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

PERMIT NO IN0000108 OUTFALL 002 Dec-04 DEC COOLING WATER EFFLUENT

PARAMETER	FLOW	IN-TEMP	OUT-TEMP	HEAT	pH	IN-OIL	OUT-OIL	DELTA OIL	IN-TOC	OUT-TOC	DELTA-TOC	RESID-CL
CODE	Q50050		C00010	C99003	C00400		C00550		C99680	C00680		
SAMPLE TYPE												
PERMIT	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
ACTUAL	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FREQUENCY												
PERMIT	CONT	5/7	5/7	5/7	3/7	3/7	3/7	3/7	5/7	5/7	5/7	1/7
ACTUAL	CONT	CONT	CONT	CONT	3/7	3/7	3/7	5/7	5/7	5/7	5/7	1/7
LIMITS: AVG.				1.70								
MAX.				2.00	7-9			5			5	.05
DATE	MG/D	DEG C	DEG C	GBTU/HR	pH	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
1	89.7	7	25	1.009	8.2	<0.3	<0.3	<0.3	2	2	0	<0.05
2	91.2	6	24	1.026	—	—	—	—	2	2	0	—
3	88.2	6	24	0.992	8.2	<0.3	<0.3	<0.3	2	2	0	—
4	88.2	5	24	1.047	—	—	—	—	—	—	—	—
5	86.0	6	25	1.021	—	—	—	—	—	—	—	—
6	87.8	7	25	0.987	8.2	<0.3	0.3	0.3	2	3	1	—
7	88.8	7	24	0.943	—	—	—	—	2	3	1	—
8	89.7	6	24	1.009	8.1	<0.3	<0.3	<0.3	2	2	1	<0.05
9	89.6	7	24	0.952	—	—	—	—	2	2	1	—
10	88.0	7	24	0.935	8.1	<0.3	<0.3	<0.3	2	2	1	—
11	89.8	6	24	1.010	—	—	—	—	—	—	—	—
12	89.3	6	23	0.948	—	—	—	—	—	—	—	—
13	89.5	5	22	0.951	8.2	<0.3	<0.3	<0.3	2	3	0	—
14	88.5	4	22	0.995	—	—	—	—	2	3	1	—
15	87.5	4	21	0.929	8.1	0.4	0.4	0.3	2	2	0	<0.05
16	88.4	5	23	0.994	—	—	—	—	2	3	1	—
17	87.2	5	22	0.926	8.0	<0.3	<0.3	<0.3	2	3	0	—
18	86.6	3	22	1.028	—	—	—	—	—	—	—	—
19	86.2	3	20	0.916	—	—	—	—	—	—	—	—
20	88.7	2	20	0.997	8.3	<0.3	0.3	0.3	2	3	1	—
21	77.7	1	19	0.874	—	—	—	—	2	3	0	—
22	88.8	1	20	1.054	8.2	<0.3	0.3	0.3	2	2	0	<0.05
23	86.3	<1	19	1.024	—	—	—	—	2	3	1	—
24	88.6	<1	19	1.052	7.9	<0.3	<0.3	<0.3	2	3	0	—
25	86.8	<1	19	1.030	—	—	—	—	—	—	—	—
26	86.5	<1	19	1.027	—	—	—	—	—	—	—	—
27	85.1	<1	19	1.010	8.4	<0.3	<0.3	<0.3	2	3	1	—
28	85.0	<1	19	1.009	—	—	—	—	2	2	0	—
29	85.2	1	19	0.958	8.3	<0.3	<0.3	<0.3	2	2	1	<0.05
30	85.0	1	19	0.956	—	—	—	—	2	3	1	—
31	83.8	1	20	0.995	8.0	<0.3	<0.3	<0.3	3	3	0	—
AVERAGE	87.3	<3	22	0.987	8.2	<0.3	<0.3	<0.3	2	2	0	<0.05
HIGHEST VAL.	91.2	7	25	1.054	8.4	0.4	0.4	0.3	3	3	1	<0.05
LOWEST VAL.	77.7	<1	19	0.874	7.9	<0.3	<0.3	<0.3	2	2	0	<0.05
OVER LIMIT	0			0	0			0			0	0
TOTAL	2707.7											

CERTIFIED OPERATOR : David J. Olen NO. 14118 exp. 6/30/06 tel.219-473-5298 DATE: 1-13-05 ENVIRONMENTAL ENGINEER :

–MEANS NOT TESTED THIS DATE

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

PERMIT NO. IN0000108 Dec-04 DEC STORM WATER RUNOFF

----OUTFALL 003----

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

PARAMETER		pH	OIL	TOC	
CODE:		C00400	C00550	C00680	
LIMITS:	MAX.	6-9	15	110	
DATA			mg/l	mg/l	
	1	--------	--------	--------	open
	2	--------	--------	--------	open
	3	--------	--------	--------	open
	4	--------	--------	--------	closed
	5	--------	--------	--------	closed
	6	--------	--------	--------	closed
	7	7.6	0.8	23	open
	8	--------	--------	--------	open
	9	--------	--------	--------	open
	10	--------	--------	--------	open
	11	--------	--------	--------	open
	12	--------	--------	--------	open
	13	--------	--------	--------	closed
	14	--------	--------	--------	closed
	15	--------	--------	--------	closed
	16	7.7	1.5	25	open
	17	--------	--------	--------	open
	18	--------	--------	--------	closed
	19	--------	--------	--------	closed
	20	--------	--------	--------	closed
	21	--------	--------	--------	closed
	22	--------	--------	--------	closed
	23	--------	--------	--------	closed
	24	--------	--------	--------	closed
	25	--------	--------	--------	closed
	26	--------	--------	--------	closed
	27	--------	--------	--------	closed
	28	--------	--------	--------	closed
	29	--------	--------	--------	closed
	30	--------	--------	--------	closed
	31	--------	--------	--------	closed
AVERAGE		7.7	1.2	24	
HIGHEST VAL.		7.7	1.5	25	
LOWEST VAL.		7.6	0.8	23	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen

