bp

Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

BP
2815 Indianapolis Boulevard
Whiting, IN 46394
USA

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

May 23, 2002

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

Direct 219 473 3179
Fax 219 473 3504
Cell 219 320 0344
jhawarak@bp.com

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 April 2002, are attached. Effluent quality from the wastewater treatment plant for the month was excellent. 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 N. R. Grimmer at (219) 473-5417.

Sincerely,

Ashok K. Jhawar

Ashok K. Jhawar
Business Unit Leader

Attachments

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

PERMIT NO. IN0000108 April-02 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	8.3	0.5	26	open
	3	--------	--------	--------	open
	4	--------	--------	--------	closed
	5	--------	--------	--------	closed
	6	--------	--------	--------	closed
	7	--------	--------	--------	closed
	8	--------	--------	--------	closed
	9	8.1	<0.3	18	open
	10	--------	--------	--------	open
	11	--------	--------	--------	closed
	12	--------	--------	--------	closed
	13	--------	--------	--------	closed
	14	--------	--------	--------	closed
	15	--------	--------	--------	closed
	16	8.2	0.3	15	opened
	17	--------	--------	--------	opened
	18	--------	--------	--------	closed
	19	--------	--------	--------	closed
	20	--------	--------	--------	closed
	21	8.1	<0.3	23	open
	22	8.4	<0.3	24	open
	23	--------	--------	--------	open
	24	--------	--------	--------	open
	25	--------	--------	--------	open
	26	--------	--------	--------	closed
	27	--------	--------	--------	closed
	28	--------	--------	--------	closed
	29	8.2	<0.3	27	open
	30	--------	--------	--------	open
AVERAGE		8.2	<0.3	22	
HIGHEST VAL.		8.4	0.5	27	
LOWEST VAL.		8.1	<0.3	15	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen NO. 5404 DATE : 5/23/02 ENVIRONMENTAL ENGINEER : Natalie R. Stern

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

PERMIT NO. IN0000108 April-02 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	7.8	<0.3	14	open
	10	--------	--------	--------	open
	11	--------	--------	--------	open
	12	--------	--------	--------	open
	13	--------	--------	--------	closed
	14	--------	--------	--------	closed
	15	--------	--------	--------	closed
	16	--------	--------	--------	closed
	17	--------	--------	--------	closed
	18	--------	--------	--------	closed
	19	--------	--------	--------	closed
	20	--------	--------	--------	closed
	21	8.1	<0.3	16	open
	22	7.8	0.6	35	open
	23	--------	--------	--------	open
	24	--------	--------	--------	open
	25	--------	--------	--------	open
	26	--------	--------	--------	open
	27	--------	--------	--------	closed
	28	--------	--------	--------	closed
	29	8.0	<0.3	22	open
	30	--------	--------	--------	open
AVERAGE		7.9	<0.4	22	
HIGHEST VAL.		8.1	0.6	35	
LOWEST VAL.		7.8	<0.3	14	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen NO. 5404 DATE : 5/23/02 ENVIRONMENTAL ENGINEER: Natalie R [illegible]

