Mississippi Water Quality Criteria (adopted October 24, 2002) or EPA Water Quality Criteria, if there is no state criteria.

[3] R_{POTW} = Removal efficiency, in decimal form, from actual POTW data (Appendix B) or from MDEQ study or EPA Guidance Manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Program for those pollutants with insufficient data.

VI. POTW INHIBITION ANALYSIS (HEADWORKS INHIBITION, HWI)

$$HWI,\ lb/day = 8.34 \times Q_{POTW}(MGD) \times C_{INH}(mg/L)_{(1)}$$

$$HWI,\ lb/day(Cu) = 8.34 \times 2.48\ MGD \times 1.0\ mg/l = 20.7\ lb/day$$
$$HWI,\ lb/day(Cr) = 8.34 \times 2.48\ MGD \times 1.0\ mg/l = 20.7\ lb/day$$
$$HWI,\ lb/day(Ni) = 8.34 \times 2.48\ MGD \times 1.0\ mg/l = 20.7\ lb/day$$
$$HWI,\ lb/day(Zn) = 8.34 \times 2.48\ MGD \times 1.0\ mg/l = 20.7\ lb/day$$
$$HWI,\ lb/day(As) = 8.34 \times 2.48\ MGD \times .1\ mg/l = 2.07\ lb/day$$
$$HWI,\ lb/day(penta) = 8.34 \times 2.48\ MGD \times .95\ mg/l = 19.7\ lb/day$$
$$HWI,\ lb/day(phenol) = 8.34 \times 2.48\ MGD \times 50\ mg/l = 1035\ lb/day$$

[1] C_{INH} = Activated Sludge Inhibition Threshold Levels, from Table 3-2 of the EPA Guidance Manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Program, or other appropriate inhibition study data.

VII. LIMITING CASE (L_C) SUMMARY TABLE

Parameter	HWI (lb/day)	Acute AWQC (lb/day)	Chronic AWQC (lb/day)	POTW L_C (lb/day)[1]	L_C (lb/day)	BG_L (lb/day)	X_{tat} (lb/day)	X_{tt} (lb/day)	$BG_L < L_C$ (Pass/Fail)	$X_{tat} < L_C$ (Pass/Fail)	$X_{tt} < L_C$ (Pass/Fail)
Copper	20.7	20.8	19.8	N/A	19.8	4.28	8.34	2.23	Pass	Pass	Pass
Chromium	20.7	569	74.0	N/A	20.7	.122	4.20	.029	Pass	Pass	Pass
Nickel	20.7	142	15.9	N/A	15.9	.243	4.90	.016	Pass	Pass	Pass
Zinc	20.7	116	116	N/A	20.7	2.00	6.66	.544	Pass	Pass	Pass
Arsenic	2.07			N/A	2.07	.122	.131	ND	Pass	Pass	Pass
Pentachlorophenol	19.7	12.0	9.23	N/A	2.90	.609	.105	.044	Pass	Pass	Pass
Phenol	1035	951	323	N/A	323	.122	1.8	ND	Pass	Pass	Pass

[1] If the POTW has a limit for a specific parameter, industrial loading is limited to the amount the POTW can accept and still meet the limit. If there is no specific limit, this column does not apply. POTW L_C (lb/day) = (8.34 x C_{POTW}(mg/L) x Q_{POTW} (MGD)) / (1 – R_{POTW}), where C_{POTW} is the POTW concentration limit in mg/L.

VIII. DEVELOPMENT OF ALLOWABLE CONCENTRATIONS

The remaining industrial wasteload allocation will be used in calculating allowable acute and chronic concentrations using the "Concentration Limit Method Based on Industrial Contributory Flow" method as described in the EPA Guidance Manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Program.

P_{AI}, *lb/day* = (L_C, *lb/day* – BG_L, *lb/day*) (Q_I, *MGD* / Q_T, *MGD*)
P(Copper) = (19.8 – 4.28) (35,000 / 481,000) = 1.12 lb/day
P(Chromium) = (20.7 -0 .122) (35,000 / 481,000) = 1.50 lb/day
P(Nickel) = (15.9 – .243) (35,000 / 481,000) = 1.14 lb/day
P(Zinc) = (20.7 – 2.00) (35,000 / 481,000) = 1.36 lb/day
P(Arsenic) = (2.07-.122) (35,000 / 481,000) =.15 lb/day
P(Pentachlorophenol) = (9.23 - .609) (35,000 / 481,000) = .627 lb/day
P(Phenol) = (323-.122) (35,000 / 481,000) = 23.5 lb/day

C_{ALLOW}, *mg/L* = (P_{AI}, *lb/day*) / (8.34 x Q_I, *MGD*)

C (Copper) mg/L =1.12 / (8.34 x .035)= 3.9 mg/l
C (Chromium) mg/L =1.50 / (8.34 x .035)= 5.14 mg/l
C (Nickel) mg/L =1.14 / (8.34 x .035)= 3.90 mg/l
C (Zinc) mg/L =1.36 / (8.34 x .035)= 4.66 mg/l
C (Arsenic) mg/L =.15 / (8.34 x .035)= .51 mg/l
C (pentachlorophenol) mg/L =.627 / (8.34 x .035)=2.15 mg/l
C (phenol) mg/L =23.5 / (8.34 x .035)= 80.5 mg/l

Where,

P_{AI}	=	Permit allocation for indirect discharger
C_{ALLOW}	=	Allowable concentration for indirect discharger
Q_I	=	Applicant's permitted process discharge
Q_T	=	Total industrial contributory flow for pertinent pollutants
LC	=	Limiting case loading
BG_L	=	Background/domestic loading

IX. PROPOSED PERMIT LIMITATIONS

Parameter	Reported Max Conc	HWI	Allowable Concentration		Categorical Limits		Current Permit Limits		Proposed Permit Limits		Sampling Frequency	Sample Type	Basis of Decision[1]
			Acute (mg/L)	Chronic (mg/L)	Max (mg/L)	Avg. (mg/L)	Max. (mg/L)	Avg. (mg/L)	Max. (mg/L)	Avg. (mg/L)			
Copper	.017	4.1	4.1	3.9	5		2.2	Report	2.2	Report	Semiannually	24-hr Comp	Previous limits
Chromium	ND @ .05	5.1	141.8	18.4	4		4.0	Report	4.0	Report	Semiannually	24-hr Comp	Cat.
Nickel	.06	5.1	35.3	3.9			Report	Report					
Zinc	.286	4.7	28.4	28.4			Report	Report					
Arsenic	ND @ .05	.51	N/A	N/A	4		.45	Report	.45	Report	Semiannually	24-hr Comp	Previous limits
Pentachloro-phenol	.044	4.76	2.84	2.15			.36	.18	.36	.18	Weekly	Grab	Previous limits
Phenol	ND @ .05	258	237	80.5			6	3	6	3	Weekly	Grab	Previous limits
Oil & Grease	L.T. 2.0				100		100	Report	100	Report	Weekly	Grab	Cat
BOD							480	240	480	240	Weekly	24-hr Comp	Previous limits
TSS							600	300	600	300	Weekly	24-hr comp	Previous limits

[1] Basis of Decision: WQC = Water Quality Criteria; TBEL = Technology-Based Effluent Limitation; BPJ = Best Professional Judgment; etc.

X. STATEMENT OF BASIS (narrative)

PH will be sampled twice per week and reported monthly. Limits will be between 5.5 and 9.5 S.U.

APPENDIX A

BACKGROUND CONCENTRATION OF DOMESTIC SEWAGE

Date	Copper	Chromium	Arsenic	Zinc	Nickel	Phenol	Penta
MRL	.05mg	.01mg	.01mg	.05mg	.04mg	10ug	50ug
11/03/04	.121	MRL	MRL	.088	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	79%			71%			
11/17/04	.076	MRL	MRL	.130	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	67%			81%			
12/08/04	.078	MRL	MRL	MRL	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	68%						
12/21/04	.308	MRL	MRL	.089	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	92%			71.9%			
01/05/05	.537	MRL	MRL	.146	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
	95.3%			82.3%			
Date	Copper	Chromium	Arsenic	Zinc	Nickel	phenol	Penta
01/18/05	.089	MRL	MRL	.072	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRl	MRL	MRL
% Rec	72%			65%			
2/2/05	.09	MRL	MRL	.08	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	72.2%			68.8%			

2/15/05	.188	MRL	MRL	.076	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	86.7%			67.1%			
3/08/05	.068	MRL	MRL	.068	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	63.2%			63.2%			
3/23/05	.196	MRL	MRL	.066	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	87.2%			62%			
4/12/05	.258	MRL	MRL	MRL	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	90.3%						
4/26/05	.102	MRL	MRL	.123	MRL	MRL	MRL
	MRL	MRL	MRL	MRL	MRL	MRL	MRL
% Rec	75.5%			79.7%			
Influent AVG	.176	.005	.005	.082	.02	5	25
% Rec	92%			82.3%			

Vance R. Haskins
Plant Manager

KOPPERS

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584 X11
Fax 662 226 4588
HaskinVR@koppers.com
www.koppers.com

RECEIVED
AUG 21 2006
Dept of Environmental Quality
Office of Pollution Control

August 16, 2006

Mr. Brad Kennedy
Mississippi Department of Environmental Quality
Office of Pollution Control
Environmental Permits Division
Energy and Transportation Branch
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL 7002 0860 0000 1679 8886

Subject: State Operating Pretreatment Permit (MSP090300)
Request for Permit Application Modification
Koppers Inc. – Tie Plant, Mississippi

Dear Mr. Kennedy:

In March 2006, the Koppers Inc. facility located at 1 Koppers Drive in Tie Plant, Grenada County, Mississippi submitted an application for the renewal of the current state operating pretreatment permit (MSP090300), which expires on August 31, 2006. Additional wastewater effluent sampling and analysis was conducted after the March 2006 application was submitted. Based on a review of the March 2006 analytical data, Koppers is requesting a modification of the initial permit application. Koppers is submitting the enclosed permit application (Enclosure 1), including Pretreatment Form 2-P, which was completed with the March 2006 analytical data. Based on a conversation between Thomas Kelly of your agency and our consultant on July 28, 2006, this application should be submitted to your attention.

In addition, the facility is proposing to treat a new waste stream, which consists of purge water generated from semi-annual groundwater monitoring for the closed surface impoundment area at the Grenada facility. Koppers estimates that it will treat a maximum of 1,000 gallons of purge water a month. Based on the enclosed groundwater analytical results (Enclosure 2) from the February 1, 2006, sampling event, none of the post-closure monitoring parameters were detected. This is consistent with analytical results reviewed through 2004. As a result of the addition of purge water, pages 2 and 3 of the application were modified and the application was recertified on page 30.

Tables A and B (question #17) of the enclosed Form 2-P describe the Grenada facility's effluent characteristics from Outfall 001, the only treated wastewater outfall at the plant. Any pollutant that was not detected above the detection limit is indicated by a less than (<) symbol and then the detection limit for that pollutant. The tables were completed with the updated March 2006 analytical data with the following exceptions: rows "f" (i.e., temperature winter, maximum daily value) and "g" (i.e., temperature summer, maximum daily value) of Table A have not changed (i.e., this information is the same as the March 2006 application); and the information from the June 2006 Discharge Monitoring Report (DMR) was used to complete rows "e" (i.e., flow rate, maximum daily and maximum 30 day values) and "h" (i.e., pH minimum and maximum, maximum 30 day value) of Table A. A copy of the March 2006 analytical data has also been enclosed for your review (Enclosure 3).

Finally, page 1 of the application has also been modified to indicate the recent change in plant manager. As of August 1, 2006, I will act as the new plant manager and Kopper's authorized agent.

If you have any questions or comments regarding the modified permit application, please do not hesitate to contact me at 662-226-4584, ext. 11.

