bp

BP Products North America Inc.
2815 Indianapolis Blvd.
P.O. Box 710
Whiting, IN 46394-0710
USA

October 21, 2013

DELIVERED VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Indiana Department of Environmental Management
OWQ Data Management Section (Mail Code 65-42)
100 North Senate Avenue
Indianapolis, IN 46204-2251

Re: DMR and MMR for Outfalls 002, 003, 004, & 005
NPDES Permit No. 0000108

Please find enclosed the effluent quality data in the Discharge Monitoring Report (DMR) form and the Monthly Monitoring Report (MMR) form from the BP Products North America Inc. - Whiting Business Unit ("Whiting Refinery") for the month of September 2013.

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 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.

If you have any questions or need any additional information, please contact Tim Chen at (219) 473-1286.

Sincerely,

Nick Spencer
Business Unit Leader
Whiting Business Unit

Cc: N. Ream, Merrillville, IN

Attachments: DMR Report
MMR Report

Bcc (scanned reports delivered via email)

R.L. Richards, ENVIRON Arlington, VA, rrichards@environcorp.com
J.P. Morrison
R. Solan
Orok Duke
D. Moye
B.L. Cook
P.J Peterson
M.F. Osadjan, Warrenville, IL

Bcc (e-MMR delivered via email)

Jackie Backus, ENVIRON, jbackus@environcorp.com
Kerry Mierau, ENVIRON, kmierau@environcorp.com

e-MMR file path: I:\Environmental\Plant Docs\4 - Water\4G\4G01\DMR\2013\9-September 2013\WQR0913.xls

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO IN0000108 OUTFALL 002 Sep-13 SEP COOLING WATER EFFLUENT