NO. 14118
exp.06/30/06 tel. 219-473-5298

DATE : 1-13-05

ENVIRONMENTAL ENGINEER :

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

PERMIT NO. IN0000108 Dec-04 DEC STORM WATER RUNOFF

- - - -OUTFALL 004- - - -

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

PARAMETER		pH	OIL	TOC	
CODE:		C00400	C00550	C00680	
LIMITS:	MAX.	6-9	15	110	
DATA			mg/l	mg/l	
	1	--------	--------	--------	open
	2	--------	--------	--------	open
	3	--------	--------	--------	open
	4	--------	--------	--------	closed
	5	--------	--------	--------	closed
	6	--------	--------	--------	closed
	7	7.9	0.6	13	open
	8	--------	--------	--------	open
	9	--------	--------	--------	open
	10	--------	--------	--------	closed
	11	--------	--------	--------	closed
	12	--------	--------	--------	closed
	13	--------	--------	--------	closed
	14	7.9	1.0	17	open
	15	--------	--------	--------	open
	16	--------	--------	--------	open
	17	--------	--------	--------	closed
	18	--------	--------	--------	closed
	19	--------	--------	--------	closed
	20	--------	--------	--------	closed
	21	--------	--------	--------	closed
	22	--------	--------	--------	closed
	23	--------	--------	--------	closed
	24	--------	--------	--------	closed
	25	--------	--------	--------	closed
	26	--------	--------	--------	closed
	27	--------	--------	--------	closed
	28	--------	--------	--------	closed
	29	--------	--------	--------	closed
	30	--------	--------	--------	closed
	31	--------	--------	--------	closed
AVERAGE		7.9	0.8	15	
HIGHEST VAL.		7.9	1.0	17	
LOWEST VAL.		7.9	0.6	13	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen

NO. 14118
exp. 6/30/06 tel. 219-473-5298

DATE : 1-13-05

ENVIRONMENTAL ENGINEER :

NONCOMPLIANCE NOTIFICATION FAX FORM

Indiana Department of Environmental Management
Office of Water Quality

Instructions: Complete all parts of this form and fax it to the Office of Water Quality at (317) 232-8637 or 232-8406. This report will satisfy the telephone and written noncompliance notification requirements of your NPDES permit.

Noncompliance resulting in a fish kill or other severe environmental damage must be reported to the Office of Land Quality, Emergency Response Section at: (317) 233-7745 or toll-free within Indiana at (888) 233-7745.

Facility Name:	City or County:	Permit Number:
BP Products, NA	Whiting, IN Lake County	IN 0000108
Individual Reporting: Rose Herrera for Richard Harris	Phone Number: 219-473-3321	Report Date: 12/6/04 - Initial Phone Notice; 12/7/04 - phone update; 12/10/04 - Final written FAX
Noncompliance Date: 12/05/04	Outfall: 001	

Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):	Reported: Final
TSS	5694 Lbs Daily MAX	6,040
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):	Reported:
Parameter:	Limit (Units/Daily/Weekly/Ave/Max/Min):	Reported:

Reason for Noncompliance:

Exceeded TSS Daily MAX Loading Limit of 5,694 Lbs. Several Contributing Factors at the WWTP Lead to the upset. A third party Incident Investigation is underway.

Actions taken to prevent, minimize, or mitigate damage:

Actions Taken Immediately to mitigate Further Damage was to Initiate Watershed plan, reduce Process Water Flow rates, began water Recycling, wellpoints were shutdown, manual Filter backwash was initiated,

Actions taken to prevent reoccurrence:

A third party Incident Investigation is underway.

Signature: [signature] for Richard Harris

FAX

December 10, 2004

Mr. Greg Glover
Indiana Department of Environmental Management
Office of Water Management
100 North Senate
Indianapolis, IN 46206-6015

RE: NPDES Permit No. IN 0000108
Exceedance of Daily Maximum Limit for Total Suspended Solids at Outfall 001

Dear Mr. Glover:

This letter serves as our written follow-up to our initial phone notification on December 6 and 7, 2004, concerning the exceedance of the daily maximum limit for total suspended solids (TSS) at Outfall 001 on December 5, 2004. We became aware of the possible non-compliance at approximately 2:00 pm (CST) on December 6, 2004 when the initial composite sample analysis was completed. The initial analysis of the December 5 composite sample was 124.4 mg/l TSS.

In order to verify the above initial analytical result, subsequent internal lab analysis and third party analysis were completed on 12/7/04 and 12/9/04. When the additional analysis results were averaged with the original lab results it was verified that we had exceeded our daily maximum allowable loading rate of TSS at Outfall 001. The additional analysis was averaged with the original results from the composite sample of 12/05/04. The calculated average TSS result is now 80.5 mg/l, the calculated loading rate is estimated at 6,042 pounds, which is still above our NPDES, permit limit of 5,694 pounds TSS maximum daily load.

As a precautionary measure, BP began its water shedding plan, reduced the process water flow rates to the sewers, began water recycle, well point shutdown, performed manual backwash of the filter systems, and minimized flows to the lakefront. The watershed program is still in place as of this date and we will continue our watershed program as necessary. A third party investigation is currently being initiated to evaluate causes and actions needed to prevent re-occurrence.