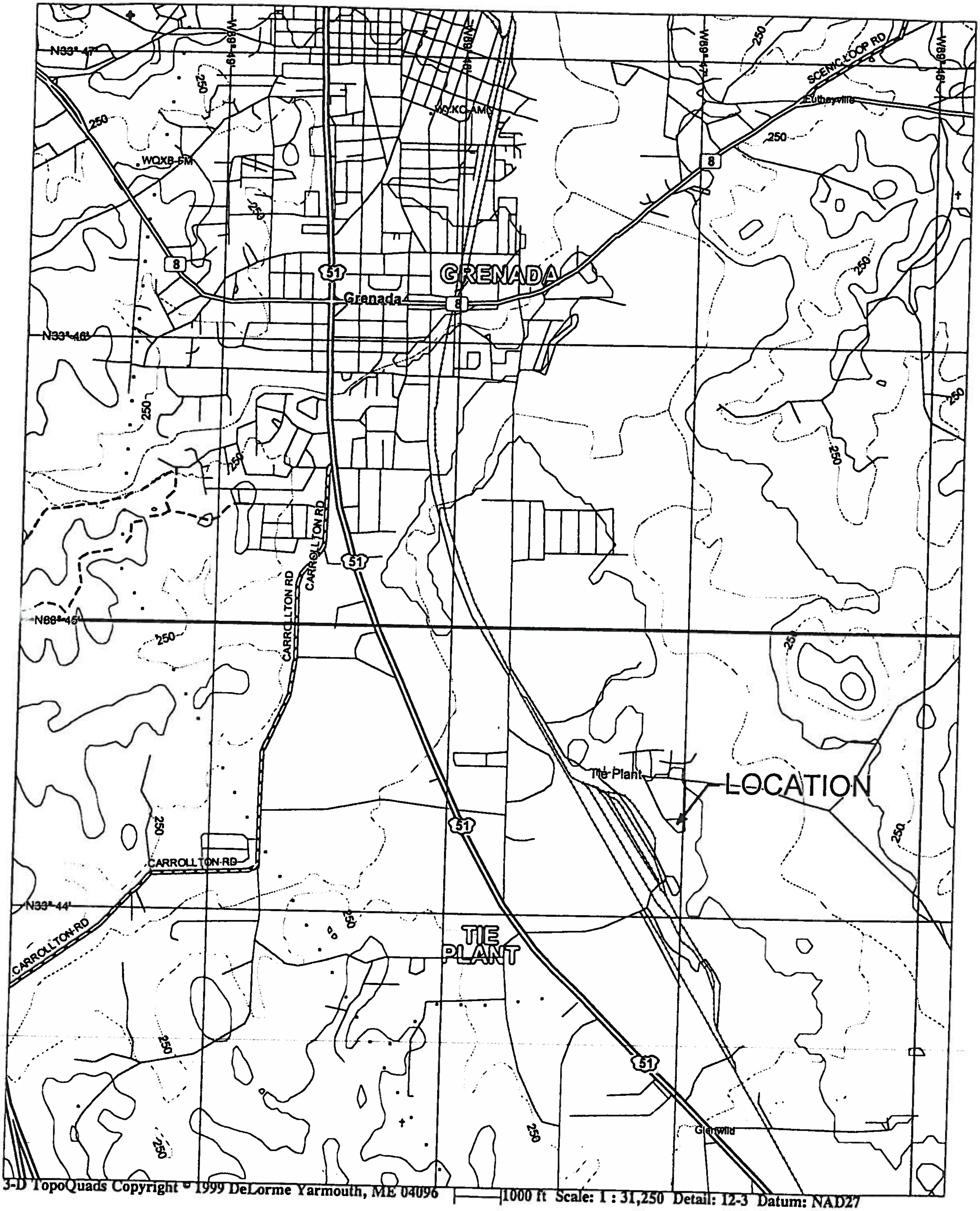
Sincerely,

Vance R. Haskin

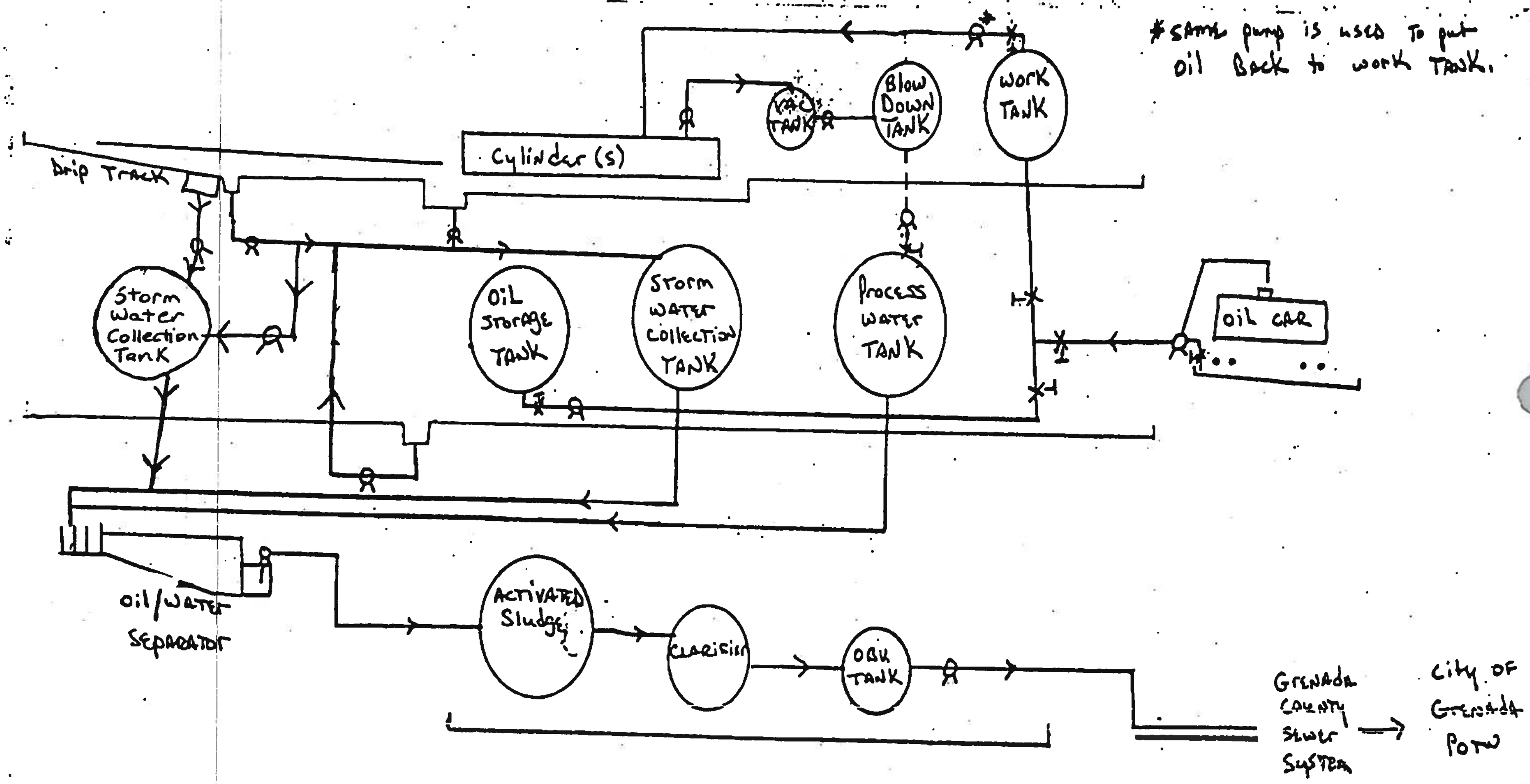
Vance R. Haskin
Plant Manager

Enclosures

cc: Ms. Leslie Hyde, Koppers Inc.
Grenada POTW (cover letter only)
Mr. Tommy Wall, MDEQ, OPC, EPD, Timber and Wood Production Branch (cover letter only)
Ms. Krystal Rudolph, MDEQ, OPC, EPD, Energy and Transportation Branch (cover letter only)



 1000 ft Scale: 1 : 31,250 Detail: 12-3 Datum: NAD27



$\bar{X}$ = valves
Ω = pumps

KOPPERS Industries, INC
P.O. BOX 160
TIE PLANT, MS 38960
LOCATED SOUTH OF
GRENADA, MS

Enclosure 2 –
Groundwater Analytical Results

FTS

Field & Technical Services

200 Third Avenue • Carnegie, PA 15106 • Phone: 412-429-2694 • Fax: 412-279-4512

May 4, 2006

Via Certified Mail

Environmental Permits Division, Chief
Mississippi Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

RE: **2006 RCRA First Semiannual Groundwater Monitoring Report**
Beazer East, Inc., Grenada, Mississippi Facility
Hazardous Waste Management Permit No. 88-543-01
EPA ID# MSD 007 027 543

Dear Sir or Madam:

Field & Technical Services LLC (FTS), on behalf of Beazer East, Inc. (Beazer), herein submits the 2006 First Semiannual Groundwater Monitoring Report under Hazardous Waste Management Permit Number 88-543-01 (Permit). This report presents the groundwater monitoring data collected during the February 1, 2006 first semiannual groundwater monitoring event.

The groundwater monitoring program for the closed Resource Conservation and Recovery Act (RCRA) surface impoundment (SI) includes semiannual gauging and sampling of two upgradient monitoring wells (R-01R and R-10A) and six downgradient monitoring wells (R-07, R-08, R-08B, R-09, R-09C and R-09D) (Figure 1). In addition, to provide accurate determinations of groundwater flow rate and direction around the closed SI, twelve additional wells were gauged during the semiannual event. Four monitoring wells could not be gauged, R-11, R-24, R-25, and R-26 during this semiannual event. Monitoring well R-11 was under water and monitoring wells R-24, R-25, and R-26 could not be located as they were buried during regrading of the adjacent access road.

Field Procedures and Results

In accordance with the *Sampling and Analysis Plan* (SAP) (Chester, 1994)[1], the FTS field crew completed the following tasks:

- Gauged and recorded depth to water, depth to light non-aqueous phase liquid (LNAPL) if present, depth to dense non-aqueous phase liquid (DNAPL) if present, and total well depth in 20 wells;
- Purged the eight RCRA wells in preparation for sampling and measured and recorded field parameters (pH, temperature, and specific conductance) while purging; and,
- Collected groundwater samples in accordance with the Permit and the SAP.

Groundwater elevations collected during the February 2006 event are presented in Table 1 and were also used to construct the groundwater potentiometric surface map shown in Figure 2. As shown on Table 1, LNAPL and DNAPL were not present in the eight RCRA monitoring wells. However, during this semiannual event, a trace DNAPL layer was observed in non-RCRA gauging well R-20. This observation is consistent with historical observations as DNAPL has been sporadically detected in this well. The groundwater elevation measured in R-04 was anomalously lower this semiannual event than historical measurements. Beazer will continue to monitor the groundwater elevation in monitoring well R-04, as well as the wells listed in Table 1, during future semiannual monitoring events.

The FTS field crew sampled the eight RCRA groundwater monitoring wells using disposable polyvinyl chloride (PVC) bailers. While purging, they measured and recorded pH, specific conductance, and temperature to document changes in purge water quality. Appendix A contains copies of the field forms.

The field crew continued purging until:

- A minimum of three well volumes of groundwater were removed from the monitoring well and the pH, specific conductance, and temperature of the purge water stabilized;
- A maximum of five well volumes were removed; or,
- The monitoring well purged dry.

[1] Chester, 1994. *Field Sampling Analysis Plan.* Prepared by Chester Environmental. July, 1994.

Final field measurement ranges from the February 2006 event were as follows:

- pH: 4.68 Standard Units (SU) (R-01R) to 5.88 SU (R-07);
- Specific conductivity: 200 microsiemens (µmhos/cm) (R-01R) to 500 µmhos/cm (R-07); and,
- Temperature: 17.6°C (R-08B) to 21.3°C (R-01R).

These field measurements are similar to those measured historically.

Analytical Results and Data Evaluation

As required by the Permit, the groundwater samples were analyzed for:

Acenaphthene	Fluoranthene
Acenaphthylene	Fluorene
Anthracene	Indeno(1,2,3-cd)pyrene
Benzo(a)anthracene	Naphthalene
Benzo(a)pyrene	Pentachlorophenol
Benzo(b)fluoranthene	Phenanthrene
4-Chloro-3-methylphenol	Phenol
2-Chlorophenol	Pyrene
2,4-Dimethylphenol	2,4,5-Trichlorophenol
2,4-Dinitrophenol	2,4,6-Trichlorophenol
Chrysene	2,3,4,6-Tetrachlorophenol
Dibenzo(a,h)anthracene	

Columbia Analytical Services Inc. of Rochester, New York analyzed the groundwater samples, and FTS reviewed the analytical data for completeness and quality using the protocols of the United States Environmental Protection Agency (USEPA) National Functional Guidelines and USEPA method specifications. Using these guidelines and specifications, FTS found the data were acceptable and required no qualification.

The groundwater analytical data for the February 2006 monitoring event are summarized in Table 2 and a complete copy of the analytical laboratory report is provided in Appendix B. As shown on Table 2, none of the Post-Closure monitoring parameters were detected.

Statistical Evaluation

An empirical evaluation of the data, performed in accordance with Appendix E-6 of the Permit, indicates that there is no evidence of a release from the closed unit. None of the Post-Closure monitoring parameters were detected. These results are consistent with historical data.

A certification page for this report is included in Appendix C. Should you have questions or comments regarding this report or the Grenada facility in general, please call Michael Bollinger, Beazer Environmental Manager, at (412) 208-8864 or Jane Kilzer of FTS at (412) 429-2694.

Sincerely,

Field & Technical Services LLC

Jane E. Kilzer
Project Scientist

Enclosure

cc: M. Rao - MDEQ
W. Stover - MDEQ
M. Bollinger - Beazer
P. Stark - Koppers Inc.
K. Coker – Koppers Inc. Plant Manager (2 copies)
J. Abrahams - GeoTrans

Table 1
Summary of Groundwater Elevations
2006 First Semiannual Groundwater Sampling Event
Grenada Facility - Tie Plant, Mississippi

Well	Gauging Date	Top of Casing Elevation (ft msl)	Measured Total Depth (ft TOC)	Depth to Groundwater (ft TOC)	DNAPL Thickness (ft)	LNAPL Thickness (ft)	Groundwater Elevation (ft msl)
R-01R	01-Feb-06	210.87	30.46	24	NP	NP	186.87
R-02	01-Feb-06	209.26	28.5	22.4	NP	NP	186.86
R-03	01-Feb-06	206.96	27.14	20.32	NP	NP	186.64
R-04	01-Feb-06	206.06	26.8	26.2	NP	NP	179.86
R-05	01-Feb-06	211.84	31.53	24.9	NP	NP	186.94
R-05B	01-Feb-06	212.18	52.82	25.02	NP	NP	187.16
R-06	01-Feb-06	213.04	31.13	25.56	NP	NP	187.48
R-07	01-Feb-06	210.98	32.04	24.26	NP	NP	186.72
R-08	01-Feb-06	214.53	31.41	26.84	NP	NP	187.69
R-08B	01-Feb-06	208.98	67	22.81	NP	NP	186.17
R-09	01-Feb-06	213.66	31.3	25.8	NP	NP	187.86
R-09C	01-Feb-06	216	63.8	24.42	NP	NP	191.58
R-09D	01-Feb-06	216.07	88.58	25.07	NP	NP	191
R-10A	01-Feb-06	208.78	30.45	19.27	NP	NP	189.51
R-11	01-Feb-06	203.74	NM	NM	NM	NM	NM
R-13	01-Feb-06	216.69	33.13	30.7	NP	NP	185.99
R-17	01-Feb-06	213.03	31.57	25.96	NP	NP	187.07
R-18	01-Feb-06	212.82	32.88	26.9	NP	NP	185.92
R-20	01-Feb-06	214.1	33.9	25.67	Trace	NP	188.43
R-21	01-Feb-06	211.89	30.8	23.3	NP	NP	188.59
R-24	01-Feb-06	211.76	NM	NM	NM	NM	NM
R-25	01-Feb-06	211.54	NM	NM	NM	NM	NM
R-26	01-Feb-06	211.85	NM	NM	NM	NM	NM
R-27	01-Feb-06	210.05	25.42	20.45	NP	NP	189.6

Notes:
DNAPL - dense non aqueous phase liquid
LNAPL - light non aqueous phase liquid
NM - Not measured
NP - NAPL was not present or observed
ft msl - feet above mean sea level
ft TOC - feet below top of casing

Table 2
Summary of Analytical Data
2006 First Semiannual Groundwater Sampling Event
Grenada Facility - Tie Plant, Mississippi

ANALYTE	UNITS	Upgradient Wells		Downgradient Wells						
		R-01R 2/1/2006	R-10A 2/1/2006	R-07 2/1/2006	R-08 2/1/2006	R-08B 2/1/2006	R-08B-DUP 2/1/2006	R-09 2/1/2006	R-09C 2/1/2006	R-09D 2/1/2006
Method 8270C										
2,3,4,6-TETRACHLOROPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
2,4,5-TRICHLOROPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
2,4,6-TRICHLOROPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
2,4-DIMETHYLPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
2,4-DINITROPHENOL	UG/L	49 U	51 U	49 U	49 U	51 U	51 U	47 U	51 U	49 U
2-CHLOROPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
4-CHLORO-3-METHYLPHENOL	UG/L	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
ACENAPHTHENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
ACENAPHTHYLENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
ANTHRACENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
BENZO(A)ANTHRACENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
BENZO(A)PYRENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
BENZO(B)FLUORANTHENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
CHRYSENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
DIBENZO(A,H)ANTHRACENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
FLUORANTHENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
FLUORENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
INDENO(1,2,3-CD)PYRENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
NAPHTHALENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
PENTACHLOROPHENOL	UG/L	49 U	51 U	49 U	49 U	51 U	51 U	47 U	51 U	49 U
PHENANTHRENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
PHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
PYRENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U

Notes:
DUP indicates duplicate sample.
U indicates compound was analyzed, but not detected.