PARAMETER	FLOW	IN-TEMP	OUT-TEMP	HEAT	pH	OUT-OIL	IN-TOC	OUT-TOC	DELTA-TOC	RESID-CL		IN-TEMP	OUT-TEMP
CODE	50050	00011	00011	00179	00400	00552	00680	00680	00680	50060		00011	00011
SAMPLE TYPE													
PERMIT	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB		CONT	CONT
ACTUAL	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB		CONT	CONT
FREQUENCY													
PERMIT	CONT	5/7	5/7	5/7	3/7	1/MO	1/YR	1/YR	1/YR	1/7		5/7	5/7
ACTUAL	CONT	CONT	CONT	CONT	3/7	1/MO	1/YR	1/YR	1/YR	1/7		CONT	CONT
LIMITS: AVG.				1.70							20		
MAX.				2.00	6.0-9.0				5	.06	60		
DATE	MG/D	DEG C	DEG C	GBTU/HR	SU	mg/l	mg/l	mg/l	mg/l	mg/l	LB/D	DEG F	DEG F
1	72.0	22	40	0.810	--------	--------	--------	--------	--------	--------	--------	71.6	104.0
2	72.3	23	39	0.723	8.1	--------	--------	--------	--------	--------	--------	73.4	102.2
3	72.3	23	40	0.768	--------	--------	--------	--------	--------	--------	--------	73.4	104.0
4	72.7	23	40	0.772	8.3	--------	--------	--------	--------	--------	--------	73.4	104.0
5	72.4	23	40	0.769	--------	--------	--------	--------	--------	0	0	73.4	104.0
6	72.0	23	39	0.720	8.0	--------	--------	--------	--------	--------	--------	73.4	102.2
7	73.6	22	39	0.782	--------	--------	--------	--------	--------	--------	--------	71.6	102.2
8	73.2	23	39	0.732	--------	--------	--------	--------	--------	--------	--------	73.4	102.2
9	73.4	23	39	0.734	7.4	--------	--------	--------	--------	--------	--------	73.4	102.2
10	73.8	23	39	0.738	--------	--------	--------	--------	--------	--------	--------	73.4	102.2
11	73.2	23	38	0.686	8.3	0.4*	--------	--------	--------	--------	--------	73.4	100.4
12	73.2	23	38	0.686	--------	--------	--------	--------	--------	0	0	73.4	100.4
13	73.3	22	38	0.733	8.3	--------	--------	--------	--------	--------	--------	71.6	100.4
14	73.4	21	38	0.780	--------	--------	--------	--------	--------	--------	--------	69.8	100.4
15	73.6	21	37	0.736	--------	--------	--------	--------	--------	--------	--------	69.8	98.6
16	73.9	20	37	0.785	8.1	--------	--------	--------	--------	--------	--------	68.0	98.6
17	74.3	20	36	0.743	--------	--------	--------	--------	--------	--------	--------	68.0	96.8
18	73.7	20	36	0.737	7.9	--------	--------	--------	--------	--------	--------	68.0	96.8
19	73.9	21	37	0.739	--------	--------	--------	--------	--------	0	0	69.8	98.6
20	73.9	21	38	0.785	8.1	--------	--------	--------	--------	--------	--------	69.8	100.4
21	74.1	20	37	0.787	--------	--------	--------	--------	--------	--------	--------	68.0	98.6
22	74.2	20	36	0.742	--------	--------	--------	--------	--------	--------	--------	68.0	96.8
23	74.4	20	36	0.744	8.1	--------	--------	--------	--------	--------	--------	68.0	96.8
24	74.3	20	36	0.743	--------	--------	--------	--------	--------	--------	--------	68.0	96.8
25	77.0	19	36	0.818	8.1	--------	--------	--------	--------	--------	--------	66.2	96.8
26	79.1	20	37	0.840	--------	--------	--------	--------	--------	0	0	68.0	98.6
27	72.4	20	37	0.769	8.2	--------	--------	--------	--------	--------	--------	68.0	98.6
28	75.1	20	37	0.798	--------	--------	--------	--------	--------	--------	--------	68.0	98.6
29	75.0	20	37	0.797	--------	--------	--------	--------	--------	--------	--------	68.0	98.6
30	74.3	19	37	0.836	8.4	--------	--------	--------	--------	--------	--------	66.2	98.6
31	--------	--------	--------		--------	--------	--------	--------	--------	--------	--------	--------	--------
AVERAGE	73.8	21	38	0.761	8.1	0.4*	--------	--------	--------	0	0	70.3	100.0
HIGHEST VAL.	79.1	23	40	0.840	8.4	0.4*	--------	--------	--------	0	0	73.4	104.0
LOWEST VAL.	72.0	19	36	0.686	7.4	0.4*	--------	--------	--------	0	0	66.2	96.8
OVER LIMIT	0	0	0	0	0	0				0	0	0	0
TOTAL	2214.0												

CERTIFIED OPERATOR Barry L. Cook 10/19/13 NO. 14407 Exp. 6/30/2013 Tel. 219-473-5298

--MEANS NOT TESTED THIS DATE

* Note: Not Quantifiable

DATE : 10/28/13 AUTHORIZED AGENT : N. P.

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000108 Sep-13 SEP STORM WATER RUNOFF

- - - -OUTFALL 003- - -

*** NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER		pH	OIL	TOC	FLOW
CODE:		00400	00552	00680	50050
LIMITS:	MAX.	6-9	15	110	
DATE		SU	mg/l	mg/l	MG/D
	1	--------	--------	--------	0.200
	2	7.3	<0.3	13	0.035
	3	--------	--------	--------	0.000
	4	--------	--------	--------	0.106
	5	--------	--------	--------	0.023
	6	--------	--------	--------	0.040
	7	--------	--------	--------	0.003
	8	--------	--------	--------	0.000
	9	7.6	0.5*	20	0.002
	10	--------	--------	--------	0.001
	11	--------	--------	--------	0.055
	12	--------	--------	--------	0.000
	13	--------	--------	--------	0.000
	14	--------	--------	--------	0.000
	15	--------	--------	--------	0.000
	16	7.6	<0.3	21	0.000
	17	--------	--------	--------	0.000
	18	--------	--------	--------	0.192
	19	--------	--------	--------	0.541
	20	--------	--------	--------	0.260
	21	--------	--------	--------	0.241
	22	--------	--------	--------	0.000
	23	7.3	<0.3	9	0.151
	24	--------	--------	--------	0.117
	25	--------	--------	--------	0.080
	26	--------	--------	--------	0.051
	27	--------	--------	--------	0.000
	28	--------	--------	--------	0.087
	29	--------	--------	--------	0.000
	30	7.7	0.4*	18	0.070
	31	--------	--------	--------	
AVERAGE		7.5	<0.4*	16	0.075
HIGHEST VAL.		7.7	0.5*	21	0.541
LOWEST VAL.		7.3	<0.3	9	0.000
OVER LIMIT		0	0	0	0