Sincerely,

Ms. Rose Herrera
Acting Environmental Superintendent
BP Whiting Refinery

bp

Daniel J. Sajkowski
Business Unit Leader
Whiting Business Unit

BP Products North America Inc.
2815 Indianapolis Boulevard
Whiting, IN 46394-0710
USA

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

January 25, 2005

Indiana Department of Environmental Management
OWQ Data Management Section
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

NPDES Permit No. 0000108, outfalls 001, 002, 003, and 004

Direct 219 473 3179
Fax 219 473 3504
Mobile 219 545 5860
sajkowdj@bp.com

Please find the effluent quality data and Discharge Monitoring Report forms from the BP Products North America Inc. - Whiting Business Unit for the month of December 2004, are attached.

On December 5, 2004, the daily maximum limit for total suspended solids (TSS) at Outfall 001 was exceeded. This noncompliance was reported to the IDEM Office of Water Management on December 6, 2004 as required by our permit – see attached Notification Fax Form for dates of initial phone calls. A copy of the 5 day written follow-up documentation that was provided to Mr. Glover, dated December 10, 2004, is also attached. All other required monitoring parameters were in compliance with our permitted outfall limits during the month of December.

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 R. A. Harris at (219) 473-3321.

Sincerely,

Daniel J. Sajkowski /SWS
Daniel J. Sajkowski
Business Unit Leader

Attachments

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

NAME BP PRODUCTS NORTH AMERICA INC.

ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.

LOCATION WHITING

ATTN: ~~DENNIS J. SEITH~~ DANIEL J. SAJKOWSKI PLANT MANAGER

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

MAJOR
F - FINAL
EFFLUENT

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

IN0000108	001A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	MO	DAY	YEAR		MO	DAY	YEAR
FROM	11	01	04	TO	11	30	04

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	194	458	(26) LBS/DY	********	1.6	6.1	(19) MG/L	0	5 TIME /WEEK	COMP 24
	PERMIT REQUIREMENT	416 MO AVG	8164 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			5 TIMS WEEK	COMP24
OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD) 00335 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	5351	9207	(26) LBS/DY	********	46	105	(19) MG/L	0	THREE /WEEK	COMP 24
	PERMIT REQUIREMENT	30323 MO AVG	53427 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			THREE WEEK	COMP24
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********	********	7.5	********	7.8	(12) SU	0	THREE /WEEK	GRAB
	PERMIT REQUIREMENT	********	********		6.5 MINIMUM	********	9 MAXIMUM			THREE WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1801	3469	(26) LBS/DY	********	15.3	90.0	(19) MG/L	0	5 TIMES /WEEK	COMP 24
	PERMIT REQUIREMENT	3646 MO AVG	5694 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			5 TIMS WEEK	COMP24
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	106	280	(26) LBS/DY	********	0.9	2.1	(19) MG/L	0	WEEK-DAYS	GRAB
	PERMIT REQUIREMENT	1368 MO AVG	2600 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			WEEK DAYS	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<75	473	(26) LBS/DY	********	<0.63	3.61	(19) MG/L	0	5 TIMES /WEEK	COMP 24
	PERMIT REQUIREMENT	1030 MO AVG	2060 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			5 TIMS WEEK	COMP24
SULFIDE, TOTAL (AS S) 00745 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<0.3	1.4	(26) LBS/DY	********	<0.00	0.01	(19) MG/L	0	WEEKLY	COMP 24
	PERMIT REQUIREMENT	231 MO AVG	514 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			WEEKLY	COMP24

NAME/TITLE PRINCIPAL EXECUTVE OFFICER OR AUTHORIZED AGENT

Authorized Agent:
Daniel J. Sajkowski
Business Unit Leader

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 persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowlege and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	12	21	04
AREA CODE	NUMBER	MO	DAY	YEAR

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

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

INDUSTRIAL MAJOR, LAKE COUNTY

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

NAME BP PRODUCTS NORTH AMERICA INC.

ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.

LOCATION WHITING

ATTN: ~~DENNIS J. SEITH~~ DANIEL J. SAJKOWSKI
PLANT MANAGER

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

IN0000108	001A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	MO	DAY	YEAR		MO	DAY	YEAR
FROM	11	01	04	TO	11	30	04

MAJOR
F - FINAL
EFFLUENT

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

IN0000108001A1104

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CHROMIUM, HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<0.6	<0.7	(26) LBS/DY	********	<0.005	<0.005	(19) MG/L	0	WEEKLY	COMP 24
	PERMIT REQUIREMENT	2.01 MO AVG	4.43 DAILY MX			REPORT MO AVG	REPORT DAILY MX			WEEKLY	COMP24
CHROMIUM, TOTAL (AS CR) 01034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<1.1	<1.4	(26) LBS/DY	********	<0.01	<0.01	(19) MG/L	0	WEEKLY	COMP 24
	PERMIT REQUIREMENT	2.39 MO AVG	68.53 DAILY MX			REPORT MO AVG	REPORT DAILY MX			WEEKLY	COMP24
PHENOLICS, TOTAL RECOVERABLE 32730 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<1.17	<1.40	(26) LBS/DY	********	<0.01	<0.01	(19) MG/L	0	THREE /WEEK	COMP 24
	PERMIT REQUIREMENT	20.38 MO AVG	73.01 DAILY MX			REPORT MO AVG	REPORT DAILY MX			THREE/WEEK	COMP24
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	14.4	18.0	(03) MGD	********	********	********	********	0	DAILY	CONTIN
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX							DAILY	CONTIN
FLOW, TOTAL 82220 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	431.4	(3R) MGAL	********	********	********	********	0	ONCE/ MONTH	RCOTOT
	PERMIT REQUIREMENT		REPORT MO TOTAL							ONCE/ MONTH	RCOTOT
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTVE OFFICER OR AUTHORIZED AGENT

Authorized Agent:
Daniel J. Sajkowski
Business Unit Leader

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 persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowlege and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	12	21	04
AREA CODE	NUMBER	MO	DAY	YEAR

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

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

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

NAME BP PRODUCTS NORTH AMERICA INC.

ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.

LOCATION WHITING

ATTN: ~~DENNIS J. SEITH~~ DANIEL J. SAJKOWSKI
PLANT MANAGER

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

MAJOR
F - FINAL
EFFLUENT

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

IN0000108	002A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	MO	DAY	YEAR		MO	DAY	YEAR
FROM	11	01	04	TO	11	30	04

IN0000108002A1104

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********		********	28	31	(04)	0	5 TIMES /WEEK	CONTIN
	PERMIT REQUIREMENT			********		REPORT MO AVG	REPORT DAILY MX	DEG.C		5 TIMS/WEEK	CONTIN
TEMPERATURE, WATER DEG. CENTIGRADE 00010 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	********	********		********	11	16	(04)	0	5 TIMES /WEEK	CONTIN
	PERMIT REQUIREMENT			********		REPORT MO AVG	REPORT DAILY MX	DEG.C		5 TIMS/WEEK	CONTIN
WASTE HEAT REJECTION RATE 00179 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	915	1017	(05)	********	********	********		0	5 TIMES /WEEK	CONTIN
	PERMIT REQUIREMENT	1700 MO AVG	2000 MX DA AV	MBTU/ HR				********		5 TIMS/WEEK	CONTIN
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********		8.2	********	8.4	(12)	0	THREE /WEEK	GRAB
	PERMIT REQUIREMENT			********	7 MINIMUM		9 MAXIMUM	SU		THREE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********		********	<0.3	0.3	(19)	0	THREE /WEEK	GRAB
	PERMIT REQUIREMENT			********		REPORT MO AVG	30 DAILY MX	MG/L		THREE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC 00560 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	********	********		********	<0.3	0.3	(19)	0	THREE /WEEK	GRAB
	PERMIT REQUIREMENT			********		REPORT MO AVG	30 DAILY MX	MG/L		THREE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC 00560 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	********	********		********	<0.3	<0.3	(19)	0	THREE /WEEK	GRAB
	PERMIT REQUIREMENT			********		REPORT MO AVG	REPORT DAILY MX	MG/L		THREE/WEEK	GRAB

NAME/TITLE PRINCIPAL EXECUTVE OFFICER OR AUTHORIZED AGENT

Authorized Agent:
Daniel J. Sajkowski
Business Unit Leader

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 persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowlege and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	12	21	04
AREA CODE	NUMBER	MO	DAY	YEAR

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

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

INDUSTRIAL MAJOR, LAKE COUNTY

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

NAME BP PRODUCTS NORTH AMERICA INC.

ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.

LOCATION WHITING

ATTN: ~~DENNIS J. SEITH~~ DANIEL J. SAJKOWSKI
PLANT MANAGER

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

MAJOR
F - FINAL
EFFLUENT

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

IN0000108002A1104

IN0000108	002A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	MO	DAY	YEAR		MO	DAY	YEAR
FROM	11	01	04	TO	11	30	04

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
CARBON, TOT ORGANIC (TOC) 00680 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********	********	********	2	3	(19) MG/L	0	5 TIMES /WEEK	GRAB
	PERMIT REQUIREMENT					REPORT MO AVG	REPORT DAILY MX			5 TIMES/WEEK	GRAB
CARBON, TOT ORGANIC (TOC) 00680 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	********	********	********	********	0	1	(19) MG/L	0	5 TIMES /WEEK	GRAB
	PERMIT REQUIREMENT					REPORT MO AVG	50 DAILY MX			5 TIMES/WEEK	GRAB
CARBON, TOT ORGANIC (TOC) 00680 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	********	********	********	********	2	3	(19) MG/L	0	5 TIMES /WEEK	GRAB
	PERMIT REQUIREMENT					REPORT MO AVG	REPORT DAILY MX			5 TIMES/WEEK	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	88.3	92.3	(03) MGD	********	********	********	********	0	DAILY	CONTIN
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX							DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********	********	********	<0.05	<0.05	(19) MG/L	0	WEEKLY	GRAB
	PERMIT REQUIREMENT					REPORT MO AVG	0.05 DAILY MX			WEEKLY	GRAB
FLOW, TOTAL 82220 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	2648.2	(3R) MGAL	********	********	********	********	0	ONCE/ MONTH	RCOTOT
	PERMIT REQUIREMENT		REPORT MO TOTAL							ONCE/ MONTH	RCOTOT
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTVE OFFICER OR AUTHORIZED AGENT

Authorized Agent:
Daniel J. Sajkowski
Business Unit Leader

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	12	21	04
AREA CODE	NUMBER	MO	DAY	YEAR

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

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

INDUSTRIAL MAJOR, LAKE COUNTY

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

NAME BP PRODUCTS NORTH AMERICA INC.
ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394
FACILITY BP PRODUCTS NORTH AMERICA INC.
LOCATION WHITING
ATTN: ~~DENNIS J. SEITH~~ DANIEL J. SAJKOWSKI PLANT MANAGER