Columbia Analytical Services Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client	:	KEY Environmental, Inc.
Project Reference	:	BEAZER/GRENADA MONITORING- JANUARY 2006
Lab Submission #	:	R2629969
Project Manager	:	Aimee Keefer
Reported	:	03/01/06

Report Contains a total of 18 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

Columbia Analytical Services Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:
Submission #: R2629969

Lab ID	Client ID
877259	R-10A
877260	R-01R
877261	R-09D
877262	R-09C
877263	R-09
877264	R-08B
877265	R-07
877266	R-08
877267	R-08BDUP

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved

Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-10A

Date Sampled : 02/01/06 08:57 **Order #:** 877259 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

DATE EXTRACTED : 02/03/06
DATE ANALYZED : 02/23/06
ANALYTICAL DILUTION: 1.01

ANALYTE	PQL	RESULT	UNITS
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	51 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	10 U	UG/L
PENTACHLOROPHENOL	50	51 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS	RESULT	
TERPHENYL-d14	(40 - 137 %)	78	%
NITROBENZENE-d5	(38 - 105 %)	78	%
PHENOL-d6	(10 - 69 %)	32	%
2-FLUOROBIPHENYL	(38 - 100 %)	79	%
2-FLUOROPHENOL	(17 - 74 %)	50	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	96	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-01R

Date Sampled : 02/01/06 09:40 **Order #:** 877260 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

DATE EXTRACTED : 02/03/06
DATE ANALYZED : 02/23/06
ANALYTICAL DILUTION: 0.97

ANALYTE	PQL	RESULT	UNITS
ACENAPHTHENE	10	9.7 U	UG/L
ACENAPHTHYLENE	10	9.7 U	UG/L
ANTHRACENE	10	9.7 U	UG/L
BENZO(A)ANTHRACENE	10	9.7 U	UG/L
BENZO(A)PYRENE	10	9.7 U	UG/L
BENZO(B)FLUORANTHENE	10	9.7 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.7 U	UG/L
2-CHLOROPHENOL	10	9.7 U	UG/L
CHRYSENE	10	9.7 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.7 U	UG/L
2,4-DIMETHYLPHENOL	10	9.7 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
FLUORANTHENE	10	9.7 U	UG/L
FLUORENE	10	9.7 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	19 U	UG/L
NAPHTHALENE	10	9.7 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	10	9.7 U	UG/L
PHENOL	10	9.7 U	UG/L
PYRENE	10	9.7 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.7 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.7 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.7 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	66	%
NITROBENZENE-d5	(38 - 105 %)	53	%
PHENOL-d6	(10 - 69 %)	27	%
2-FLUOROBIPHENYL	(38 - 100 %)	54	%
2-FLUOROPHENOL	(17 - 74 %)	39	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	68	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-09D

Date Sampled : 02/01/06 13:20 **Order #:** 877261 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 0.97			
ACENAPHTHENE	10	9.7 U	UG/L
ACENAPHTHYLENE	10	9.7 U	UG/L
ANTHRACENE	10	9.7 U	UG/L
BENZO(A)ANTHRACENE	10	9.7 U	UG/L
BENZO(A)PYRENE	10	9.7 U	UG/L
BENZO(B)FLUORANTHENE	10	9.7 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.7 U	UG/L
2-CHLOROPHENOL	10	9.7 U	UG/L
CHRYSENE	10	9.7 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.7 U	UG/L
2,4-DIMETHYLPHENOL	10	9.7 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
FLUORANTHENE	10	9.7 U	UG/L
FLUORENE	10	9.7 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	19 U	UG/L
NAPHTHALENE	10	9.7 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	10	9.7 U	UG/L
PHENOL	10	9.7 U	UG/L
PYRENE	10	9.7 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.7 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.7 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.7 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	83	%
NITROBENZENE-d5	(38 - 105 %)	78	%
PHENOL-d6	(10 - 69 %)	31	%
2-FLUOROBIPHENYL	(38 - 100 %)	80	%
2-FLUOROPHENOL	(17 - 74 %)	47	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	92	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-09C

Date Sampled : 02/01/06 14:00 Order #: 877262 Sample Matrix: WATER
Date Received: 02/02/06 Submission #: R2629969 Analytical Run 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 1.02			
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	51 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	10 U	UG/L
PENTACHLOROPHENOL	50	51 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	81	%
NITROBENZENE-d5	(38 - 105 %)	77	%
PHENOL-d6	(10 - 69 %)	31	%
2-FLUOROBIPHENYL	(38 - 100 %)	80	%
2-FLUOROPHENOL	(17 - 74 %)	48	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	94	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-09

Date Sampled : 02/01/06 13:46 **Order #:** 877263 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 0.93			
ACENAPHTHENE	10	9.3 U	UG/L
ACENAPHTHYLENE	10	9.3 U	UG/L
ANTHRACENE	10	9.3 U	UG/L
BENZO(A)ANTHRACENE	10	9.3 U	UG/L
BENZO(A)PYRENE	10	9.3 U	UG/L
BENZO(B)FLUORANTHENE	10	9.3 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.3 U	UG/L
2-CHLOROPHENOL	10	9.3 U	UG/L
CHRYSENE	10	9.3 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.3 U	UG/L
2,4-DIMETHYLPHENOL	10	9.3 U	UG/L
2,4-DINITROPHENOL	50	47 U	UG/L
FLUORANTHENE	10	9.3 U	UG/L
FLUORENE	10	9.3 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	19 U	UG/L
NAPHTHALENE	10	9.3 U	UG/L
PENTACHLOROPHENOL	50	47 U	UG/L
PHENANTHRENE	10	9.3 U	UG/L
PHENOL	10	9.3 U	UG/L
PYRENE	10	9.3 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.3 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.3 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.3 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	84	%
NITROBENZENE-d5	(38 - 105 %)	75	%
PHENOL-d6	(10 - 69 %)	31	%
2-FLUOROBIPHENYL	(38 - 100 %)	77	%
2-FLUOROPHENOL	(17 - 74 %)	47	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	94	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-08B

Date Sampled : 02/01/06 11:00 **Order #:** 877264 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 1.02			
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	51 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	10 U	UG/L
PENTACHLOROPHENOL	50	51 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	43	%
NITROBENZENE-d5	(38 - 105 %)	56	%
PHENOL-d6	(10 - 69 %)	15	%
2-FLUOROBIPHENYL	(38 - 100 %)	57	%
2-FLUOROPHENOL	(17 - 74 %)	25	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	71	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-07

Date Sampled : 02/01/06 10:20 **Order #:** 877265 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 0.98			
ACENAPHTHENE	10	9.8 U	UG/L
ACENAPHTHYLENE	10	9.8 U	UG/L
ANTHRACENE	10	9.8 U	UG/L
BENZO(A)ANTHRACENE	10	9.8 U	UG/L
BENZO(A)PYRENE	10	9.8 U	UG/L
BENZO(B)FLUORANTHENE	10	9.8 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.8 U	UG/L
2-CHLOROPHENOL	10	9.8 U	UG/L
CHRYSENE	10	9.8 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.8 U	UG/L
2,4-DIMETHYLPHENOL	10	9.8 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
FLUORANTHENE	10	9.8 U	UG/L
FLUORENE	10	9.8 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	9.8 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	10	9.8 U	UG/L
PHENOL	10	9.8 U	UG/L
PYRENE	10	9.8 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.8 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.8 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.8 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	83	%
NITROBENZENE-d5	(38 - 105 %)	72	%
PHENOL-d6	(10 - 69 %)	27	%
2-FLUOROBIPHENYL	(38 - 100 %)	73	%
2-FLUOROPHENOL	(17 - 74 %)	41	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	92	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-08

Date Sampled : 02/01/06 13:00 **Order #:** 877266 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

DATE EXTRACTED : 02/03/06
DATE ANALYZED : 02/23/06
ANALYTICAL DILUTION: 0.97

ANALYTE	PQL	RESULT	UNITS
ACENAPHTHENE	10	9.7 U	UG/L
ACENAPHTHYLENE	10	9.7 U	UG/L
ANTHRACENE	10	9.7 U	UG/L
BENZO(A)ANTHRACENE	10	9.7 U	UG/L
BENZO(A)PYRENE	10	9.7 U	UG/L
BENZO(B)FLUORANTHENE	10	9.7 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.7 U	UG/L
2-CHLOROPHENOL	10	9.7 U	UG/L
CHRYSENE	10	9.7 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.7 U	UG/L
2,4-DIMETHYLPHENOL	10	9.7 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
FLUORANTHENE	10	9.7 U	UG/L
FLUORENE	10	9.7 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	19 U	UG/L
NAPHTHALENE	10	9.7 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	10	9.7 U	UG/L
PHENOL	10	9.7 U	UG/L
PYRENE	10	9.7 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.7 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.7 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.7 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	78	%
NITROBENZENE-d5	(38 - 105 %)	75	%
PHENOL-d6	(10 - 69 %)	32	%
2-FLUOROBIPHENYL	(38 - 100 %)	78	%
2-FLUOROPHENOL	(17 - 74 %)	49	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	94	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-08BDUP

Date Sampled : 02/01/06 11:00 **Order #:** 877267 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

DATE EXTRACTED : 02/03/06
DATE ANALYZED : 02/24/06
ANALYTICAL DILUTION: 1.02

ANALYTE	PQL	RESULT	UNITS
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	51 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	10 U	UG/L
PENTACHLOROPHENOL	50	51 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	95	%
NITROBENZENE-d5	(38 - 105 %)	80	%
PHENOL-d6	(10 - 69 %)	33	%
2-FLUOROBIPHENYL	(38 - 100 %)	84	%
2-FLUOROPHENOL	(17 - 74 %)	49	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	109	%

AI876 (continued):

Narrative Requirements:

Condition No.	Condition
T-28	Bypassing - Definitions "Bypass" means the intentional diversion of waste streams from any portion of the permittee's treatment facility. "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)]
T-29	Bypassing -Notice Anticipated bypass- 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. Unanticipated bypass- 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)]
T-30	Bypassing- Prohibition of Bypass Bypass is prohibited, and the Commission may take enforcement action against a permittee unless: (1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage. (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 (3) The permittee submitted notices as required under the notice of bypass requirement in this permit. [40 CFR 403.17(d)]

AI876 (continued):

Narrative Requirements:

ndition .	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)]
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)]

AI876 (continued):

Narrative Requirements:

Condition No.	Condition
T-36	Upsets- User responsibility in case of upset 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)]
T-37	Removed Substances 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)]
T-38	Power Failures If electric power is required, in order to maintain compliance with the conditions and prohibitions of the permit, the permittee shall either: (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, (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)]
T-39	Inspection and Entry 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)]

RECEIVED
AUG 21 2006
MDEQ

FORM 2-P

For Agency Use

Application Number ____________

Date Received ____________

STATE OF MISSISSIPPI
OFFICE OF POLLUTION CONTROL
P. O. BOX 10385
JACKSON, MISSISSIPPI 39289-0385

APPLICATION FOR A STATE OPERATING PRETREATMENT PERMIT

(Please print or type)

1. Name of Applicant:	Koppers Inc.				
2. Mailing Address of Applicant:					
Number & Street (P. O. Box):	P.O. Box 160				
City:	Tie Plant	State:	MS	Zip:	38960
Telephone Number:	662-226-4584				
3. Applicant's Authorized Agent:					
Name and Title:	Vance R. Haskin, Plant Manager				
Number & Street (P. O. Box):	P.O. Box 160				
City:	Tie Plant	State:	MS	Zip:	38960
Telephone Number:	662-226-4584				
4. Facilities Location:					
Number & Street (P. O. Box):	1 Koppers Drive				
City:	Tie Plant	County:	Grenada		
Latitude (Deg., Min., Sec.):	North 33 degrees – 44.123 degrees				
Longitude (Deg., Min., Sec.):	West 89 degrees – 47.025 degrees				
5. Nature of Business:	Wood preservation				
6. Location Map: (Provide as an attachment to this application)					
7. SIC CODES (*4-digit, in order of priority*)					

A. FIRST		B. SECOND	
	2491		N/A
C. THIRD		D. FOURTH	
	N/A		N/A

8. Name of POTW Receiving Wastewater:	City of Grenada
Number & Street (P. O. Box):	

City:	Grenada	County:	Grenada

9. Discharge Type and Occurrence:

A. Type of Discharge:		Continuous; If Continuous

35,000	Gallons Per Day,	X	Batch

B. Discharge Occurrence:	7	Days per Week

C. Discharge Occurrence:

X	January	X	February	X	March	X	April
X	May	X	June	X	July	X	August
X	September	X	October	X	November	X	December

10. If Batch: A.	15,000	Thousand Gallons per Discharge
B.		Hours per Day
C.	2.3	Discharge Occurrence per Day

11. Maximum Period of Flow: From	January	to	December
Month Month			

12. Facility Water Use:	
Estimate average volume in thousand gallons per day for the following types of water usage at this facility.	
Non-contact Cooling:	6,000
Boiler Feed:	9,128
Process (Including Contact Cooling):	N/A
Sanitary:	300
Other:	Polyfloc dilution water – 3,000 gallons per day (gpd); washdown and pressure washing – 500 gpd, groundwater monitoring purge water - 33 gpd (1,000 gallons per month); storm water collected in process areas - amount varies
Total:	18,961 (does not include storm water collected in process, which varies)
13. List all Facility Discharges:	Outfall 001
Other water losses (surface water, product consumption, evaporation). Indicate volume in thousand gallons.	
Storm water runoff to permitted surface water discharge (varies), boiler evaporation, cooling tower evaporation (approximately 4 percent, < 1,000 gallons), other evaporation from areas collecting and the wastewater treatment system	
14. Give narrative description of process(es) producing discharge, or in case of no discharge, that generates wastewater.	
The wood preservation process generates "process water" stemming from water losses from wood products, steam, and boiler operations. The facility uses creosote and pentachlorophenol as wood preservative. Storm water collected in process areas is treated in the onsite wastewater treatment system. The facility also plans to treat purge water generated from semi-annual groundwater monitoring for the closed RCRA surface impoundment (non detect for post-closure monitoring parameters). Sanitary wastewater from offices and service buildings are discharged to septic tanks. The facility generates washdown water from cleaning the drip pad.	
15. List raw materials used:	
Wood – southern pine, various hardwoods; pentachlorophenol; creosote; wastewater treatment chemicals; diesel fuel and gasoline, various maintenance oils (motor, hydraulic)	

16. PRODUCTION			
A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your Facility? ~ Yes (complete Item 16-B) ~ No (Go to 17)			
B. Are the limitations in the applicable effluent guidelines expressed in terms of production (or other measure of operation)? ~ Yes (complete Item 16-C) ~ No (Go to 17)			
C. If you answered "yes" to Item 16-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.			
1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (*list outfall numbers*)
a. QUANTITY PER DAY	B. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (*specify*)	
N/A	N/A	N/A	N/A

17. Effluent Characteristics:

A. You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall to the city sewer. If your facility does not have a discharge, indicate so and disregard.

1. POLLUTANT	2. EFFLUENT							3. UNITS (*specify / blank*)		4. INTAKE (*optional*)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVRG. VALUE (*if available*)		d. No. OF ANAL-YSES			a. LONG TERM AVERAGE VALUE		b. N0. OF ANALYSES
	(1) CONCENT-RATION	(2) MASS	(1) CONCENT-RATION	(2) MASS	(1) CONCENT-RATION	(2) MASS		a. CONCENT-RATION	b. MASS	(1) CONCENT -RATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	5.4						1	milligrams per Liter (mg/L)				
b. Chemical Oxygen Demand (COD)	435						1	mg/L				
c. Total Suspended Solids (TSS)	58						1	mg/L				
d. Ammonia (as N)	0.65						1	mg/L				
e. Flow	VALUE 17,855 gpd		VALUE 31,945 gpd		VALUE					VALUE		
f. Temperature (winter)	VALUE 85° F		VALUE		VALUE			° C		VALUE		
g. Temperature (summer)	VALUE 93° F		VALUE		VALUE			° C		VALUE		
h. pH	MIN	MAX	MIN 6.8	MAX 8.2				STANDARD UNITS				

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*Use the same format*) instead of completing these pages.