CERTIFIED OPERATOR : Barry L. Cook 10/19/13 NO. 14407 DATE : 10/28/13 AUTHORIZED AGENT :
--MEANS NOT TESTED THIS DATE Exp. 6/30/2013 N. D.
* Note: Not Quantifiable Tel. 219-473-5298

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000108 Sep-13 SEP STORM WATER RUNOFF

- - - -OUTFALL 004- - - -

*** NOTE: TO BE SAMPLED AFTER EACH RAIN EVENT IF DISCHARGE OCCURS - ONCE PER WEEK

PARAMETER		pH	OIL	TOC	FLOW
CODE:		00400	00552	00680	50050
LIMITS:	MAX.	6-9	15	110	
DATE		SU	mg/l	mg/l	MG/D
	1	--------	--------	--------	0.006
	2	7.4	0.3*	12	0.034
	3	--------	--------	--------	0.139
	4	--------	--------	--------	0.144
	5	--------	--------	--------	0.000
	6	--------	--------	--------	0.000
	7	--------	--------	--------	0.000
	8	--------	--------	--------	0.000
	9	7.5	0.4*	16	0.001
	10	--------	--------	--------	0.001
	11	--------	--------	--------	0.000
	12	--------	--------	--------	0.000
	13	--------	--------	--------	0.000
	14	--------	--------	--------	0.000
	15	--------	--------	--------	0.000
	16	7.4	<0.3	20	0.000
	17	--------	--------	--------	0.000
	18	--------	--------	--------	0.000
	19	--------	--------	--------	0.333
	20	--------	--------	--------	0.249
	21	--------	--------	--------	0.425
	22	--------	--------	--------	0.000
	23	7.5	<0.3	13	0.133
	24	--------	--------	--------	0.160
	25	--------	--------	--------	0.235
	26	--------	--------	--------	0.179
	27	--------	--------	--------	0.001
	28	--------	--------	--------	0.360
	29	--------	--------	--------	0.001
	30	8.0	0.6*	18	0.001
	31	--------	--------	--------	
AVERAGE		7.6	0.4*	16	0.080
HIGHEST VAL.		8.0	0.6*	20	0.425
LOWEST VAL.		7.4	<0.3	12	0.000
OVER LIMIT		0	0	0	0

CERTIFIED OPERATOR: Barry E. Cook 10/19/13 NO. 14407 DATE: 10/28/13 AUTHORIZED AGENT:
--MEANS NOT TESTED THIS DATE Exp. 6/30/2013
* Note: Not Quantifiable Tel. 219-473-5298

BP PRODUCTS NORTH AMERICA Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO IN0000108 OUTFALL 005 Sep-13 SEP PROCESS WATER EFFLUENT