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

MAJOR
F - FINAL
EFFLUENT

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

IN0000108	003A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	MO	DAY	YEAR		MO	DAY	YEAR
FROM	11	01	04	TO	11	30	04

IN0000108003A1104

For Any Questions call Jeff Ewick at 317-233-0676

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PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	QUANTITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	********	********		7.6	********	7.6	(12)	0	WEEKLY	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			********	6 MINIMUM		9 MAXIMUM	SU		WEEKLY	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	********	********		********	0.5	0.5	(19)	0	WEEKLY	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			********		REPORT MO AVG	15.0 DAILY MX	MG/L		WEEKLY	GRAB
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	********	********		********	20	20	(19)	0	WEEKLY	GRAB
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			********		REPORT MO AVG	110 DAILY MX	MG/L		WEEKLY	GRAB
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTVE OFFICER OR AUTHORIZED AGENT

Authorized Agent:
Daniel J. Sajkowski
Business Unit Leader

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	12	21	04
AREA CODE	NUMBER	MO	DAY	YEAR

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

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

INDUSTRIAL MAJOR, LAKE COUNTY

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

NAME BP PRODUCTS NORTH AMERICA INC.

ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.

LOCATION WHITING

ATTN: ~~DENNIS J. SEITH~~ DANIEL J. SAJKOWSKI
PLANT MANAGER

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

MAJOR
F - FINAL
EFFLUENT

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

IN0000108	004A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	MO	DAY	YEAR		MO	DAY	YEAR
FROM	11	01	04	TO	11	30	04

IN0000108004A1104

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

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PH	SAMPLE MEASUREMENT	********	********		7.8	********	8.0	(12)	0	WEEKLY	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			********	6 MINIMUM		9 MAXIMUM	SU		WEEKLY	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	********	********		********	0.8	1.6	(19)	0	ONCE/MONTH	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			********		REPORT MO AVG	15.0 DAILY MX	MG/L		ONCE/MONTH	GRAB
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	********	********		********	21	23	(19)	0	WEEKLY	GRAB
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT			********		REPORT MO AVG	110 DAILY MX	MG/L		WEEKLY	GRAB
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTVE OFFICER OR AUTHORIZED AGENT

Authorized Agent:
Daniel J. Sajkowski
Business Unit Leader

TYPED OR PRINTED

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	12	21	04
AREA CODE	NUMBER	MO	DAY	YEAR

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

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO IN0000108 OUTFALL 001 Nov-04 November PROCESS WATER EFFLUENT

PARAMETER	FLOW	BOD	COD	pH	TSS	OIL	NH3-N	SULFIDE
CODE	Q50050	Q00310	Q00340	C00400	Q00547	Q00550	Q00610	Q00745
SAMPLE TYPE								
PERMIT	CONT	24	24	GRAB	24	3/DAY	24	24
ACTUAL	CONT	24	24	GRAB	24	3/DAY	24	24
FREQUENCY								
PERMIT	CONT	5/7	3/7	3/7	5/7	5/7	5/7	1/7
ACTUAL	CONT	5/7	3/7	3/7	5/7	5/7	5/7	1/7

LIMITS:														
AVG			4161		30323			3646		1368		1030		23.1
MAX			8164		58427	6.5-9		5694		2600		2060		51.4
DATE	MG/D	mg/l	LB/D	mg/l	LB/D	pH	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D
1	15.3	1.4	179	------	------	7.7	10.7	1365	0.6	77	<0.10	<13	<0.00	<0.0
2	16.5	2.0	275	40	5504	------	10.0	1376	0.8	110	<0.10	<14	------	------
3	16.8	1.3	182	------	------	7.6	10.5	1471	1.1	154	<0.10	<14	------	------
4	16.0	2.7	360	69	9207	------	26.0	3469	2.1	280	------	------	------	------
5	15.1	------	------	------	------	7.7	------	------	1.8	227	<0.10	<13	------	------
6	16.6	------	------	------	------	------	------	------	------	------	<0.10	<14	------	------
7	16.7	1.4	195	43	5989	------	13.0	1811	------	------	------	------	------	------
8	16.4	1.0	137	------	------	7.6	9.5	1299	0.6	82	<0.10	<14	0.01	1.4
9	15.6	1.2	156	39	5074	------	12.8	1665	0.5	65	<0.10	<13	------	------
10	14.8	1.7	210	------	------	7.6	8.4	1037	0.5	62	<0.10	<12	------	------
11	13.9	1.8	209	55	6376	------	14.4	1669	0.6	70	------	------	------	------
12	14.6	------	------	------	------	7.6	------	------	0.6	73	<0.10	<12	------	------
13	14.8	------	------	------	------	------	------	------	------	------	<0.10	<12	------	------
14	16.1	1.4	188	46	6177	------	13.0	1746	------	------	------	------	------	------
15	12.7	1.0	106	------	------	7.7	9.5	1006	0.6	64	<0.10	<11	<0.00	<0.0
16	5.2	2.0	87	51	2212	------	36.0	1561	1.5	65	<0.10	<4	------	------
17	5.0	4.7	196	------	------	7.7	78.7	3282	1.7	71	<0.10	<4	------	------
18	2.8	6.1	142	105	2452	------	90.0	2102	1.5	35	------	------	------	------
19	10.7	------	------	------	------	7.7	------	------	1.0	89	0.10	9	------	------
20	18.0	------	------	------	------	------	------	------	------	------	<0.10	<15	------	------
21	16.8	1.3	182	42	5885	------	12.0	1681	------	------	------	------	------	------
22	16.8	1.3	182	------	------	7.5	9.0	1261	0.9	126	2.88	404	<0.00	<0.0
23	15.7	1.3	170	38	4976	------	21.0	2750	1.1	144	3.35	439	------	------
24	15.7	3.5	458	------	------	7.5	24.0	3143	1.3	170	3.61	473	------	------
25	16.4	1.1	150	41	5608	------	10.0	1368	0.8	109	------	------	------	------
26	15.5	------	------	------	------	7.7	------	------	0.9	116	0.88	114	------	------
27	16.0	------	------	------	------	------	------	------	------	------	0.18	24	------	------
28	15.9	1.6	212	39	5172	------	17.5	2321	------	------	------	------	------	------
29	14.2	1.2	142	------	------	7.8	9.5	1125	0.6	71	<0.10	<12	<0.00	<0.0
30	14.8	1.2	148	40	4937	------	9.0	1111	0.5	62	<0.10	<12	------	------
AVERAGE	14.4	1.6	194	46	5351	7.6	15.3	1801	0.9	106	<0.63	<75	<0.00	<0.3
HIGHEST VAL.	18.0	6.1	458	105	9207	7.8	90.0	3469	2.1	280	3.61	473	0.01	1.4
LOWEST VAL.	2.8	1.0	87	38	2212	7.5	8.4	1006	0.5	35	<0.10	<4	<0.00	<0.0
OVER LIMIT			0		0	0		0		0		0		0
TOTAL	431.4													