B. INTAKE AND EFFLUENT CHARACTERISTICS		OUTFALL NO. 001
Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall.		

1. Pollutant and CAS NO. (*if available*)	2. Mark "X"		3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
a. Bromide (24959-67-9)	X		1.3						1	mg/L				
b. Chlorine, Total Residual	X		0.06						1	mg/L				
c. Fluoride (16984-48-8)	X		0.31						1	mg/L				
d. Nitrate-Nitrite (as N)		X	< 0.10 (i.e., detection limit)						1	mg/L				
e. Nitrogen, Total Organic (*as N*)	X		16.7						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. Mark "X"		3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concentration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
f. Oil and Grease		X	< 2.0						1	mg/L				
g. Phosphorus (*as P*), Total (7723-14-0)	X		2.65						1	mg/L				
h. Radioactivity														
1. Alpha, Total		X							0					
2. Beta, Total		X							0					
3. Radium Total		X							0					
4. Radium 226, Total		X							0					
i. Sulfate (*as* SO_4) 14808-79-8)		X	< 10.0						1	mg/L				
j. Sulfide (*as S*)	X		0.4						1	mg/L				
k. Sulfite (*as* SO_3) (14265-45-3)		X	< 0.3						1	mg/L				
l. Surfactants		X	< 0.20						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. Mark "X"		3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
m. Aluminum Total (7429-90-5)	X		0.52						1	mg/L				
n. Barium Total (7440-39-3)	X		0.05						1	mg/L				
o. Boron, Total (7440-42-8)	X		0.14						1	mg/L				
p. Cobalt Total (7440-48-4)	X		0.04						1	mg/L				
q. Iron Total (7439-89-6)	X		10.2						1	mg/L				
r. Magnesium Total (7439-95-4)	X		8.29						1	mg/L				
s. Moly-bdenum Total (7439-98-7)		X	< 0.05						1	mg/L				
t. Manganese Total (7439-96-5)	X		2.62						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. Mark "X"		3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
u. Tin, Total (4770-31-5)		X	< 0.02						1	mg/L				
v. Titanium Total (7440-32-6)		X	< 0.05						1	mg/L				

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table I (see attachment) to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 20 pages to this part; please review each carefully. Complete one table (*all 20 pages*) for each outfall.

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X			< 0.05						1	mg/L				
2M. Arsenic, Total (7440-38-2)	X			< 0.05						1	mg/L				
3M. Beryllium Total 7440-41-7	X			< 0.01						1	mg/L				
4M. Cadmium, Total (7440-43-9)	X			< 0.02						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concentration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
5M. Chromium, Total (7440-47-3)	X			< 0.05						1	mg/L				
6M. Copper, Total (7440-50-8)	X			0.017						1	mg/L				
7M. Lead, Total (7439-92-1)	X			< 0.050						1	mg/L				
8M. Mercury, Total (7439-97-6)	X			7.3						1	nanograms per Liter (ng/L)				
9M. Nickel, Total (7440-02-0)	X			0.06						1	mg/L				
10M. Selenium, Total (7782-49-2)	X			< 0.05						1	mg/L				
11M. Silver, Total (7440-22-4)	X			< 0.005						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
12M. Thallium, Total (7440-28-0)	X			< 0.02						1	mg/L				
13M. Zinc Total (7440-66-6)	X			0.286						1	mg/L				
14M. Cyanide, Total (57-12-5)	X			< 0.01						1	mg/L				
15M. Phenols, Total	X			< 0.05						1	mg/L				
DIOXIN															
2,3,7,8-Tetrachloro dibenzo-P-Dioxin (1764-01-6)	X			DESCRIBE RESULTS <10.0 picogram per liter (pg/l)											
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)	X			< 0.005						1	mg/L				
2V. Acrylonitrile (107-13-1)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
3V. Benzene (71-43-2)	X			< 0.002						1	mg/L				
4V. Bis (*Chloro-methyl*) Ether (542-88-1)	X			< 0.002						1	mg/L				
5V. Bromoform (75-25-2)	X			< 0.002						1	mg/L				
6V.Carbon Tetra-chloride (56-23-5)	X			< 0.002						1	mg/L				
7V. Chloro-benzene (108-90-7)	X			< 0.002						1	mg/L				
8V. Chlorodi-bromo-methane (124-48-1)	X			< 0.002						1	mg/L				
9V. Chloro-ethane (75-00-3)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
10V. 2-Chloro-ethyl-vinyl Ether (110-75-8)	X			< 0.005						1	mg/L				
11V. Chloro-form (67-66-3)	X			< 0.002						1	mg/L				
12V. Dichloro-bromo-methane (75-27-4)	X			< 0.002						1	mg/L				
13V. Dichloro-difluoro-methane (75-71-8)			X							0					
14V. 1,1-Dichloro-ethane (75-34-3)	X			< 0.002						1	mg/L				
15V. 1,2-Dichloro-ethane (107-06-2)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
16V. 1,1-Dichloro-ethylene (75-35-4)	X			< 0.002						1	mg/L				
17V. 1,2-Dichloro-propane (78-87-5)	X			< 0.002						1	mg/L				
18V. 1,3-Dichloro-propylene (542-75-6)	X			< 0.002						1	mg/L				
19V. Ethyl-benzene (100-41-4)	X			< 0.002						1	mg/L				
20V. Methyl Bromide (74-83-9)	X			< 0.002						1	mg/L				
21V. Methyl Chloride (74-87-3)	X			< 0.002						1	mg/L				
22V. Methylene Chloride (75-09-2)	X			< 0.005						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
23V. 1,1,2,2-Tetra-chloro-ethane (79-34-5)	X			< 0.002						1	mg/L				
24V. Tetra-chloro-ethylene (127-18-4)	X			< 0.002						1	mg/L				
25V. Toluene (108-88-3)	X			< 0.002						1	mg/L				
26V. 1,2-Trans-Dichloro-ethylene (156-60-5)	X			< 0.005						1	mg/L				
27V. 1,1,1-Trichloroeth ane (71-55-6)	X			< 0.002						1	mg/L				
28V. 1,1,2-Trichloroeth ane (79-00-5)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concentration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
29V. Trichloroethylene (79-01-6)	X			< 0.002						1	mg/L				
30V. Trichlorofluoro-methane (75-69-4)			X							0					
31V. Vinyl Chloride (75-01-4)	X			< 0.001						1	mg/L				
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chloro-phenol (95-57-8)	X			< 0.002						1	mg/L				
2A. 2,4-Dichloro-phenol (120-83-2)	X			< 0.002						1	mg/L				
3A. 2,4-Dimethyl-phenol (105-67-9)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X			< 0.001						1	mg/L				
5A. 2,4-Dinitro-phenol (51-28-5)	X			< 0.005						1	mg/L				
6A. 2-Nitro-phenol (88-75-5)	X			< 0.002						1	mg/L				
7A. 4-Nitro-phenol (100-02-7)	X			< 0.005						1	mg/L				
8A. P-Chloro-M-Cresol (59-50-7)	X			< 0.002						1	mg/L				
9A. Penta-chloro-phenol (87-86-5)	X			< 0.001						1	mg/L				
10A. Phenol (108-95-2)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
11A. 2,4,6-Trichlorophe nol (88-06-2)	X			< 0.002						1	mg/L				
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaph-thene (83-32-9)	X			< 0.002						1	mg/L				
2B. Acenaph-tylene (208-96-8)	X			< 0.002						1	mg/L				
3B. Anthra-cene (120-12-7)	X			< 0.002						1	mg/L				
4B. Benzidine (92-87-5)	X			< 0.005						1	mg/L				
5B. Benzo (*a*) Anthra-cene (56-55-3)	X			< 0.002						1	mg/L				
6B. Benzo (*a*) Pyrene (50-32-8)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
7B. 3,4-Benzo-fluor-anthene (205-99-2)	X			< 0.002						1	mg/L				
8B. Benzo (*ghi*) Perylene (191-24-2)	X			< 0.005						1	mg/L				
9B. Benzo (*k*) Fluor-anthene (207-08-9)	X			< 0.005						1	mg/L				
10B. Bis (2-*Chloro-ethoxy*) Methane (111-91-1)	X			< 0.002						1	mg/L				
11B. Bis (2-*Chloro-ethyl*) Ether (111-44-4)	X			< 0.005						1	mg/L				
12B. Bis(2-*Chloroisopropyl*) Ether (102-60-1)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concentration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
13B. Bis(2-*Ethyl-hexyl*) Phthalate (117-81-7)	X			0.011						1	mg/L				
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X			< 0.002						1	mg/L				
15B. Butyl Benzyl Phthalate (85-68-7)	X			< 0.005						1	mg/L				
16B. 2-Chloronaphthalene (91-58-7)	X			< 0.002						1	mg/L				
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X			< 0.002						1	mg/L				
18B. Chrysene (218-01-9)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
19B. Dibenzo (*a,h*) Anthra-cene (53-70-3)	X			< 0.002						1	mg/L				
20B. 1,2-Dichloro-benzene (95-50-1)	X			< 0.002						1	mg/L				
21B. 1,3-Dichloro-benzene (541-73-1)	X			< 0.002						1	mg/L				
22B. 1,4-Dichloro-benzene (106-46-7)	X			< 0.002						1	mg/L				
23B. 3,3'-Dichloro-benzidine (91-94-1)	X			< 0.002						1	mg/L				
24B. Diethyl Phthalate (84-66-2)	X			< 0.005						1	mg/L				
25B. Dimethyl Phthalate (131-11-3)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
26B. Di-N-Butyl Phthalate (84-74-2)	X			< 0.005						1	mg/L				
27B. 2,4-Dinitro-toluene (121-14-2)	X			< 0.005						1	mg/L				
28B. 2,6-Dinitro-toluene (606-20-2)	X			< 0.002						1	mg/L				
29B. Di-N-Octyl Phthalate (117-84-0)	X			< 0.002						1	mg/L				
30B. 1,2-Diphenyl-hydrazine (*as Azo-benzene*) (122-66-7)	X			< 0.005						1	mg/L				
31B. Fluoranthene (206-44-0)	X			< 0.002						1	mg/L				
32B. Fluorene (86-73-7)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concentration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
33B. Hexachlorobenzene (118-74-1)	X			< 0.001						1	mg/L				
34B. Hexa-chloro-butadiene (87-68-3)	X			< 0.002						1	mg/L				
35B. Hexa-chlorocyclopentadiene (77-47-4)	X			< 0.005						1	mg/L				
36B. Hexa-chloro-ethane (67-72-1)	X			< 0.002						1	mg/L				
37B. Indeno (*1,2,3-cd*) Pyrene (193-39-5)	X			< 0.005						1	mg/L				
38B. Iso-phorone (78-59-1)	X			< 0.002						1	mg/L				
39B. Naph-thalene (91-20-3)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
40B. Nitro-benzene (98-95-3)	X			< 0.001						1	mg/L				
41B. N-Nitro-Sodimethyla mine (62-75-9)	X			< 0.002						1	mg/L				
42B. N-NitrosodiN-Propy-lamine (621-64-7)	X			< 0.002						1	mg/L				
43B. N-Nitro-sodiphenyla mine (86-30-6)	X			< 0.002						1	mg/L				
44B. Phenan-threne (85-01-8)	X			< 0.002						1	mg/L				
45B. Pyrene (129-00-0)	X			< 0.002						1	mg/L				
46B. 1,2,4-Trichloroben zene (120-82-1)	X			< 0.002						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	X			< 0.00005						1	mg/L				
2P. α-BHC (319-84-6)	X			< 0.00005						1	mg/L				
3P. β-BHC (319-85-7)	X			< 0.00005						1	mg/L				
4P. m-BHC (58-89-9)	X			< 0.00005						1	mg/L				
5P. δ-BHC (319-86-8)	X			< 0.00005						1	mg/L				
6P. Chlordane (57-74-9)	X			< 0.00005						1	mg/L				
7P. 4,4'-DDT (50-29-3)	X			< 0.00010						1	mg/L				
8P. 4,4'-DDE (72-55-9)	X			< 0.00010						1	mg/L				
9P. 4,4'-DDD (72-54-8)	X			< 0.00010						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
10P. Dieldrin (60-57-1)	X			< 0.00010						1	mg/L				
11P. α-Endo-sulfan (115-29-7)	X			< 0.00005						1	mg/L				
12P. β-Endo-sulfan (115-29-7)	X			< 0.00010						1	mg/L				
13P.Endo-sulfan Sulfate (1031-07-8)	X			< 0.00010						1	mg/L				
14P. Endrin (72-20-8)	X			< 0.00010						1	mg/L				
15P. Endrin Aldehyde (7421-93-4)	X			< 0.00010						1	mg/L				
16P. Hepta-chlor (76-44-8)	X			< 0.00005						1	mg/L				
17P. Hepta-chlor Epoxide (1024-57-3)	X			< 0.00005						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
18P. PCB-1242 (53469-21-9)	X			< 0.00100						1	mg/L				
19P. PCB-1254 (11097-69-1)	X			< 0.00100						1	mg/L				
20P. PCB-1221 (11104-28-2)	X			< 0.00200						1	mg/L				
21P. PCB-1232 (11141-16-5)	X			< 0.00100						1	mg/L				
22P. PCB-1248 (12672-29-6)	X			< 0.00100						1	mg/L				
23P. PCB-1260 (11096-82-5)	X			< 0.00100						1	mg/L				
24P. PCB-1016 (12674-11-2)	X			< 0.00100						1	mg/L				

1. Pollutant and CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. Testing Required	B. Believed Present	C. Believed Absent	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. Concen tration	b. Mass	a. LONG TERM AVERAGE VALUE		b. Number of analysis
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
25P. Toxaphene (8001-35-2)	X			< 0.00100						1	mg/L				

18. Treatment Units:				
A. Do you provide treatment for your wastewater?	X	Yes		No

B. If yes, list and describe each treatment unit and attach a line schematic of the treatment system indicating each treatment unit and a water balance.
Initial treatment occurs as separation in settling tank. The subsequent series of treatment includes flocculation, gravity separation, and
biological treatment. Refer to the attached schematic of the wastewater treatment process.

19. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item 17 performed by a contract laboratory or consulting firm?