PARAMETER	FLOW	BOD		COD		pH	TSS		OIL		NH3-N		SULFIDE	
CODE	50050	00310		81017		00400	00530		00552		00610		00745	
SAMPLE TYPE														
PERMIT	CONT	24		24		GRAB	24		GRAB		24		24	
ACTUAL	CONT	24		24		GRAB	24		GRAB		24		24	
FREQUENCY														
PERMIT	CONT	1/7		1/7		3/7	2/7		1/7		5/7		1/7	
ACTUAL	CONT	1/7		1/7		3/7	2/7		1/7		5/7		1/7	
LIMITS: AVG			4161		30323			4925		1368		1584		23.1
MAX			8164		58427	6.0-9.0		7723		2600		3572		51.4
DATE	MG/D	mg/l	LB/D	mg/l	LB/D	SU	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D
1	16.1	--------	--------	--------	--------	--------	--------	--------	--------	--------	<0.10	<13	--------	--------
2	16.0	--------	--------	--------	--------	7.8	1.0	133	--------	--------	<0.10	<13	0.01	1.3
3	16.1	--------	--------	17	2283	--------	--------	--------	--------	--------	<0.10	<13	--------	--------
4	15.5	0.8	103	--------	--------	7.7	--------	--------	0.6*	78	<0.10	<13	--------	--------
5	17.0	--------	--------	--------	--------	--------	2.2	312	--------	--------	<0.10	<14	--------	--------
6	16.0	--------	--------	--------	--------	7.6	--------	--------	--------	--------	--------	--------	--------	--------
7	15.5	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
8	14.3	--------	--------	--------	--------	--------	--------	--------	--------	--------	0.41	49	--------	--------
9	16.0	--------	--------	--------	--------	7.7	3.0	400	--------	--------	<0.10	<13	0.02	2.7
10	15.0	--------	--------	28	3503	--------	--------	--------	--------	--------	0.13	16	--------	--------
11	19.7	0.6	99	--------	--------	7.8	--------	--------	0.7	115	<0.10	<16	--------	--------
12	16.0	--------	--------	--------	--------	--------	5.6	747	--------	--------	<0.10	<13	--------	--------
13	17.5	--------	--------	--------	--------	7.9	--------	--------	--------	--------	--------	--------	--------	--------
14	16.9	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
15	16.8	--------	--------	--------	--------	--------	--------	--------	--------	--------	<0.10	<14	--------	--------
16	15.7	--------	--------	--------	--------	7.6	2.0	262	--------	--------	<0.10	<13	0.01	1.3
17	16.4	--------	--------	40	5471	--------	--------	--------	--------	--------	<0.10	<14	--------	--------
18	16.9	0.2	28	--------	--------	7.5	--------	--------	0.3*	42	<0.10	<14	--------	--------
19	27.8	--------	--------	--------	--------	--------	2.2	510	--------	--------	<0.10	<23	--------	--------
20	19.2	--------	--------	--------	--------	7.5	--------	--------	--------	--------	--------	--------	--------	--------
21	18.0	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
22	15.6	--------	--------	--------	--------	--------	--------	--------	--------	--------	<0.10	<13	--------	--------
23	16.8	--------	--------	--------	--------	8.0	1.0	140	--------	--------	<0.10	<14	0.01	1.4
24	17.0	--------	--------	26	3686	--------	--------	--------	--------	--------	<0.10	<14	--------	--------
25	16.5	0.3	41	--------	--------	7.8	--------	--------	0.3*	41	<0.10	<14	--------	--------
26	17.1	--------	--------	--------	--------	--------	1.0	143	--------	--------	<0.10	<14	--------	--------
27	15.5	--------	--------	--------	--------	7.9	--------	--------	--------	--------	--------	--------	--------	--------
28	16.5	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
29	16.3	--------	--------	--------	--------	--------	--------	--------	--------	--------	<0.10	<14	--------	--------
30	15.5	--------	--------	--------	--------	7.9	1.2	155	--------	--------	<0.10	<13	0.01	1.3
31	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
AVERAGE	16.8	0.5	68	28	3736	7.7	2.1	311	0.5*	69	<0.11	<16	0.01	1.6
HIGHEST VAL.	27.8	0.8	103	40	5471	8.0	5.6	747	0.7	115	0.41	49	0.02	2.7
LOWEST VAL.	14.3	0.2	28	17	2283	7.5	1.0	133	0.3*	41	<0.10	<13	0.01	1.3
OVER LIMIT		0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	505.2													

CERTIFIED OPERATOR : Barry E Cook 10/19/13 NO. 14407 DATE : 10/28/13 AUTHORIZED AGENT : N. D

-- MEANS NOT TESTED THIS DATE Exp. 6/30/2013

* Note: Not Quantifiable Tel. 219-473-5298

BP PRODUCTS NORTH AMERICA, Inc., WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO IN0000108 OUTFALL 005 Sep-13 SEP PROCESS WATER EFFLUENT