CERTIFIED OPERATOR : David J. Olen No.14118

--MEANS NOT TESTED THIS DATE exp. 06/30/06 tel. 219-473-5298

DATE : 12-15-04

ENVIRONMENTAL ENGINEER : R M Hansen

2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO IN0000108 OUTFALL 001 Nov-04 November PROCESS WATER EFFLUENT

PARAMETER	HX. CHRM	TL.CHRM	PHENOL	SELENIUM	ORTHO-P	FECAL C.
CODE	Q01032	Q00034	Q32730	CO1147	C00670	**
SAMPLE TYPE						
PERMIT	24	24	24	24	--	GRAB
ACTUAL	24	24	24	24	24	GRAB
FREQUENCY						
PERMIT	1/7	1/7	3/7	2/YR	--	5/7
ACTUAL	1/7	1/7	3/7	2/YR	2/7	5/7

LIMITS:	HX. CHRM		TL.CHRM		PHENOL		SELENIUM		ORTHO-P	FECAL C.
AVG.		2.01		23.90						200
MAX.		4.48		68.53						400
DATE	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	ug/l	LB/D	MG/L	COLONIES
1	------	------	------	------	------	------			------	------
2	------	------	------	------	<0.01	<1.38			------	------
3	<0.005	<0.7	<0.01	<1.4	------	------			------	------
4	------	------	------	------	<0.01	<1.33			0.48	------
5	------	------	------	------	------	------			------	------
6	------	------	------	------	------	------			------	------
7	------	------	------	------	<0.01	<1.39			0.79	------
8	------	------	------	------	------	------			------	------
9	------	------	------	------	<0.01	<1.30			------	------
10	<0.005	<0.6	<0.01	<1.2	------	------			------	------
11	------	------	------	------	<0.01	<1.16			0.66	------
12	------	------	------	------	------	------			------	------
13	------	------	------	------	------	------			------	------
14	------	------	------	------	<0.01	<1.34			1.00	------
15	------	------	------	------	------	------			------	------
16	------	------	------	------	<0.01	<0.43			------	------
17	<0.005	<0.2	<0.01	<0.4	------	------			------	------
18	------	------	------	------	<0.01	<0.23			0.70	------
19	------	------	------	------	------	------			------	------
20	------	------	------	------	------	------			------	------
21	------	------	------	------	<0.01	<1.40			0.70	------
22	------	------	------	------	------	------			------	------
23	------	------	------	------	<0.01	<1.31			------	------
24	<0.005	<0.7	<0.01	<1.3	------	------			------	------
25	------	------	------	------	<0.01	<1.37			0.37	------
26	------	------	------	------	------	------			------	------
27	------	------	------	------	------	------			------	------
28	------	------	------	------	<0.01	<1.33			0.86	------
29	------	------	------	------	------	------			------	------
30	------	------	------	------	<0.01	<1.23			------	------
AVERAGE	<0.005	<0.6	<0.01	<1.1	<0.01	<1.17			0.70	0
HIGHEST VAL.	<0.005	<0.7	<0.01	<1.4	<0.01	<1.40			1.00	
LOWEST VAL.	<0.005	<0.2	<0.01	<0.4	<0.01	<0.23			0.37	
OVER LIMIT		0		0		0				0

CERTIFIED OPERATOR : David J. Olen No. 14118 exp.6/30/06 DATE : 12-15-04 AUTHORIZED AGENT: B M Henson