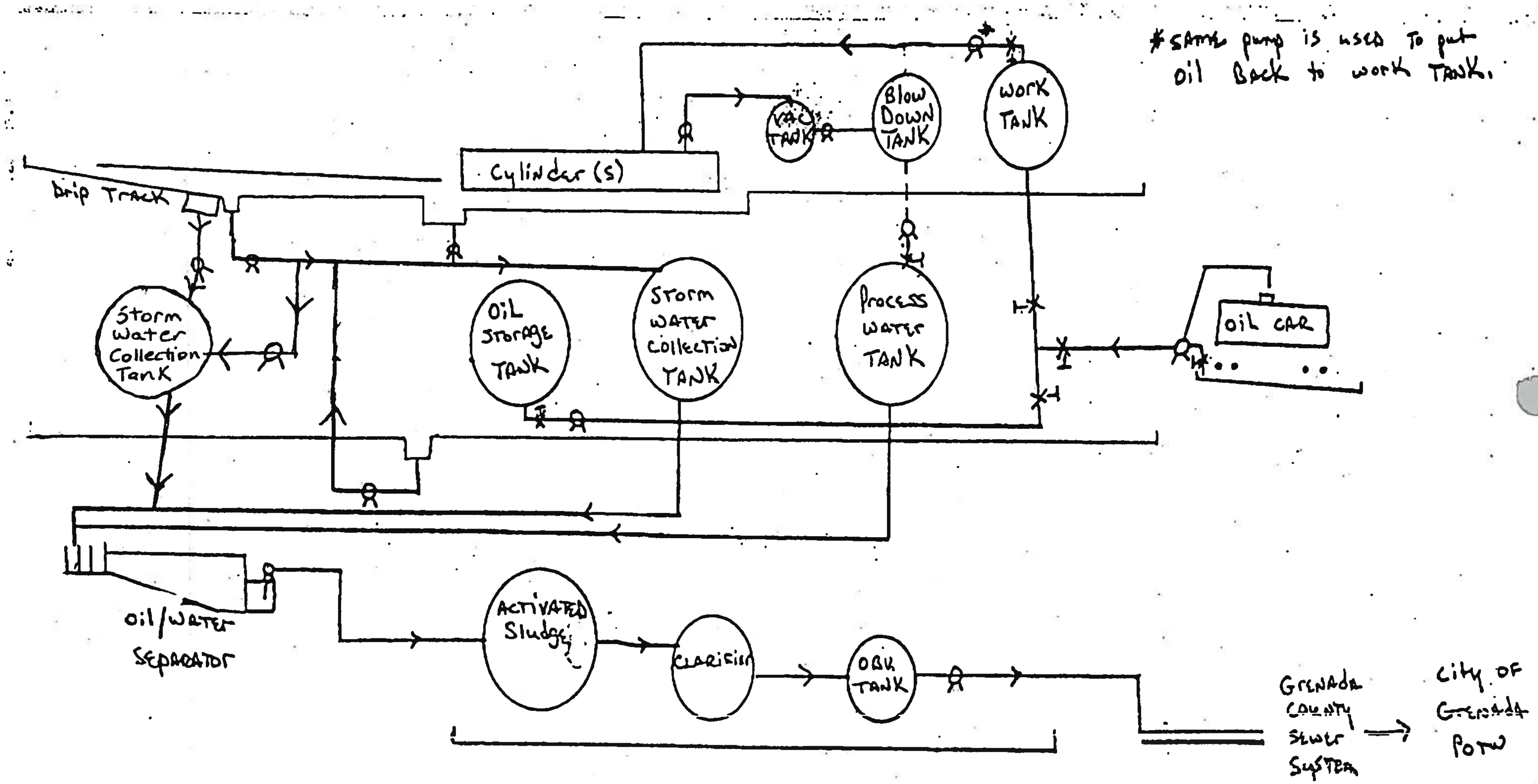
~ YES (*list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below*)

~ NO (*go to Item 20*)

A. NAME	B. ADDRESS	C. TELEPHONE (*area code & no.*)	D. POLLUTANTS ANALYZED (*list*)
Argus Analytical, Inc.	235 Highpoint Drive Ridgeland, MS 39157	662-957-2676	Form 2-P (the lab results are also attached)

20. I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such h is true and correct.

LESLIE S. HYDE	VICE PRESIDENT, SAFETY & ENVIRONMENTAL AFFAIRS
Printed Name of Applicant's Authorized Agent Title and/or Individual Meeting Signatory Requirements of 40 CFR 403.12(l)	Title
8/14/06	
Date Application Signed	Signature of Authorized Agent and/or Individual Meeting Signatory Requirements of 40 CFR 403.12(l)



$\overset{\text{I}}{\text{x}}$ = values
$\overset{\text{o}}{\text{x}}$ = pumps

KOPPERS Industries, Inc
P.O. BOX 160
Tie Plant, Ms 38960
Located South of
Grenada, Ms

Enclosure 2 –
Groundwater Analytical Results

FTS

Field & Technical Services

200 Third Avenue • Carnegie, PA 15106 • Phone: 412-429-2694 • Fax: 412-279-4512

May 4, 2006

Via Certified Mail

Environmental Permits Division, Chief
Mississippi Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

RE: **2006 RCRA First Semiannual Groundwater Monitoring Report**
Beazer East, Inc., Grenada, Mississippi Facility
Hazardous Waste Management Permit No. 88-543-01
EPA ID# MSD 007 027 543

Dear Sir or Madam:

Field & Technical Services LLC (FTS), on behalf of Beazer East, Inc. (Beazer), herein submits the 2006 First Semiannual Groundwater Monitoring Report under Hazardous Waste Management Permit Number 88-543-01 (Permit). This report presents the groundwater monitoring data collected during the February 1, 2006 first semiannual groundwater monitoring event.

The groundwater monitoring program for the closed Resource Conservation and Recovery Act (RCRA) surface impoundment (SI) includes semiannual gauging and sampling of two upgradient monitoring wells (R-01R and R-10A) and six downgradient monitoring wells (R-07, R-08, R-08B, R-09, R-09C and R-09D) (Figure 1). In addition, to provide accurate determinations of groundwater flow rate and direction around the closed SI, twelve additional wells were gauged during the semiannual event. Four monitoring wells could not be gauged, R-11, R-24, R-25, and R-26 during this semiannual event. Monitoring well R-11 was under water and monitoring wells R-24, R-25, and R-26 could not be located as they were buried during regrading of the adjacent access road.

Field Procedures and Results

In accordance with the *Sampling and Analysis Plan* (SAP) (Chester, 1994)[1], the FTS field crew completed the following tasks:

- Gauged and recorded depth to water, depth to light non-aqueous phase liquid (LNAPL) if present, depth to dense non-aqueous phase liquid (DNAPL) if present, and total well depth in 20 wells;
- Purged the eight RCRA wells in preparation for sampling and measured and recorded field parameters (pH, temperature, and specific conductance) while purging; and,
- Collected groundwater samples in accordance with the Permit and the SAP.

Groundwater elevations collected during the February 2006 event are presented in Table 1 and were also used to construct the groundwater potentiometric surface map shown in Figure 2. As shown on Table 1, LNAPL and DNAPL were not present in the eight RCRA monitoring wells. However, during this semiannual event, a trace DNAPL layer was observed in non-RCRA gauging well R-20. This observation is consistent with historical observations as DNAPL has been sporadically detected in this well. The groundwater elevation measured in R-04 was anomalously lower this semiannual event than historical measurements. Beazer will continue to monitor the groundwater elevation in monitoring well R-04, as well as the wells listed in Table 1, during future semiannual monitoring events.

The FTS field crew sampled the eight RCRA groundwater monitoring wells using disposable polyvinyl chloride (PVC) bailers. While purging, they measured and recorded pH, specific conductance, and temperature to document changes in purge water quality. Appendix A contains copies of the field forms.

The field crew continued purging until:

- A minimum of three well volumes of groundwater were removed from the monitoring well and the pH, specific conductance, and temperature of the purge water stabilized;
- A maximum of five well volumes were removed; or,
- The monitoring well purged dry.

[1] Chester, 1994. *Field Sampling Analysis Plan.* Prepared by Chester Environmental. July, 1994.

Final field measurement ranges from the February 2006 event were as follows:

- pH: 4.68 Standard Units (SU) (R-01R) to 5.88 SU (R-07);
- Specific conductivity: 200 microsiemens (µmhos/cm) (R-01R) to 500 µmhos/cm (R-07); and,
- Temperature: 17.6°C (R-08B) to 21.3°C (R-01R).

These field measurements are similar to those measured historically.

Analytical Results and Data Evaluation

As required by the Permit, the groundwater samples were analyzed for:

Acenaphthene	Fluoranthene
Acenaphthylene	Fluorene
Anthracene	Indeno(1,2,3-cd)pyrene
Benzo(a)anthracene	Naphthalene
Benzo(a)pyrene	Pentachlorophenol
Benzo(b)fluoranthene	Phenanthrene
4-Chloro-3-methylphenol	Phenol
2-Chlorophenol	Pyrene
2,4-Dimethylphenol	2,4,5-Trichlorophenol
2,4-Dinitrophenol	2,4,6-Trichlorophenol
Chrysene	2,3,4,6-Tetrachlorophenol
Dibenzo(a,h)anthracene	

Columbia Analytical Services Inc. of Rochester, New York analyzed the groundwater samples, and FTS reviewed the analytical data for completeness and quality using the protocols of the United States Environmental Protection Agency (USEPA) National Functional Guidelines and USEPA method specifications. Using these guidelines and specifications, FTS found the data were acceptable and required no qualification.

The groundwater analytical data for the February 2006 monitoring event are summarized in Table 2 and a complete copy of the analytical laboratory report is provided in Appendix B. As shown on Table 2, none of the Post-Closure monitoring parameters were detected.

Statistical Evaluation

An empirical evaluation of the data, performed in accordance with Appendix E-6 of the Permit, indicates that there is no evidence of a release from the closed unit. None of the Post-Closure monitoring parameters were detected. These results are consistent with historical data.

A certification page for this report is included in Appendix C. Should you have questions or comments regarding this report or the Grenada facility in general, please call Michael Bollinger, Beazer Environmental Manager, at (412) 208-8864 or Jane Kilzer of FTS at (412) 429-2694.

Sincerely,

Field & Technical Services LLC

Jane E. Kilzer
Project Scientist

Enclosure

cc: M. Rao - MDEQ
W. Stover - MDEQ
M. Bollinger - Beazer
P. Stark - Koppers Inc.
K. Coker – Koppers Inc. Plant Manager (2 copies)
J. Abrahams - GeoTrans

Table 1
Summary of Groundwater Elevations
2006 First Semiannual Groundwater Sampling Event
Grenada Facility - Tie Plant, Mississippi

Well	Gauging Date	Top of Casing Elevation (ft msl)	Measured Total Depth (ft TOC)	Depth to Groundwater (ft TOC)	DNAPL Thickness (ft)	LNAPL Thickness (ft)	Groundwater Elevation (ft msl)
R-01R	01-Feb-06	210.87	30.46	24	NP	NP	186.87
R-02	01-Feb-06	209.26	28.5	22.4	NP	NP	186.86
R-03	01-Feb-06	206.96	27.14	20.32	NP	NP	186.64
R-04	01-Feb-06	206.06	26.8	26.2	NP	NP	179.86
R-05	01-Feb-06	211.84	31.53	24.9	NP	NP	186.94
R-05B	01-Feb-06	212.18	52.82	25.02	NP	NP	187.16
R-06	01-Feb-06	213.04	31.13	25.56	NP	NP	187.48
R-07	01-Feb-06	210.98	32.04	24.26	NP	NP	186.72
R-08	01-Feb-06	214.53	31.41	26.84	NP	NP	187.69
R-08B	01-Feb-06	208.98	67	22.81	NP	NP	186.17
R-09	01-Feb-06	213.66	31.3	25.8	NP	NP	187.86
R-09C	01-Feb-06	216	63.8	24.42	NP	NP	191.58
R-09D	01-Feb-06	216.07	88.58	25.07	NP	NP	191
R-10A	01-Feb-06	208.78	30.45	19.27	NP	NP	189.51
R-11	01-Feb-06	203.74	NM	NM	NM	NM	NM
R-13	01-Feb-06	216.69	33.13	30.7	NP	NP	185.99
R-17	01-Feb-06	213.03	31.57	25.96	NP	NP	187.07
R-18	01-Feb-06	212.82	32.88	26.9	NP	NP	185.92
R-20	01-Feb-06	214.1	33.9	25.67	Trace	NP	188.43
R-21	01-Feb-06	211.89	30.8	23.3	NP	NP	188.59
R-24	01-Feb-06	211.76	NM	NM	NM	NM	NM
R-25	01-Feb-06	211.54	NM	NM	NM	NM	NM
R-26	01-Feb-06	211.85	NM	NM	NM	NM	NM
R-27	01-Feb-06	210.05	25.42	20.45	NP	NP	189.6

Notes:
DNAPL - dense non aqueous phase liquid
LNAPL - light non aqueous phase liquid
NM - Not measured
NP - NAPL was not present or observed
ft msl - feet above mean sea level
ft TOC - feet below top of casing

Table 2
Summary of Analytical Data
2006 First Semiannual Groundwater Sampling Event
Grenada Facility - Tie Plant, Mississippi

		Upgradient Wells		Downgradient Wells						
ANALYTE	UNITS	R-01R 2/1/2006	R-10A 2/1/2006	R-07 2/1/2006	R-08 2/1/2006	R-08B 2/1/2006	R-08B-DUP 2/1/2006	R-09 2/1/2006	R-09C 2/1/2006	R-09D 2/1/2006
Method 8270C										
2,3,4,6-TETRACHLOROPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
2,4,5-TRICHLOROPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
2,4,6-TRICHLOROPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
2,4-DIMETHYLPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
2,4-DINITROPHENOL	UG/L	49 U	51 U	49 U	49 U	51 U	51 U	47 U	51 U	49 U
2-CHLOROPHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
4-CHLORO-3-METHYLPHENOL	UG/L	19 U	20 U	20 U	19 U	20 U	20 U	19 U	20 U	19 U
ACENAPHTHENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
ACENAPHTHYLENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
ANTHRACENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
BENZO(A)ANTHRACENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
BENZO(A)PYRENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
BENZO(B)FLUORANTHENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
CHRYSENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
DIBENZO(A,H)ANTHRACENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
FLUORANTHENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
FLUORENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
INDENO(1,2,3-CD)PYRENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
NAPHTHALENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
PENTACHLOROPHENOL	UG/L	49 U	51 U	49 U	49 U	10 U	10 U	9.3 U	10 U	9.7 U
PHENANTHRENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	51 U	51 U	47 U	51 U	49 U
PHENOL	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U
PYRENE	UG/L	9.7 U	10 U	9.8 U	9.7 U	10 U	10 U	9.3 U	10 U	9.7 U

Notes:
DUP indicates duplicate sample.
U indicates compound was analyzed, but not detected.

Columbia Analytical Services Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Lab Submission # : R2629969
Project Manager : Aimee Keefer
Reported : 03/01/06

Report Contains a total of 18 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

Columbia Analytical Services Inc.