PARAMETER	HX. CHRM	TL.CHRM	PHENOL	VANADIUM	ORTHO-P	MERCURY
CODE	01220	01034/01118	32730	01128	00665	71901
SAMPLE TYPE						
PERMIT	GRAB	24	24	24	24	GRAB
ACTUAL	GRAB	24	24	24	24	GRAB
FREQUENCY						
PERMIT	1/7	1/7	1/7	1/MO	1/7	6/YR
ACTUAL	1/7	1/7	1/7	1/MO	1/7	6/YR

LIMITS:	AVG.	2.01		23.90		20.33						
	MAX.	4.48		68.53		73.01			1			
DATE	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	ng/L	LB/D
1	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
2	--------	--------	--------	--------	<0.01	<1.33	--------	--------	--------	--------	--------	--------
3	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
4	<0.005	<0.6	<0.01	<1.3	--------	--------	--------	--------	--------	--------	<0.511	0.000066
5	--------	--------	--------	--------	--------	--------	--------	--------	0.06	8.5	--------	--------
6	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
7	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
8	--------	--------	--------	--------	--------	--------	0.020	2.4	--------	--------	--------	--------
9	--------	--------	--------	--------	<0.01	<1.33	--------	--------	--------	--------	--------	--------
10	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
11	<0.005	<0.8	<0.01	<1.6	--------	--------	--------	--------	--------	--------	--------	--------
12	--------	--------	--------	--------	--------	--------	--------	--------	0.10	13.3	--------	--------
13	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	<0.500	0.000073
14	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
15	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
16	--------	--------	--------	--------	<0.01	<1.31	--------	--------	--------	--------	--------	--------
17	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
18	<0.005	<0.7	<0.01	<1.4	--------	--------	--------	--------	--------	--------	--------	--------
19	--------	--------	--------	--------	--------	--------	--------	--------	0.01	2.3	--------	--------
20	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
21	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
22	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
23	--------	--------	--------	--------	<0.01	<1.40	--------	--------	--------	--------	--------	--------
24	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
25	<0.005	<0.7	<0.01	<1.4	--------	--------	--------	--------	--------	--------	--------	--------
26	--------	--------	--------	--------	--------	--------	--------	--------	0.18	25.7	--------	--------
27	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
28	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
29	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
30	--------	--------	--------	--------	<0.01	<1.29	--------	--------	--------	--------	--------	--------
31	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
AVERAGE	<0.005	<0.7	<0.01	<1.4	<0.01	<1.33	0.020	2.4	0.09	12.5	<0.506	0.000071
HIGHEST VAL.	<0.005	<0.8	<0.01	<1.6	<0.01	<1.40	0.020	2.4	0.18	25.7	<0.511	0.000066
LOWEST VAL.	<0.005	<0.6	<0.01	<1.3	<0.01	<1.29	0.020	2.4	0.01	2.3	<0.500	0.000073
OVER LIMIT	0	0	0	0	0	0	0	0	0	0	0	0

CERTIFIED OPERATOR : Barry L. Cook 10/19/13 NO. 14407 DATE : 10/28/13 AUTHORIZED AGENT : N.D.

-- MEANS NOT TESTED THIS DATE

Exp. 6/30/2013

Tel. 219-473-5298

PERMITTEE NAME/ADDRESS

NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY - MAIL CODE 062
2815 INDIANAPOLIS BLVD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC
LOCATION WHITING IN
ATTN: DANIEL SAJKOWSKI, PLT MANAGER