--MEANS NOT TESTED THIS DATE

**FECAL COLIFORM ARE LIMITED FROM APRIL 1 TO OCT. 1 WHEN REFINERY SANITARY SEWERS ARE DISCHARGING TO AMOCO WWTP.

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

PERMIT NO IN0000108 OUTFALL 002 Nov-04 November COOLING WATER EFFLUENT

PARAMETER	FLOW	IN-TEMP	OUT-TEMP	HEAT	pH	IN-OIL	OUT-OIL	DELTA OIL	IN-TOC	OUT-TOC	DELTA-TOC	RESID-CL
CODE	Q50050		C00010	C99003	C00400		C00550		C99680	C00680		
SAMPLE TYPE												
PERMIT	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
ACTUAL	CONT	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB	GRAB
FREQUENCY												
PERMIT	CONT	5/7	5/7	5/7	3/7	3/7	3/7	3/7	5/7	5/7	5/7	1/7
ACTUAL	CONT	CONT	CONT	CONT	3/7	3/7	3/7	5/7	5/7	5/7	5/7	1/7
LIMITS: AVG.				1.70								
MAX.				2.00	7-9			5			5	.05
DATE	MG/D	DEG C	DEG C	GBTU/HR	pH	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
1	90.1	16	31	0.844	8.4	<0.3	<0.3	<0.0	2	2	0	-------
2	89.0	15	30	0.834	-------	-------	-------	-------	2	2	0	-------
3	92.3	14	30	0.923	8.4	<0.3	<0.3	<0.3	2	3	0	<0.05
4	91.8	14	29	0.860	-------	-------	-------	-------	2	2	0	-------
5	87.3	14	29	0.818	8.3	<0.3	<0.3	<0.3	2	3	0	-------
6	87.2	12	29	0.926	-------	-------	-------	-------	-------	-------	-------	-------
7	79.4	12	29	0.843	-------	-------	-------	-------	-------	-------	-------	-------
8	88.3	12	28	0.883	8.3	<0.3	<0.3	<0.0	2	2	0	-------
9	88.9	12	28	0.889	-------	-------	-------	-------	2	2	0	-------
10	86.5	12	28	0.865	8.3	<0.3	<0.3	<0.3	2	2	0	<0.05
11	86.0	11	28	0.913	-------	-------	-------	-------	3	2	0	-------
12	88.8	11	28	0.943	8.3	<0.3	<0.3	<0.3	3	3	0	-------
13	86.1	11	27	0.861	-------	-------	-------	-------	-------	-------	-------	-------
14	88.5	11	27	0.885	-------	-------	-------	-------	-------	-------	-------	-------
15	88.5	10	27	0.940	8.3	<0.3	<0.3	<0.3	2	2	0	-------
16	86.0	10	27	0.913	-------	-------	-------	-------	2	2	0	-------
17	87.7	10	27	0.931	8.3	<0.3	<0.3	<0.3	3	2	0	<0.05
18	86.8	10	28	0.976	-------	-------	-------	-------	2	2	1	-------
19	87.5	11	27	0.875	8.2	<0.3	0.3	0.3	2	2	0	-------
20	89.5	11	27	0.895	-------	-------	-------	-------	-------	-------	-------	-------
21	88.1	10	27	0.936	-------	-------	-------	-------	-------	-------	-------	-------
22	88.7	10	28	0.997	8.2	<0.3	<0.3	<0.3	2	2	0	-------
23	89.0	10	28	1.001	-------	-------	-------	-------	2	2	0	-------
24	87.8	10	27	0.933	8.2	<0.3	<0.3	<0.0	2	2	0	<0.05
25	90.7	9	25	0.907	-------	-------	-------	-------	2	3	1	-------
26	90.3	9	26	0.959	8.2	<0.3	<0.3	<0.3	3	2	0	-------
27	90.6	9	26	0.962	-------	-------	-------	-------	-------	-------	-------	-------
28	87.9	9	26	0.934	-------	-------	-------	-------	-------	-------	-------	-------
29	88.5	8	26	0.995	8.2	<0.3	<0.3	<0.3	2	2	0	-------
30	90.4	8	26	1.017	-------	-------	-------	-------	2	2	0	-------
AVERAGE	88.3	11	28	0.915	8.3	<0.3	<0.3	<0.3	2	2	0	<0.05
HIGHEST VAL.	92.3	16	31	1.017	8.4	<0.3	0.3	0.3	3	3	1	<0.05
LOWEST VAL.	79.4	8	25	0.818	8.2	<0.3	<0.3	<0.3	2	2	0	<0.05
OVER LIMIT	0			0	0			0			0	0
TOTAL	2648.2											

CERTIFIED OPERATOR : David J. Olsen No. 14118 exp.6/30/06 tel.219-473-5298

DATE: 12-15-04

ENVIRONMENTAL ENGINEER :

--MEANS NOT TESTED THIS DATE

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

PERMIT NO. IN0000108 Nov-04 November STORM WATER RUNOFF

- - - -OUTFALL 003- - - -

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

PARAMETER		pH	OIL	TOC	
CODE:		C00400	C00550	C00680	
LIMITS:	MAX.	6-9	15	110	
DATA			mg/l	mg/l	
	1	--------	--------	--------	closed
	2	--------	--------	--------	closed
	3	--------	--------	--------	closed
	4	--------	--------	--------	closed
	5	--------	--------	--------	closed
	6	--------	--------	--------	closed
	7	--------	--------	--------	closed
	8	--------	--------	--------	closed
	9	--------	--------	--------	closed
	10	--------	--------	--------	closed
	11	--------	--------	--------	closed
	12	--------	--------	--------	closed
	13	--------	--------	--------	closed
	14	--------	--------	--------	closed
	15	--------	--------	--------	closed
	16	--------	--------	--------	closed
	17	--------	--------	--------	closed
	18	--------	--------	--------	closed
	19	--------	--------	--------	closed
	20	--------	--------	--------	closed
	21	--------	--------	--------	closed
	22	--------	--------	--------	closed
	23	--------	--------	--------	closed
	24	--------	--------	--------	closed
	25	--------	--------	--------	closed
	26	--------	--------	--------	closed
	27	--------	--------	--------	closed
	28	--------	--------	--------	closed
	29	--------	--------	--------	closed
	30	7.6	0.5	20	open
AVERAGE		7.6	0.5	20	
HIGHEST VAL.		7.6	0.5	20	
LOWEST VAL.		7.6	0.5	20	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen No. 14118 exp. 06/30/06 tel. 219-473-5298 DATE : 12-15-04 ENVIRONMENTAL ENGINEER : [illegible]