CASE NARRATIVE

This report contains analytical results for the following samples:
Submission #: R2629969

Lab ID	Client ID
877259	R-10A
877260	R-01R
877261	R-09D
877262	R-09C
877263	R-09
877264	R-08B
877265	R-07
877266	R-08
877267	R-08BDUP

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved

Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-10A

Date Sampled : 02/01/06 08:57 **Order #:** 877259 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 1.01			
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	51 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	10 U	UG/L
PENTACHLOROPHENOL	50	51 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS	RESULT	UNITS
TERPHENYL-d14	(40 - 137 %)	78	%
NITROBENZENE-d5	(38 - 105 %)	78	%
PHENOL-d6	(10 - 69 %)	32	%
2-FLUOROBIPHENYL	(38 - 100 %)	79	%
2-FLUOROPHENOL	(17 - 74 %)	50	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	96	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-01R

Date Sampled : 02/01/06 09:40 **Order #:** 877260 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

DATE EXTRACTED : 02/03/06
DATE ANALYZED : 02/23/06
ANALYTICAL DILUTION: 0.97

ANALYTE	PQL	RESULT	UNITS
ACENAPHTHENE	10	9.7 U	UG/L
ACENAPHTHYLENE	10	9.7 U	UG/L
ANTHRACENE	10	9.7 U	UG/L
BENZO(A)ANTHRACENE	10	9.7 U	UG/L
BENZO(A)PYRENE	10	9.7 U	UG/L
BENZO(B)FLUORANTHENE	10	9.7 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.7 U	UG/L
2-CHLOROPHENOL	10	9.7 U	UG/L
CHRYSENE	10	9.7 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.7 U	UG/L
2,4-DIMETHYLPHENOL	10	9.7 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
FLUORANTHENE	10	9.7 U	UG/L
FLUORENE	10	9.7 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	19 U	UG/L
NAPHTHALENE	10	9.7 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	10	9.7 U	UG/L
PHENOL	10	9.7 U	UG/L
PYRENE	10	9.7 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.7 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.7 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.7 U	UG/L

SURROGATE RECOVERIES	QC LIMITS	RESULT	UNITS
TERPHENYL-d14	(40 - 137 %)	66	%
NITROBENZENE-d5	(38 - 105 %)	53	%
PHENOL-d6	(10 - 69 %)	27	%
2-FLUOROBIPHENYL	(38 - 100 %)	54	%
2-FLUOROPHENOL	(17 - 74 %)	39	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	68	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-09D

Date Sampled : 02/01/06 13:20 **Order #:** 877261 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

DATE EXTRACTED : 02/03/06
DATE ANALYZED : 02/23/06
ANALYTICAL DILUTION: 0.97

ANALYTE	PQL	RESULT	UNITS
ACENAPHTHENE	10	9.7 U	UG/L
ACENAPHTHYLENE	10	9.7 U	UG/L
ANTHRACENE	10	9.7 U	UG/L
BENZO(A)ANTHRACENE	10	9.7 U	UG/L
BENZO(A)PYRENE	10	9.7 U	UG/L
BENZO(B)FLUORANTHENE	10	9.7 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.7 U	UG/L
2-CHLOROPHENOL	10	9.7 U	UG/L
CHRYSENE	10	9.7 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.7 U	UG/L
2,4-DIMETHYLPHENOL	10	9.7 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
FLUORANTHENE	10	9.7 U	UG/L
FLUORENE	10	9.7 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	19 U	UG/L
NAPHTHALENE	10	9.7 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	10	9.7 U	UG/L
PHENOL	10	9.7 U	UG/L
PYRENE	10	9.7 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.7 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.7 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.7 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	83	%
NITROBENZENE-d5	(38 - 105 %)	78	%
PHENOL-d6	(10 - 69 %)	31	%
2-FLUOROBIPHENYL	(38 - 100 %)	80	%
2-FLUOROPHENOL	(17 - 74 %)	47	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	92	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-09C

Date Sampled : 02/01/06 14:00 **Order #:** 877262 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 1.02			
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	51 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	10 U	UG/L
PENTACHLOROPHENOL	50	51 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS	RESULT	UNITS
TERPHENYL-d14	(40 - 137 %)	81	%
NITROBENZENE-d5	(38 - 105 %)	77	%
PHENOL-d6	(10 - 69 %)	31	%
2-FLUOROBIPHENYL	(38 - 100 %)	80	%
2-FLUOROPHENOL	(17 - 74 %)	48	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	94	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-09

Date Sampled : 02/01/06 13:46 **Order #:** 877263 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 0.93			
ACENAPHTHENE	10	9.3 U	UG/L
ACENAPHTHYLENE	10	9.3 U	UG/L
ANTHRACENE	10	9.3 U	UG/L
BENZO(A)ANTHRACENE	10	9.3 U	UG/L
BENZO(A)PYRENE	10	9.3 U	UG/L
BENZO(B)FLUORANTHENE	10	9.3 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.3 U	UG/L
2-CHLOROPHENOL	10	9.3 U	UG/L
CHRYSENE	10	9.3 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.3 U	UG/L
2,4-DIMETHYLPHENOL	10	9.3 U	UG/L
2,4-DINITROPHENOL	50	47 U	UG/L
FLUORANTHENE	10	9.3 U	UG/L
FLUORENE	10	9.3 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	19 U	UG/L
NAPHTHALENE	10	9.3 U	UG/L
PENTACHLOROPHENOL	50	47 U	UG/L
PHENANTHRENE	10	9.3 U	UG/L
PHENOL	10	9.3 U	UG/L
PYRENE	10	9.3 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.3 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.3 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.3 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	84	%
NITROBENZENE-d5	(38 - 105 %)	75	%
PHENOL-d6	(10 - 69 %)	31	%
2-FLUOROBIPHENYL	(38 - 100 %)	77	%
2-FLUOROPHENOL	(17 - 74 %)	47	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	94	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-08B

Date Sampled : 02/01/06 11:00 **Order #:** 877264 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 1.02			
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	51 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	10 U	UG/L
PENTACHLOROPHENOL	50	51 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	43	%
NITROBENZENE-d5	(38 - 105 %)	56	%
PHENOL-d6	(10 - 69 %)	15	%
2-FLUOROBIPHENYL	(38 - 100 %)	57	%
2-FLUOROPHENOL	(17 - 74 %)	25	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	71	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-07

Date Sampled : 02/01/06 10:20 **Order #:** 877265 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/23/06			
ANALYTICAL DILUTION: 0.98			
ACENAPHTHENE	10	9.8 U	UG/L
ACENAPHTHYLENE	10	9.8 U	UG/L
ANTHRACENE	10	9.8 U	UG/L
BENZO(A)ANTHRACENE	10	9.8 U	UG/L
BENZO(A)PYRENE	10	9.8 U	UG/L
BENZO(B)FLUORANTHENE	10	9.8 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.8 U	UG/L
2-CHLOROPHENOL	10	9.8 U	UG/L
CHRYSENE	10	9.8 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.8 U	UG/L
2,4-DIMETHYLPHENOL	10	9.8 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
FLUORANTHENE	10	9.8 U	UG/L
FLUORENE	10	9.8 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	9.8 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	10	9.8 U	UG/L
PHENOL	10	9.8 U	UG/L
PYRENE	10	9.8 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.8 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.8 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.8 U	UG/L

SURROGATE RECOVERIES	QC LIMITS	RESULT	UNITS
TERPHENYL-d14	(40 - 137 %)	83	%
NITROBENZENE-d5	(38 - 105 %)	72	%
PHENOL-d6	(10 - 69 %)	27	%
2-FLUOROBIPHENYL	(38 - 100 %)	73	%
2-FLUOROPHENOL	(17 - 74 %)	41	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	92	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-08

Date Sampled : 02/01/06 13:00 **Order #:** 877266 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

DATE EXTRACTED : 02/03/06
DATE ANALYZED : 02/23/06
ANALYTICAL DILUTION: 0.97

ANALYTE	PQL	RESULT	UNITS
ACENAPHTHENE	10	9.7 U	UG/L
ACENAPHTHYLENE	10	9.7 U	UG/L
ANTHRACENE	10	9.7 U	UG/L
BENZO(A)ANTHRACENE	10	9.7 U	UG/L
BENZO(A)PYRENE	10	9.7 U	UG/L
BENZO(B)FLUORANTHENE	10	9.7 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	9.7 U	UG/L
2-CHLOROPHENOL	10	9.7 U	UG/L
CHRYSENE	10	9.7 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	9.7 U	UG/L
2,4-DIMETHYLPHENOL	10	9.7 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
FLUORANTHENE	10	9.7 U	UG/L
FLUORENE	10	9.7 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	19 U	UG/L
NAPHTHALENE	10	9.7 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	10	9.7 U	UG/L
PHENOL	10	9.7 U	UG/L
PYRENE	10	9.7 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	9.7 U	UG/L
2,4,6-TRICHLOROPHENOL	10	9.7 U	UG/L
2,4,5-TRICHLOROPHENOL	10	9.7 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	78	%
NITROBENZENE-d5	(38 - 105 %)	75	%
PHENOL-d6	(10 - 69 %)	32	%
2-FLUOROBIPHENYL	(38 - 100 %)	78	%
2-FLUOROPHENOL	(17 - 74 %)	49	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	94	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C PAH'S / PHENOLS
Reported: 03/01/06

KEY Environmental, Inc.
Project Reference: BEAZER/GRENADA MONITORING- JANUARY 2006
Client Sample ID : R-08BDUP

Date Sampled : 02/01/06 11:00 **Order #:** 877267 **Sample Matrix:** WATER
Date Received: 02/02/06 **Submission #:** R2629969 **Analytical Run** 126532

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 02/03/06			
DATE ANALYZED : 02/24/06			
ANALYTICAL DILUTION: 1.02			
ACENAPHTHENE	10	10 U	UG/L
ACENAPHTHYLENE	10	10 U	UG/L
ANTHRACENE	10	10 U	UG/L
BENZO(A)ANTHRACENE	10	10 U	UG/L
BENZO(A)PYRENE	10	10 U	UG/L
BENZO(B)FLUORANTHENE	10	10 U	UG/L
INDENO(1,2,3-CD)PYRENE	10	10 U	UG/L
2-CHLOROPHENOL	10	10 U	UG/L
CHRYSENE	10	10 U	UG/L
DIBENZ(A,H)ANTHRACENE	10	10 U	UG/L
2,4-DIMETHYLPHENOL	10	10 U	UG/L
2,4-DINITROPHENOL	50	51 U	UG/L
FLUORANTHENE	10	10 U	UG/L
FLUORENE	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	20	20 U	UG/L
NAPHTHALENE	10	10 U	UG/L
PENTACHLOROPHENOL	50	51 U	UG/L
PHENANTHRENE	10	10 U	UG/L
PHENOL	10	10 U	UG/L
PYRENE	10	10 U	UG/L
2,3,4,6-TETRACHLOROPHENOL	10	10 U	UG/L
2,4,6-TRICHLOROPHENOL	10	10 U	UG/L
2,4,5-TRICHLOROPHENOL	10	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	95	%
NITROBENZENE-d5	(38 - 105 %)	80	%
PHENOL-d6	(10 - 69 %)	33	%
2-FLUOROBIPHENYL	(38 - 100 %)	84	%
2-FLUOROPHENOL	(17 - 74 %)	49	%
2,4,6-TRIBROMOPHENOL	(41 - 135 %)	109	%

Enclosure 3 –
March 2006 Wastewater Analytical Data

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

Attn: Kevin Coker

Date Reported: 03/14/06

Date Received: 03/10/06

Project ID/Location: Form 2-P

Project Number:

SAMPLE INFORMATION

Sample No.	Sample Description	Matrix	Date/Time Sampled		Sampled by
BB97952	Effluent Blank	WATER	03/10/06	08:55	CS/FW
BB97953	Effluent	WATER	03/10/06	09:00	CS

ANALYTICAL RESULTS

Sample No.	Parameter	Result	Units	Det Limit	Method	Analysts	Date	Time
BB97952	Mercury (Low Level)	ND	ng/L	0.5	1631E	RAH	03/14/06	12:50
BB97953	Mercury (Low Level)	7.3	ng/L	0.5	1631E	RAH	03/14/06	12:55

Janet Harter
Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

MS7

ARGUS ANALYTICAL, INC.

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

NELAP Accredited
LELAP 04023

To: Koppers Company
1 Koppers Drive
Tie Plant, MS 38960

Attn: Kevin Coker

Date Reported: 03/21/06
Date Received: 03/10/06
Date/Time Sampled: 03/10/06 09:05
Sampled by: CS

Project Number:

Project ID/Location: Form 2-P

Sample Number: BB97954
Page Number: 1

Sample Description: Wastewater
Sample Matrix: WATER

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Part A (pg 5)							
Biochemical Oxygen Demand	5.4	1.0	mg/L	405.1	MWS	03/10/06	14:05
Chemical Oxygen Demand	435	20	mg/L	410.4	RAH	03/15/06	12:00
Total Suspended Solids	58	1.0	mg/L	160.2	SMB	03/14/06	15:30
Ammonia (as N)	0.65	0.1	mg/L	350.1	MEW	03/15/06	13:24
pH	8.19		units	150.1	MWS	03/10/06	16:43
Part B (pgs 6-9)							
Bromide	1.3	0.5	mg/L	ASTM D1246	JWH	03/16/06	15:00
Total Residual Chlorine (WW)	0.06	0.01	mg/L	330.5	MWS	03/10/06	12:45
Fluoride	0.31	0.1	mg/L	4500-F-C	MEW	03/10/06	13:10
Nitrate/Nitrite	ND	0.10	mg/L	353.2	MEW	03/14/06	12:21
Organic Nitrogen	16.7	0.1	mg/L	350.1/351.1	MEW	03/15/06	15:42
Oil & Grease	ND	2.0	mg/L	1664A	CRM	03/14/06	08:26
Total Phosphorus	2.65	0.01	mg/L	365.4	MEW	03/14/06	10:19
Sulfate	ND	10.0	mg/L	375.4	MWS	03/17/06	08:45
Sulfide	0.4	0.1	mg/L	376.1	JWH	03/16/06	22:00
Sulfite	ND	0.3	mg/L	377.1	MWS	03/10/06	12:20
Surfactants	ND	0.20	mg/L	425.1	SMB	03/10/06	12:15
Part B (pgs 6-9 cont)							
Aluminum	0.52	0.10	mg/L	200.7	BTH	03/14/06	18:07
Barium	0.05	0.01	mg/L	200.7	BTH	03/14/06	18:07
Boron	0.14	0.01	mg/L	200.7	BTH	03/13/06	14:30
Cobalt	0.04	0.01	mg/L	200.7	BTH	03/14/06	18:08
Iron	10.2	0.02	mg/L	200.7	BTH	03/14/06	18:07
Magnesium	8.29	0.05	mg/L	200.7	BTH	03/14/06	18:07
Molybdenum	ND	0.05	mg/L	200.7	BTH	03/13/06	14:32
Manganese	2.62	0.01	mg/L	200.7	BTH	03/14/06	18:07
Tin	ND	0.02	mg/L	200.7	BTH	03/13/06	14:32
Titanium	ND	0.05	mg/L	200.7	BTH	03/13/06	14:29
Part C (pgs 10-12)							
Antimony	ND	0.05	mg/L	200.7	BTH	03/14/06	18:10
Arsenic	ND	0.05	mg/L	200.7	BTH	03/14/06	18:10

Sample Description: Wastew

Sample Number: BB97954

Page Number: 2

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Beryllium	ND	0.01	mg/L	200.7	BTH	03/14/06	18:08
Cadmium	ND	0.02	mg/L	200.7	BTH	03/14/06	18:08
Chromium	ND	0.05	mg/L	200.7	BTH	03/14/06	18:08
Copper	0.017	0.010	mg/L	200.7	BTH	03/14/06	18:07
Lead	ND	0.050	mg/L	200.7	BTH	03/14/06	18:08
Nickel	0.06	0.02	mg/L	200.7	BTH	03/14/06	18:10
Selenium	ND	0.05	mg/L	200.7	BTH	03/14/06	18:10
Silver	ND	0.005	mg/L	200.7	BTH	03/14/06	18:09
Thallium	ND	0.02	mg/L	200.7	BTH	03/14/06	18:10
Zinc	0.286	0.025	mg/L	200.7	BTH	03/14/06	18:10
Cyanide, Total	ND	0.01	mg/L	335.4	MEW	03/17/06	11:44
Phenolics	ND	0.05	mg/L	420.2	MEW	03/16/06	13:30
Priority Pollutant Volatile Organics							
Acrolein	ND	0.005	mg/L	624	KRE	03/10/06	16:04
Acrylonitrile	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Benzene	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Bromodichloromethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Bromoform	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Bromomethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Carbon tetrachloride	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Chlorobenzene	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Chloroethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
2-Chloroethylvinyl ether	ND	0.005	mg/L	624	KRE	03/10/06	16:04
Chloroform	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Chloromethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Dibromochloromethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
1,1-Dichloroethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
1,2-Dichloroethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
1,1-Dichloroethene	ND	0.002	mg/L	624	KRE	03/10/06	16:04
1,2-Dichloroethene	ND	0.005	mg/L	624	KRE	03/10/06	16:04
1,2-Dichloropropane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
cis-1,3-Dichloropropene	ND	0.002	mg/L	624	KRE	03/10/06	16:04
trans-1,3-Dichloropropene	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Ethylbenzene	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Methylene chloride	ND	0.005	mg/L	624	KRE	03/10/06	16:04
1,1,2,2-Tetrachloroethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Tetrachloroethene (PCE)	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Toluene	ND	0.002	mg/L	624	KRE	03/10/06	16:04
1,1,1-Trichloroethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
1,1,2-Trichloroethane	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Trichloroethene (TCE)	ND	0.002	mg/L	624	KRE	03/10/06	16:04
Vinyl chloride	ND	0.001	mg/L	624	KRE	03/10/06	16:04
Priority Pollutant Semivolatile Organic							
Acenaphthene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Acenaphthylene	ND	0.002	mg/L	625	RLT	03/14/06	19:05