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

Form Approved
OMB No. 2040-004
Approval Expires 05-31-98

Revised: ☐

PERMIT NUMBER	PERMITTED FEATURE
IN0000108	002 A

MONITORING PERIOD

	MO	DAY	YEAR		MO	DAY	YEAR
FROM	09/01/2013			TO	09/31/2013		

IN0000108002A8201 2

For any questions call Gary Starks at 317-232-8694

*** Mark box if NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING Average	Maximum	Units	QUALITY OR CONCENTRATION Minimum	Average	Maximum	Units	NO. EX	Frequency of Analysis	Sample Type
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT	******	******		******	100.0	104.0	deg F	0	DAILY	CONTIN
00011 1 0 0 Effluent Gross	PERMIT REQUIREMENT					Report MO AVG	Report DAILY MX			Five Per Week	CONTIN
Temperature, water deg. fahrenheit	SAMPLE MEASUREMENT	******	******		******	70.3	73.4	deg F	0	DAILY	CONTIN
00011 7 0 0 Intake from Stream	PERMIT REQUIREMENT					Report MO AVG	Report DAILY MX			Five Per Week	CONTIN
Waste heat rejection rate	SAMPLE MEASUREMENT	761	840	MBTU /hr	******	******	******		0	DAILY	CONTIN
00179 2 0 0 Effluent Net	PERMIT REQUIREMENT	1700 MO AVG	2000 MX DA AV							Five Per Week	CONTIN
pH	SAMPLE MEASUREMENT	******	******		7.4	******	8.4	SU	0	3/WEEK	GRAB
00400 1 0 0 Effluent Gross	PERMIT REQUIREMENT				6 DAILY MN		9 DAILY MX			Three Per Week	GRAB
Oil and grease, hexane extr method	SAMPLE MEASUREMENT	******	******		******	0.4*	0.4*	mg/L	0	MONTHLY	GRAB
00552 1 0 0 Effluent Gross	PERMIT REQUIREMENT					Report MO AVG	5 DAILY MX			Monthly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	73.8	79.1	MGD	******	******	******		0	DAILU	TOTALZ
50050 1 0 0 Effluent Gross	PERMIT REQUIREMENT	Report MO AVG	Report DAILY MX							Daily	TOTALZ
Chlorine, total residual	SAMPLE MEASUREMENT	0	0	lb/d	******	0	0	mg/L	0	WEEKLY	GRAB
50060 1 0 0 Effluent Gross	PERMIT REQUIREMENT	20 MO AVG	60 DAILY MX			.06 MO AVG	.06 DAILY MX			Weekly	GRAB

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NAME AND TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
Nick Spencer, Business Unit Leader	N.D.S.	219 473-3149	10	28	13
TYPED OR PRINTED	SIGNATURE	AREA CODE AND NO.	MO	DAY	YEAR

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

INDUSTRIAL MAJOR WHITING, LAKE COUNTY

EPA FORM 3320-1(03-99) Revised by Indiana (June 2007) (Replaces EPA FORM T-40 WHICH MAY NOT BE USED - Mail Forms To IDEM (No Photo Copies)

* Not Quantifiable

PERMITTEE NAME/ADDRESS

NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY - MAIL CODE 062
2815 INDIANAPOLIS BLVD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC
LOCATION WHITING IN
ATTN: DANIEL SAJKOWSKI, PLT MANAGER

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

Revised: ☐

IN0000108	002 A
PERMIT NUMBER	PERMITTED FEATURE

MONITORING PERIOD

	MO	DAY	YEAR		MO	DAY	YEAR
FROM	09/01/2013			TO	09/31/2013		

Form Approved
OMB No. 2040-004
Approval Expires 05-31-98

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For any questions call Gary Starks at 317-232-8694

*** Mark box if NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	Frequency of Analysis	Sample Type
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Flow, total	SAMPLE MEASUREMENT	******	2214.0	Mgal/mo	******	******	******		0	MONTHLY	RCOTOT
82220 1 0 0 Effluent Gross	PERMIT REQUIREMENT		Report MO TOTAL							Monthly	RCOTOT

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	Nick Spencer, Business Unit Leader	N. Spencer	219 473-3149	10	28	13
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INDUSTRIAL MAJOR WHITING, LAKE COUNTY

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FACILITY BP PRODUCTS NORTH AMERICA INC
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-004
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PERMIT NUMBER	PERMITTED FEATURE
IN0000108	003 A