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

PERMIT NO. IN0000108 Nov-04 November STORM WATER RUNOFF

- - - -OUTFALL 004- - - -

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

PARAMETER		pH	OIL	TOC	
CODE:		C00400	C00550	C00680	
LIMITS:	MAX.	6-9	15	110	
DATA			mg/l	mg/l	
	1	--------	--------	--------	closed
	2	7.8	0.8	20	open
	3	--------	--------	--------	open
	4	--------	--------	--------	open
	5	--------	--------	--------	open
	6	--------	--------	--------	open
	7	--------	--------	--------	closed
	8	--------	--------	--------	closed
	9	--------	--------	--------	closed
	10	--------	--------	--------	closed
	11	8.0	0.4	18	open
	12	--------	--------	--------	open
	13	--------	--------	--------	closed
	14	--------	--------	--------	closed
	15	--------	--------	--------	closed
	16	--------	--------	--------	closed
	17	--------	--------	--------	closed
	18	--------	--------	--------	closed
	19	--------	--------	--------	closed
	20	--------	--------	--------	closed
	21	--------	--------	--------	closed
	22	7.8	1.6	22	open
	23	--------	--------	--------	open
	24	--------	--------	--------	closed
	25	--------	--------	--------	closed
	26	--------	--------	--------	closed
	27	--------	--------	--------	closed
	28	--------	--------	--------	closed
	29	--------	--------	--------	closed
	30	7.9	0.5	23	open
AVERAGE		7.9	0.8	21	
HIGHEST VAL.		8.0	1.6	23	
LOWEST VAL.		7.8	0.4	18	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen No. 14118 exp. 6/30/06 tel. 219-473 5298

DATE : 12-15-04

ENVIRONMENTAL ENGINEER : [illegible]

bp

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

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
December 22, 2004

Indiana Department of Environmental Management
OWQ Data Management Section
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

NPDES Permit No. 0000108, Serials 001, 002, 003, and 004

Effluent quality data and Discharge Monitoring Report forms from the BP Products North America Inc. - Whiting Business Unit for the month of November 2004, are attached. 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 R. A. Harris at (219) 473-3321.

Sincerely,

Daniel J. Sajkowski
Business Unit Leader

Attachments

'1004 0550 0000 3802 1210

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

NAME BP PRODUCTS NORTH AMERICA INC.

ADDRESS WHITING REFINERY
2815 INDIANAPOLIS BOULEVARD
WHITING IN 46394

FACILITY BP PRODUCTS NORTH AMERICA INC.

LOCATION WHITING

ATTN: ~~DENNIS J. SEITH~~ DANIEL J. SAJKOWSKI
PLANT MANAGER

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

MAJOR
F - FINAL
EFFLUENT

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

IN0000108	001A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	MO	DAY	YEAR		MO	DAY	YEAR
FROM	10	01	04	TO	10	31	04

IN0000108001A1004

For Any Questions call Jeff Ewick at 317-233-0676

*** NO DISCHARGE ☐ ***

NOTE: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUANTITY OR CONCENTRATION MINIMUM	QUANTITY OR CONCENTRATION AVERAGE	QUANTITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	192	301	(26) LBS/DY	********	1.8	3.3	(19) MG/L	0	5 TIME /WEEK	COMP 24
	PERMIT REQUIREMENT	4161 MO AVG	8164 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			5 TIMES WEEK	COMP24
OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD) 00335 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	4968	6886	(26) LBS/DY	********	46	76	(19) MG/L	0	THREE /WEEK	COMP 24
	PERMIT REQUIREMENT	30326 MO AVG	53427 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			THREE WEEK	COMP24
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********	********	7.6	********	7.9	(12) SU	0	THREE /WEEK	GRAB
	PERMIT REQUIREMENT	********	********		6.5 MINIMUM	********	9.0 MAXIMUM			THREE WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1966	3773	(26) LBS/DY	********	17.9	42.0	(19) MG/L	0	5 TIMES /WEEK	COMP 24
	PERMIT REQUIREMENT	3646 MO AVG	5894 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			5 TIMS WEEK	COMP24
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<86	247	(26) LBS/DY	********	<0.8	1.7	(19) MG/L	0	WEEK-DAYS	GRAB
	PERMIT REQUIREMENT	1368 MO AVG	2600 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			WEEK DAYS	GRAB
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<113	700	(26) LBS/DY	********	<1.02	4.88	(19) MG/L	0	5 TIMES /WEEK	COMP 24
	PERMIT REQUIREMENT	1080 MO AVG	2060 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			5 TIMS WEEK	COMP24
SULFIDE, TOTAL (AS S) 00745 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1.2	1.5	(26) LBS/DY	********	0.01	0.01	(19) MG/L	0	WEEKLY	COMP 24
	PERMIT REQUIREMENT	23.1 MO AVG	51.4 DAILY MX		********	REPORT MO AVG	REPORT DAILY MX			WEEKLY	COMP24

NAME/TITLE PRINCIPAL EXECUTVE OFFICER OR AUTHORIZED AGENT

Authorized Agent
Daniel J. Sajkowski
Business Unit Leader

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 persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowlege and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	11	22	2004
AREA CODE	NUMBER	MO	DAY	YEAR

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

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY

INDUSTRIAL MAJOR, LAKE COUNTY