Sample Description: Wastew

Sample Number: BB97954
Page Number: 3

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
Anthracene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Benzidine	ND	0.005	mg/L	625	RLT	03/14/06	19:05
Benzo(a)anthracene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Benzo(a)pyrene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Benzo(b)fluoranthene	ND	0.005	mg/L	625	RLT	03/14/06	19:05
Benzo(g,h,i)perylene	ND	0.005	mg/L	625	RLT	03/14/06	19:05
Benzo(k)fluoranthene	ND	0.005	mg/L	625	RLT	03/14/06	19:05
bis(2-Chloroethoxy)methane	ND	0.002	mg/L	625	RLT	03/14/06	19:05
bis(2-Chloroethyl)ether	ND	0.005	mg/L	625	RLT	03/14/06	19:05
bis(2-Chloroisopropyl)ether	ND	0.002	mg/L	625	RLT	03/14/06	19:05
bis(2-Ethylhexyl) phthalate	0.011	0.005	mg/L	625	RLT	03/14/06	19:05
4-Bromophenyl phenyl ether	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Butyl benzyl phthalate	ND	0.005	mg/L	625	RLT	03/14/06	19:05
4-Chloro-3-methylphenol	ND	0.002	mg/L	625	RLT	03/14/06	19:05
2-Chloronaphthalene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
2-Chlorophenol	ND	0.002	mg/L	625	RLT	03/14/06	19:05
4-Chlorophenyl phenyl ether	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Chrysene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Dibenzo(a,h)anthracene	ND	0.005	mg/L	625.	RLT	03/14/06	19:05
Di-n-butyl phthalate	ND	0.005	mg/L	625	RLT	03/14/06	19:05
1,2-Dichlorobenzene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
1,3-Dichlorobenzene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
1,4-Dichlorobenzene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
3,3'-Dichlorobenzidine	ND	0.002	mg/L	625	RLT	03/14/06	19:05
2,4-Dichlorophenol	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Diethyl phthalate	ND	0.005	mg/L	625	RLT	03/14/06	19:05
Dimethyl phthalate	ND	0.002	mg/L	625	RLT	03/14/06	19:05
2,4-Dimethylphenol	ND	0.002	mg/L	625	RLT	03/14/06	19:05
4,6-Dinitro-2-methylphenol	ND	0.001	mg/L	625	RLT	03/14/06	19:05
2,4-Dinitrophenol	ND	0.005	mg/L	625	RLT	03/14/06	19:05
2,4-Dinitrotoluene	ND	0.005	mg/L	625	RLT	03/14/06	19:05
2,6-Dinitrotoluene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Di-n-octyl phthalate	ND	0.002	mg/L	625	RLT	03/14/06	19:05
1,2-Diphenylhydrazine	ND	0.005	mg/L	625	RLT	03/14/06	19:05
Fluoranthene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Fluorene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Hexachlorobenzene	ND	0.001	mg/L	625	RLT	03/14/06	19:05
Hexachlorobutadiene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Hexachlorocyclopentadiene	ND	0.005	mg/L	625	RLT	03/14/06	19:05
Hexachloroethane	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Indeno(1,2,3-cd)pyrene	ND	0.005	mg/L	625	RLT	03/14/06	19:05
Isophorone	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Naphthalene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Nitrobenzene	ND	0.001	mg/L	625	RLT	03/14/06	19:05
2-Nitrophenol	ND	0.002	mg/L	625	RLT	03/14/06	19:05
4-Nitrophenol	ND	0.005	mg/L	625	RLT	03/14/06	19:05

Sample Description: Wastew

Sample Number: BB97954
Page Number: 4

Parameter	Result	Det Limit	Units	Method	Analysts	Date	Time
n-Nitrosodi-n-propylamine	ND	0.002	mg/L	625	RLT	03/14/06	19:05
n-Nitrosodimethylamine	ND	0.002	mg/L	625	RLT	03/14/06	19:05
n-Nitrosodiphenylamine	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Pentachlorophenol	ND	0.001	mg/L	625	RLT	03/14/06	19:05
Phenanthrene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Phenol	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Pyrene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
1,2,4-Trichlorobenzene	ND	0.002	mg/L	625	RLT	03/14/06	19:05
2,4,6-Trichlorophenol	ND	0.002	mg/L	625	RLT	03/14/06	19:05
Priority Pollutant Pesticides/PCBs							
Aldrin	ND	0.00005	mg/L	608	RM	03/14/06	11:35
alpha-BHC	ND	0.00005	mg/L	608	RM	03/14/06	11:35
beta-BHC	ND	0.00005	mg/L	608	RM	03/14/06	11:35
gamma-BHC (Lindane)	ND	0.00005	mg/L	608	RM	03/14/06	11:35
delta-BHC	ND	0.00005	mg/L	608	RM	03/14/06	11:35
Chlordane	ND	0.00005	mg/L	608	RM	03/14/06	11:35
4,4'-DDT	ND	0.00010	mg/L	608	RM	03/14/06	11:35
4,4'-DDE	ND	0.00010	mg/L	608	RM	03/14/06	11:35
4,4'-DDD	ND	0.00010	mg/L	608	RM	03/14/06	11:35
Dieldrin	ND	0.00010	mg/L	608	RM	03/14/06	11:35
Endosulfan I	ND	0.00005	mg/L	608	RM	03/14/06	11:35
Endosulfan II	ND	0.00010	mg/L	608	RM	03/14/06	11:35
Endosulfan sulfate	ND	0.00010	mg/L	608	RM	03/14/06	11:35
Endrin	ND	0.00010	mg/L	608	RM	03/14/06	11:35
Endrin aldehyde	ND	0.00010	mg/L	608	RM	03/14/06	11:35
Heptachlor	ND	0.00005	mg/L	608	RM	03/14/06	11:35
Heptachlor epoxide	ND	0.00005	mg/L	608	RM	03/14/06	11:35
PCB-1016	ND	0.00100	mg/L	608	RM	03/14/06	11:35
PCB-1221	ND	0.00200	mg/L	608	RM	03/14/06	11:35
PCB-1232	ND	0.00100	mg/L	608	RM	03/14/06	11:35
PCB-1242	ND	0.00100	mg/L	608	RM	03/14/06	11:35
PCB-1248	ND	0.00100	mg/L	608	RM	03/14/06	11:35
PCB-1254	ND	0.00100	mg/L	608	RM	03/14/06	11:35
PCB-1260	ND	0.00100	mg/L	608	RM	03/14/06	11:35
Toxaphene	ND	0.00100	mg/L	608	RM	03/14/06	11:35

Note: Dioxins and radiological will be reported and billed separately

Quality Assurance/Quality Control

B. G. Giessner, Ph.D.

* See supplementary information, attached.

MP1

ENO RIVER LABS

Prepared for: Argus Analytical
Reference ID: Water Testing-Effluent

Project Summary 66305
Method 1613B
Concentrations shown in pg/L

	BLANK	BB97954
Analytes		
2,3,7,8-TCDD	< 10.0	< 10.0
Extraction Date	3/15/2006	3/15/2006
Analysis Date	3/20/2006	3/20/2006
Primary Filename	S060746	S060749
Confirm Filename	N/A	N/A
Dilution Filename	N/A	N/A

Data Flag Descriptions:
< Not detected -1613 Minimum Levels reported
[..] EMPC Value
B Analyte detected in Blank
C Value reported from Confirmatory Analysis
D Value reported from Dilution Analysis
E Estimated Value - Above Calibration Range
J Estimated Value- Below Calibration Range
N/A Not Applicable
Q Quantitative Interference Present
S Analyte saturated
X Interference from Diphenyl Ethers

2445 S. Alston Avenue, Durham NC 27713 ◎ 919-281-4040 ◎ FAX 919-281-4070 ◎ www.enoriverlabs.com

ARS AMERICAN RADIATION SERVICES, INC.
2609 North River Road, Port Allen, Louisiana 70767
1 (800) 401-4277 FAX (225) 381-2996

ARS Sample Delivery Group: ARS1-06-00540
Client Sample ID: BB97954
Sample Collection Date: 03/10/06 09:15
Sample Matrix: Aqueous

Request or PO Number: AA06-5209
ARS Sample ID: ARS1-06-00540-001
Date Received: 03/14/06 00:00
Report Date: 03/31/06 10:41

Analysis Description	Analysis Results	Analysis Error +/- 2 s	MDC	DLC	Analysis Units	Analysis Test Method	Analysis Date/Time	Analysis Technician	Tracer/Chem Recovery
GROSS ALPHA	-0.6199	3.0328	4.2703	NA	pCi/L	EPA 900	3/28/06 6:55	KP	NA
GROSS BETA	40.8459	1.9704	2.0951	NA	pCi/L	EPA 900	3/28/06 6:55	KP	NA
RA-228	0.0800	0.2500	0.7800	NA	pCi/L	EPA 904	3/27/06 14:25	KP	NA
RA-226	-0.1900	0.1600	0.6100	NA	pCi/L	EPA 903	03/28/06 16:23	KP	NA

NOTES:

Misty Douglas
Quality Assurance Review

LELAP Certificate# 30658 NELAP Certificate # E87558

FORM 2-P

For Agency Use
Application Number
MSP090300
Date Received

STATE OF MISSISSIPPI
OFFICE OF POLLUTION CONTROL
P. O. BOX 10385
JACKSON, MISSISSIPPI 39289-0385

MAR 06 2009
MDEQ

APPLICATION FOR A STATE OPERATING PRETREATMENT PERMIT

(Please print or type)

1. Name of Applicant:	KOPPERS INC.				
2. Mailing Address of Applicant:					
Number & Street (P. O. Box):	P.O. BOX 160				
City:	THE PLANT	State:	MS	Zip:	38960
Telephone Number:	662-226-4584				
3. Applicant's Authorized Agent:					
Name and Title:	KEVIN B. COKER PLANT MANAGER				
Number & Street (P. O. Box):	P.O. BOX 160				
City:	THE PLANT	State:	MS	Zip:	38960
Telephone Number:	662-226-4584 (x11)				
4. Facilities Location:					
Number & Street (P. O. Box):	ONE KOPPERS DRIVE				
City:	THE PLANT	County:	GRENADA		
Latitude (Deg., Min., Sec.):	NORTH 33° - 44.123'				
Longitude (Deg., Min., Sec.):	WEST 89° - 47.025'				

5. Nature of Business: WOOD PRESERVATION

6. Location Map: (Provide as an attachment to this application)

7. SIC CODES (*4-digit, in order of priority*)

A. FIRST	B. SECOND
2491	

C. THIRD	D. FOURTH

8. Name of POTW Receiving Wastewater: CITY OF GRENADA

Number & Street (P. O. Box):

City: GRENADA County: GRENADA

9. Discharge Type and Occurrence:

A. Type of Discharge: ___ Continuous; If Continuous

45,000 Gallons Per Day, ✓ Batch

B. Discharge Occurrence: 7 Days per Week

C. Discharge Occurrence:

✓	January	✓	February	✓	March	✓	April
✓	May	✓	June	✓	July	✓	August
✓	September	✓	October	✓	November	✓	December

10. If Batch: A. 15,000 Thousand Gallons per Discharge

B. ___ Hours per Day

C. 3 Discharge Occurrence per Day

11. Maximum Period of Flow: From JANUARY to DECEMBER

Month Month

12. Facility Water Use:	
Estimate average volume in thousand gallons per day for the following types of water usage at this facility.	
Noncontact Cooling:	1,288,500
Boiler Feed:	5000
Process (Including Contact Cooling):	
Sanitary:	450
Other:	
Total:	
13. List all Facility Discharges:	OUTFALL #001
Other water losses (surface water, product consumption, evaporation). Indicate volume in thousand gallons.	
PROCESS, SANITARY, BOILER BLOWDOWN, CONTAMINATED STORMWATER TO POTW, STORMWATER RUNOFF TO SURFACE DISCHARGE. COOLING WATER EVAPORATION SEPTIC TANK. GROUND WATER GENERATED FROM MONITORING WELLS.	
14. Give narrative description of process(es) producing discharge, or in case of no discharge, that generates wastewater.	
THE WOOD PRESERVATION PROCESS GENERATES "PROCESS WATER" STEMMING FROM WATER LOSSES FROM WOOD PRODUCTS, STEAM, AND BOILER OPERATIONS. STORMWATER COLLECTED IN PROCESS AREAS IS MANAGED AS PROCESS WATER. SANITARY WASTE WATER FROM OFFICES AND SERVICE BUILDINGS ARE DISCHARGED TO SEPTIC TANKS. CREOSOTE AND PENTACHLOROPHENOL PRESERVATIVE.	
15. List raw materials used:	
WOOD - SOUTHERN PINE, VARIOUS HARDWOODS	

16. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section ..04 of the Clean Water Act apply to your Facility?

☐ Yes (complete Item 16-B) ☒ No (Go to 17)

B. Are the limitations in the applicable effluent guidelines expressed in terms of production (or other measure of operation)?

☐ Yes (complete Item 16-C) ☐ No (Go to 17)

C. If you answered "yes" to Item 16-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	B. UNITS OF MEASURE	C. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
N/A	N/A	N/A	N/A

17. Effluent Characteristics:

√ A. You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall to the city sewer. If your facility does not have a discharge indicate so and disregard.

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCENTRATION	b. MASS	(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	7.5 mg/L		5.35 mg/L				4					
b. Chemical Oxygen Demand (COD)	75 mg/L		100 mg/L				1					
c. Total Suspended Solids (TSS)	61 mg/L		51.5 mg/L				4					
d. Ammonia (as N)	0 mg/L		0 mg/L				1					
e. Flow	VALUE 13,782		VALUE 32,031		VALUE					VALUE		
f. Temperature (winter)	VALUE 85 °F		VALUE		VALUE			°C		VALUE		
g. Temperature (summer)	VALUE 93 °F		VALUE		VALUE			°C		VALUE		
h. pH	MIN	MAX	MIN 8.00	MAX 8.60				STANDARD UNITS				

8.26 SU e
JAN. 20, 2006

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*Use the same format*) instead of completing these pages.