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		Average	Maximum	Units	Minimum	Average	Maximum	Units			
pH	SAMPLE MEASUREMENT	******	******		7.3	******	7.7	SU	0	WEEKLY	GRAB
00400 1 0 0 Effluent Gross	PERMIT REQUIREMENT				6 DAILY MN		9 DAILY MX			Weekly	GRAB
Oil and grease, hexane extr method	SAMPLE MEASUREMENT	******	******		******	<0.4*	0.5*	mg/L	0	WEEKLY	GRAB
00552 1 0 0 Effluent Gross	PERMIT REQUIREMENT					Report MO AVG	15 DAILY MX			Weekly	GRAB
Carbon, tot organic (TOC)	SAMPLE MEASUREMENT	******	******		******	16	21	mg/L	0	WEEKLY	GRAB
00680 1 0 0 Effluent Gross	PERMIT REQUIREMENT					Report MO AVG	110 DAILY MX			Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.075	0.541	MGD	******	******	******		0	DAILY	TOTALZ
50050 1 0 0 Effluent Gross	PERMIT REQUIREMENT	Report MO AVG	Report DAILY MX							Daily	TOTALZ

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INDUSTRIAL MAJOR WHITING, LAKE COUNTY

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LOCATION WHITING IN
ATTN: DANIEL SAJKOWSKI, PLT MANAGER

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

Form Approved
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For any questions call Gary Starks at 317-232-8694

Revised: ☐

PERMIT NUMBER	PERMITTED FEATURE
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		Average	Maximum	Units	Minimum	Average	Maximum	Units			
pH	SAMPLE MEASUREMENT	******	******		7.4	******	8.0	SU	0	WEEKLY	GRAB
00400 1 0 0 Effluent Gross	PERMIT REQUIREMENT				6 DAILY MN		9 DAILY MX			Weekly	GRAB
Oil and grease, hexane extr method	SAMPLE MEASUREMENT	******	******		******	0.4*	0.6*	mg/L	0	WEEKLY	GRAB
00552 1 0 0 Effluent Gross	PERMIT REQUIREMENT					Report MO AVG	15 DAILY MX			Weekly	GRAB
Carbon, tot organic (TOC)	SAMPLE MEASUREMENT	******	******		******	16	20	mg/L	0	WEEKLY	GRAB
00680 1 0 0 Effluent Gross	PERMIT REQUIREMENT					Report MO AVG	110 DAILY MX			Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.08	0.425	MGD	******	******	******		0	DAILY	TOTALZ
50050 1 0 0 Effluent Gross	PERMIT REQUIREMENT	Report MO AVG	Report DAILY MX							Daily	TOTALZ

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INDUSTRIAL MAJOR WHITING, LAKE COUNTY

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FACILITY BP PRODUCTS NORTH AMERICA INC
LOCATION WHITING IN
ATTN: DANIEL SAJKOWSKI, PLT MANAGER

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

Revised: ☐

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IN0000108005A82012

For any questions call Gary Starks at 317-232-8694

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PARAMETER		QUANTITY OR LOADING Average	Maximum	Units	QUALITY OR CONCENTRATION Minimum	Average	Maximum	Units	NO. EX	Frequency of Analysis	Sample Type
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	68	103	lb/d	******	0.5	0.8	mg/L	0	WEEKLY	COMP24
00310 1 0 0 Effluent Gross	PERMIT REQUIREMENT	4161 MO AVG	8164 DAILY MX			Report MO AVG	Report DAILY MX			Weekly	COMP24
pH	SAMPLE MEASUREMENT	******	******		7.5	******	8.0	SU	0	3/WEEK	GRAB
00400 1 0 0 Effluent Gross	PERMIT REQUIREMENT				6 DAILY MN		9 DAILY MX			Three Per Week	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	311	747	lb/d	******	2.1	5.6	mg/L	0	2/WEEK	COMP24
00530 1 0 0 Effluent Gross	PERMIT REQUIREMENT	4925 MO AVG	7723 DAILY MX			Report MO AVG	Report DAILY MX			Twice Every Week	COMP24
Oil and grease, hexane extr method	SAMPLE MEASUREMENT	69	115	lb/d	******	0.5*	0.7	mg/L	0	WEEKLY	GRAB
00552 1 0 0 Effluent Gross	PERMIT REQUIREMENT	1368 MO AVG	2600 DAILY MX			Report MO AVG	Report DAILY MX			Weekly	GRAB
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	<16	49	lb/d	******	<0.11	0.41	mg/L	0	5/WEEK	COMP24
00610 1 0 0 Effluent Gross	PERMIT REQUIREMENT	1584 MO AVG	3572 DAILY MX			Report MO AVG	Report DAILY MX			Five Per Week	COMP24
Phosphorus, total (as P)	SAMPLE MEASUREMENT	12.5	25.7	lb/d	******	0.09	0.18	mg/L	0	WEEKLY	COMP24
00665 1 0 0 Effluent Gross	PERMIT REQUIREMENT	Report MO AVG	Report DAILY MX			Report MO AVG	1 DAILY MX			Weekly	COMP24
Sulfide, total (as S)	SAMPLE MEASUREMENT	1.6	2.7	lb/d	******	0.01	0.02	mg/L	0	WEEKLY	COMP24
00745 1 0 0 Effluent Gross	PERMIT REQUIREMENT	23.1 MO AVG	51.4 DAILY MX			Report MO AVG	Report DAILY MX			Weekly	COMP24