B. INTAKE AND EFFLUENT CHARACTERISTICS

OUTFALL NO. 001

Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" i column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitive data or an explanation of their presence in your discharge. Complete one table for each outfall.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAK (optional)		
	A. BELIEVED PRESENT	B. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL YSES
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
a. Bromide (24959-67-9)		X							N/A					
b. Chlorine, Total Residual		X							N/A					
c. Fluoride (16984-48-8)		X							N/A					
d. Nitrate-Nitrite (as N)		X							N/A					

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. BELIEVED PRESENT	B. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
e. Nitrogen, Total Organic (*as N*)		X							N/A					
f. Oil and Grease	X		0mg/L		0mg/L				4					
g. Phosphorus (*as P*), Total (7723-14-0)		X							N/A					
h. Radioactivity														
1. Alpha, Total		X							N/A					
2. Beta, Total		X							N/A					
3. Radium Total		X							N/A					
4. Radium 226, Total		X							N/A					
i. Sulfate (*as* SO_4) 14808-79-8)		X							N/A					

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. BELIEVED PRESENT	B. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
j. Sulfide (as S)		X							N/A					
k. Sulfite (as SO_3) (14265-45-3)		X							N/A					
l. Surfactants		X							N/A					
m. Aluminum Total (7429-90-5)		X							N/A					
n. Barium Total (7440-39-3)		X							N/A					
o. Boron, Total (7440-42-8)		X							N/A					
p. Cobalt Total (7440-48-4)		X							N/A					
q. Iron Total (7439-89-6)		X							N/A					

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. BE-LIEVED PRE-SENT	B. BE-LIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANAL-YSIS	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
			(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
r. Magnesium Total (7439-95-4)		X							N/A					
s. Molybdenum Total (7439-98-7)		X							N/A					
t. Manganese Total (7439-96-5)		X							N/A					
u. Tin, Total (4770-31-5)		X							N/A					
v. Titanium Total (7440-32-6)		X							N/A					

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table I (see attachment) to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 20 pages to this part; please review each carefully. Complete one table (*all 20 pages*) for each outfall.

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X" A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	3. EFFLUENT A. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (*if available*) (1) CONC.	(2) MASS	c. LONG TERM AVERAGE VALUE (*if available*) (1) CONC.	(2) MASS	d. NO. OF ANALYSIS	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (*optional*) a. LONG TERM AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)	X		X							1	ND				
2M. Arsenic, Total (7440-38-2)	X		X							3	ND				
3M. Beryllium Total 7440-41-7	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
4M. Cadmium, Total (7440-[illegible]9)	X		X							1	ND				
[illegible]M. Chromium, Total (7440-47-3)	X		X							3	ND				
5M. Copper, Total (7440-50-8)	X	X								1	0.012 mg/L				
7M. Lead, Total (7439-92-1)	X		X							1	ND				
8M. [illegible]cury, [illegible]al (7439-97-6)	X		X							1	ND				
9M. Nickel, Total (7440-02-0)	X	X								3	0.04 mg/L				
10M. Selenium, Total (7782-49-2)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
11M. Silver, Total (7440-22-4)	X		X							1	ND				
12M. Thallium, Total (7440-28-0)	X		X							1	ND				
13M. Zinc Total (7440-66-6)	X	X								3	1.36 mg/L				
14M. Cyanide, Total (57-12-5)	X		X							1	ND				
15M. Phenols, Total	X		X							1	ND				
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)	X		X	DESCRIBE RESULTS NO 2,3,7,8 TCDD - WAS DETECTED IN THE METHOD BLANK ABOVE THE TARGET DETECTION LIMIT (TDL). (PRIOR APPLICATION)											

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein ([illegible]07-[illegible]8)	X		X							1	ND				
2V. Acrylonitrile (107-13-1)	X		X							1	ND				
3V. Benzene (71-43-2)	X	X								1	ND				
4V. Bis (Chloromethyl) Ether (542-88-1)	X		X							1	ND				
5V. [illegible]moform ([illegible]5-25-2)	X		X							1	ND				
6V. Carbon Tetrachloride (56-23-5)	X		X							1	ND				
7V. Chlorobenzene (108-90-7)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
8V. Chlorodibromomethane (124-[illegible])	X		X							1	ND				
9V. Chloroethane (75-00-3)	X		X							1	ND				
10V. 2-Chloroethylvinyl Ether (110-75-8)	X		X							1	ND				
11V. Chloroform (67-66-3)	X		X							1	ND				
1[illegible] Dichlorobromomethane (75-27-4)	X		X							1	ND				
13V. Dichlorodifluoromethane (75-71-8)	X		X							1	ND				
14V. 1,1-Dichloroethane (75-34-3)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
15V. 1,2-Dichloroethane (107-[illegible])	X		X							1	ND				
16V. 1,1-Dichloroethylene (75-35-4)	X		X							1	ND				
17V. 1,2-Dichloropropane (78-87-5)	X		X							1	ND				
18V. 1,3-Dichloropropylene (542-75-6)	X		X							1	ND				
19V. Ethyl-[illegible]ene ([illegible]-41-4)	X		X							1	ND				
20V. Methyl Bromide (74-83-9)	X		X							1	ND				
21V. Methyl Chloride (74-87-3)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	b. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene [illegible]loride ([illegible]-09-2)	X		X							1	NA				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X		X							1	NA				
24V. Tetrachloroethylene (127-18-4)	X		X							1	NA				
25V. Toluene (108-[illegible]3)	X		X							1	NA				
[illegible]V. 1,2-Trans-Dichloroethylene (156-60-5)	X		X							1	NA				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
27V. 1,1,1-Trichloroethane ([illegible]-55-6)	X		X							1	ND				
[illegible]V. 1,1,2-Trichloroethane (79-00-5)	X		X							1	ND				
29V. Trichloroethylene (79-01-6)	X		X							1	ND				
30V. Trichlorofluoromethane (75-69-4)	X		X							1	ND				
31V. [illegible]yl [illegible]oride ([illegible]-01-4)	X		X							1	ND				
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X		X							1	ND				
2A. 2,4-Dichlorophenol (120-83-[illegible])	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT								4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
3A. 2,4-Dimethylphenol (105-[illegible]7-9)	X		X							1					
[illegible]A. 4,6-Dinitro-O-Cresol (534-52-1)	X		X							1					
5A. 2,4-Dinitrophenol (51-28-5)	X		X							1					
6A. 2-Nitrophenol (88-75-5)	X		X							1					
7A. 4-Nitro-[illegible]henol ([illegible]00-[illegible]-7)	X		X							1					
8A. P-Chloro-M-Cresol (59-50-7)	X		X							1					
9A. Pentachlorophenol (87-86-5)	X	X								9	0.005 mg/L				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
10A. Phenol (108-95-2)	X	X								9	ND				
[illegible],6-Trichloro phenol (88-06-2)	X		X							1	ND				
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X	X								1	ND				
2B. Acenaphtylene (208-96-8)	X		X							1	ND				
3B. [illegible] (120-12-7)	X		X							1	ND				
4B. Benzidine (92-87-5)	X		X							1	ND				
5B. Benzo (a) Anthracene (56-55-3)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
6B. Benzo (a) Pyrene (50-32-8)	X		X							1	ND				
[illegible] 3,4-Benzo-fluoranthene (205-99-2)	X		X							1	ND				
8B. Benzo (*ghi*) Perylene (191-24-2)	X		X							1	ND				
9B. Benzo (*k*) Fluoranthene (207-08-9)	X		X							1	ND				
[illegible] Bis (2-*Chloroethoxy*) Methane (111-91-1)	X		X							1	ND				
11B. Bis (2-*Chloroethyl*) Ether (111-44-4)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
12B. Bis(2-Chloroisopropyl) Ether ([illegible]-1)	X		X							1	ND				
13B. Bis(2-Ethylhexyl) Phthalate (117-81-7)	X		X							1	ND				
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X		X							1	ND				
15B. Butyl Benzyl Phthalate (85-68-7)	X		X							1	ND				
16B. 2-Chloronaphthalene (91-58-7)	X		X							1	ND				
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. [illegible] X			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
18B. Chrysene (218-01-9)	X		X							1	NP				
[illegible] nzo (a,h) Anthracene (53-70-3)	X		X							1	NP				
20B. 1,2-Dichlorobenzene (95-50-1)	X		X							1	NP				
21B. 1,3-Dichlorobenzene (541-73-1)	X		X							1	NP				
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
2[illegible] 1,4-Dichlorobenzene (106-46-7)	X		X							1	NP				
23B. 3,3'-Dichlorobenzidine (91-94-1)	X		X							1	NP				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
24B. Diethyl Phthalate (84-66-2)	X		X							1	ND				
[illegible]ethyl Phthalate (131-11-3)	X		X							1	ND				
26B. Di-N-Butyl Phthalate (84-74-2)	X		X							1	ND				
27B. 2,4-Dinitrotoluene (121-14-2)	X		X							1	ND				
28B. 2,6-Dinitrotoluene ([illegible]2)	X		X							1	ND				
29B. Di-N-Octyl Phthalate (117-84-0)	X		X							1	ND				
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X": A. TESTING REQUIRED	2. MARK "X": B. BELIEVED PRESENT	2. MARK "X": C. BELIEVED ABSENT	3. EFFLUENT: a. MAXIMUM DAILY VALUE (1) CONC.	3. EFFLUENT: a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT: b. MAXIMUM 30 DAY VALUE (if available) (1) CONC.	3. EFFLUENT: b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT: c. LONG TERM AVERAGE VALUE (if available) (1) CONC.	3. EFFLUENT: c. LONG TERM AVERAGE VALUE (if available) (2) MASS	3. EFFLUENT: d. NO. OF ANALYSIS	4. UNITS: a. CONCENTRATION	4. UNITS: b. MASS	5. INTAKE (optional): a. LONG TERM AVERAGE VALUE (1) CONC.	5. INTAKE (optional): a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional): b. NO. OF ANALYSES
31B. Fluoranthene (206-44-0)	X		X							1	ND				
orene (86-73-7)	X		X							1	ND				
33B. Hexachlorobenzene (118-74-1)	X		X							1	ND				
34B. Hexa-chloro-butadiene (87-68-3)	X		X							1	ND				
35B. Hexa-chlorocyclopentadi (47-4)	X		X							1	ND				
36B. Hexa-chloro-ethane (67-72-1)	X		X							1	ND				
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
38B. Isophorone (78-59-1)	X		X							1	ND				
39B. Naphthalene (91-20-3)	X	X								1	ND				
40B. Nitrobenzene (98-95-3)	X		X							1	ND				
41B. N-Nitrosodimethylamine (62-75-9)	X		X							1	ND				
42B. N-Nitrosodi N-Propylamine (621-64-7)	X		X							1	ND				
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)	X		X							1	ND				
44B. Phenanthrene (85-01-8)	X		X							1	ND				

POLLUTANT AND CAS NO. (if available)	2. A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	3. EFFLUENT A. MAXIMUM DAILY VALUE (1) CONC.	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONC.	(2) MASS	c. LONG TERM AVERAGE VALUE (if available) (1) CONC.	(2) MASS	d. NO. OF ANALYSIS	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONC.	(2) MASS	b. NO. OF ANALYSES
45B. Pyrene (129-00-0)	X		X							1	NV				
[illegible] [illegible]4-Trichloro benzene (120-82-1)	X		X							1	NV				
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)	X		X							1	NV				
2P. α-BHC (319-84-6)	X		X							1	NV				
3P. β-BHC (319-[illegible])	X		X							1	NV				
4P. γ-BHC (58-89-9)	X		X							1	NV				
5P. δ-BHC (319-86-8)	X		X							1	NV				
6P. Chlordane (57-74-9)	X		X							1	NV				
7P. 4,4'-DDT (50-29-3)	X		X							1	NV				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
8P. 4,4'-DDE (72-55-9)	X		X							1	NY				
9P. 4,4'-D[illegible] [illegible]54-8)	X		X							1	NY				
10P. Dieldrin (60-57-1)	X		X							1	NY				
11P. α-Endosulfan (115-29-7)	X		X							1	NY				
12P. β-Endosulfan (115-29-7)	X		X							1	NY				
13P Endo-[illegible]fan [illegible]ate ([illegible]031-07-8)	X		X							1	NY				
14P. Endrin (72-20-8)	X		X							1	NY				
15P. Endrin Aldehyde (7421-93-4)	X		X							1	NY				

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVERAGE VALUE (if available)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
16P. Heptachlor ([illegible]-44-8)	X		X							1	ND				
17P. Heptachlor Epoxide (1024-57-3)	X		X							1	ND				
18P. PCB-1242 (53469-21-9)	X		X							1	ND				
19P. PCB-1254 (11097-69-1)	X		X							1	ND				
20P. PCB-[illegible] ([illegible]04-28-2)	X		X							1	ND				
21P. PCB-1232 (11141-16-5)	X		X							1	ND				

1. POLLUTANT AND CAS NO. (*if available*)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (*optional*)		
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (*if available*)		c. LONG TERM AVERAGE VALUE (*if available*)		d. NO. OF ANALYSIS	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONC.	(2) MASS	(1) CONC.	(2) MASS	(1) CONC.	(2) MASS				(1) CONC.	(2) MASS	
GC/MS FRACTION PESTICIDES (*continued*)															
22P. PCB-1248 (12672-29-6)	X		X							1	ND				
23P. PCB-1260 (11096-82-5)	X		X							1	ND				
24P. PCB-1016 (12674-11-2)	X		X							1	ND				
25P. Toxaphene (8001-35-2)	X		X							1	ND				

A. Do you provide treat[illegible]t for your wastewater?		Yes	No

B. If yes, list and describe each treatment unit and attach a line schematic of the treatment system indicating each treatment unit and a water balance.

INITIAL TREATMENT OCCURS AS SEPARATION IN SETTLING TANK. THE SUBSEQUENT SERIES OF TREATMENT INVOLVES FLOCCULATION, GRAVITY SEPARATION AND BIOLOGICAL TREATMENT. A SCHEMATIC OF THE PROCESS FOLLOWS. A SCHEMATIC IS ATTACHED.

19. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item 17 performed by a contract laboratory or consulting firm?

☑ YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)*

☐ NO *(go to Item 20)*

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
ARGUS ANALYTICAL, INC.	235 HIGHPOINT DRIVE RIDGELAND, MS 39157	(662) 957-2676	PRETREATMENT REQUIREMENTS LISTED ON FORM 2-P. CORRESPONDING ANALYTICAL RESULTS ARE ATTACHED.

20. I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true and correct.

Printed Name of Applicant's Authorized Agent Title and/or Individual Meeting Signatory Requirements of 40 CFR 403.12(1)	Title
Date Application Signed	Signature of Authorized Agent and/or Individual Meeting Signatory Requirements of 40 CFR 403.12(1)

A. Do you provide treat[illegible] for your wastewater?		Yes	No

B. If yes, list and describe each treatment unit and attach a line schematic of the treatment system indicating each treatment unit and a water balance.

INITIAL TREATMENT OCCURS AS SEPARATION IN SETTLING TANK. THE SUBSEQUENT SERIES OF TREATMENT INCLUDES FLOCCULATION, GRAVITY SEPARATION AND BIOLOGICAL TREATMENT. A SCHEMATIC OF THE PROCESS FOLLOWS. A SCHEMATIC IS ATTACHED.

19. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in item 17 performed by a contract laboratory or consulting firm?

☐ YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

☐ NO (go to item 20)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED
Argus Analytical, Inc.	235 Highpoint Drive Ridgeland, MS 39157	(662) 957-2676	PRETREATMENT REQUIREMENTS LISTED ON FORM 2-P. CORRESPONDING ANALYTICAL RESULTS ARE ATTACHED.

20. I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true and correct.

LESLIE S. HYDE	Vice President, Safety & Environmental Affairs
Printed Name of Applicant's Authorized Agent Title and/or Individual Meeting Signatory Requirements of 40 CFR 403.12(l)	Title
3/3/06	[signature]
Date Application Signed	Signature of Authorized Agent and/or Individual Meeting Signatory Requirement of 40 CFR 403.12(l)