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Nick Spencer, Business Unit Leader	N.D.S	219 473-3149	10	28	13
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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	Frequency of Analysis	Sample Type
		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Chromium, total (as Cr)	SAMPLE MEASUREMENT	<1.4	<1.6	lb/d	******	<0.01	<0.01	mg/L	0	WEEKLY	COMP24
01034 1 0 0 Effluent Gross	PERMIT REQUIREMENT	23.9 MO AVG	68.53 DAILY MX			Report MO AVG	Report DAILY MX			Weekly	COMP24
Vanadium, total recoverable	SAMPLE MEASUREMENT	2.4	2.4	lb/d	******	0.02	0.02	mg/L	0	MONTHLY	COMP24
01128 1 0 0 Effluent Gross	PERMIT REQUIREMENT	50 MO AVG	100 DAILY MX			.28 MO AVG	.56 DAILY MX			Monthly	COMP24
Chromium, hexavalent dissolved (as Cr)	SAMPLE MEASUREMENT	<0.7	<0.8	lb/d	******	<0.005	<0.005	mg/L	0	WEEKLY	GRAB
01220 1 0 0 Effluent Gross	PERMIT REQUIREMENT	2.01 MO AVG	4.48 DAILY MX			Report MO AVG	Report DAILY MX			Weekly	GRAB
Phenolics, total recoverable	SAMPLE MEASUREMENT	<1.33	<1.40	lb/d	******	<0.01	<0.01	mg/L	0	WEEKLY	COMP24
32730 1 0 0 Effluent Gross	PERMIT REQUIREMENT	20.33 MO AVG	73.01 DAILY MX			Report MO AVG	Report DAILY MX			Weekly	COMP24
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	16.8	27.8	MGD	******	******	******		0	DAILY	TOTALZ
50050 1 0 0 Effluent Gross	PERMIT REQUIREMENT	Report MO AVG	Report DAILY MX							Daily	TOTALZ
Mercury, total recoverable	SAMPLE MEASUREMENT	******	******		******	<2.27	<0.511	ng/L	0	2/MONTH	GRAB
71901 1 0 1 Effluent Gross	PERMIT REQUIREMENT					23.1 ANNL AVG	Report DAILY MX			Six Per Year	GRAB
Chemical Oxygen Demand (COD)	SAMPLE MEASUREMENT	3736	5471	lb/d	******	28	40	mg/L	0	WEEKLY	COMP24
81017 1 0 0 Effluent Gross	PERMIT REQUIREMENT	30323 MO AVG	58427 DAILY MX			Report MO AVG	Report DAILY MX			Weekly	COMP24

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Nick Spencer, Business Unit Leader	N. Spencer	219 473-3149	10	28	13
TYPED OR PRINTED	SIGNATURE	AREA CODE AND NO.	MO	DAY	YEAR

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INDUSTRIAL MAJOR LAKE COUNTY

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		Average	Maximum	Units	Minimum	Average	Maximum	Units			
Flow, total	SAMPLE MEASUREMENT	******	505.2	Mgal/mo	******	******	******		0	MONTHLY	RCOTOT
82220 1 0 0 Effluent Gross	PERMIT REQUIREMENT		Report MO TOTAL							Monthly	RCOTOT

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