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

PERMIT NO IN0000108 OUTFALL 002 April-02 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	84.1	4	20	0.841	8.3	<0.3	<0.3	<0.3	2	2	0	--------
2	85.8	4	21	0.911	--------	--------	--------	--------	2	2	0	--------
3	86.9	4	20	0.869	8.3	<0.3	<0.3	<0.3	2	3	1	<0.04
4	86.9	5	21	0.869	--------	--------	--------	--------	2	2	0	--------
5	85.2	5	21	0.852	8.3	<0.3	<0.3	<0.3	2	2	0	--------
6	85.0	5	21	0.850	--------	--------	--------	--------	--------	--------	--------	--------
7	85.3	5	21	0.853	--------	--------	--------	--------	--------	--------	--------	--------
8	80.9	5	21	0.809	8.3	<0.3	<0.3	<0.3	2	2	0	--------
9	89.6	5	21	0.896	--------	--------	--------	--------	2	2	0	--------
10	89.2	6	23	0.947	8.2	<0.3	<0.3	<0.3	2	2	0	<0.04
11	88.4	7	24	0.939	--------	--------	--------	--------	2	2	0	--------
12	86.6	7	24	0.920	8.2	<0.3	<0.3	<0.3	2	2	0	--------
13	86.4	7	24	0.918	--------	--------	--------	--------	--------	--------	--------	--------
14	87.5	8	25	0.929	--------	--------	--------	--------	--------	--------	--------	
15	88.4	8	25	0.939	8.3	<0.3	<0.3	<0.3	2	2	0	--------
16	88.4	8	26	0.994	--------	--------	--------	--------	2	2	0	--------
17	90.1	8	26	1.013	8.1	<0.3	<0.3	<0.3	2	2	0	<0.04
18	89.0	8	28	1.112	--------	--------	--------	--------	2	2	0	--------
19	88.8	8	27	1.054	8.0	<0.3	<0.3	<0.3	2	3	1	--------
20	88.7	8	28	1.108	--------	--------	--------	--------	--------	--------	--------	--------
21	87.8	8	28	1.097	--------	--------	--------	--------	--------	--------	--------	--------
22	86.3	8	27	1.024	8.2	<0.3	<0.3	<0.3	3	3	0	--------
23	86.6	9	27	0.974	--------	--------	--------	--------	2	2	0	--------
24	87.6	10	27	0.930	8.2	<0.3	<0.3	<0.3	2	2	0	<0.04
25	88.2	12	27	0.827	--------	--------	--------	--------	3	3	0	--------
26	87.6	12	27	0.821	8.2	<0.3	<0.3	<0.3	3	3	0	--------
27	86.7	12	27	0.812	--------	--------	--------	--------	--------	--------	--------	--------
28	89.4	12	27	0.838	--------	--------	--------	--------	--------	--------	--------	--------
29	88.0	11	26	0.825	8.3	<0.3	<0.3	<0.3	2	2	1	--------
30	88.4	12	26	0.773	--------	--------	--------	--------	2	2	1	--------
AVERAGE	87.3	8	25	0.918	8.2	<0.3	<0.3	<0.3	2	2	0	<0.04
HIGHEST VAL.	90.1	12	28	1.112	8.3	<0.3	<0.3	<0.3	3	3	1	<0.04
LOWEST VAL.	80.9	4	20	0.773	8.0	<0.3	<0.3	<0.3	2	2	0	<0.04
OVER LIMIT	0			0	0			0			0	0
TOTAL	2617.8											

CERTIFIED OPERATOR : David J. Olen NO. 5404 DATE: 5/23/02 ENVIRONMENTAL ENGINEER : Natalie R. Shum

--MEANS NOT TESTED THIS DATE

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

PERMIT NO IN0000108 OUTFALL 001 April-02 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: 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	<1.31			--------	--------
3	<0.005	<0.6	<0.01	<1.3	--------	--------			--------	--------
4	--------	--------	--------	--------	0.01	1.23			0.35	--------
5	--------	--------	--------	--------	--------	--------			--------	--------
6	--------	--------	--------	--------	--------	--------			--------	--------
7	--------	--------	--------	--------	0.01	1.18			0.57	--------
8	--------	--------	--------	--------	--------	--------			--------	--------
9	--------	--------	--------	--------	0.01	1.22			--------	--------
10	<0.005	<0.5	<0.01	<1.0	--------	--------			--------	--------
11	--------	--------	--------	--------	0.01	1.15			0.42	--------
12	--------	--------	--------	--------	--------	--------			--------	--------
13	--------	--------	--------	--------	--------	--------			--------	--------
14	--------	--------	--------	--------	<0.01	<1.14			0.97	--------
15	--------	--------	--------	--------	--------	--------			--------	--------
16	--------	--------	--------	--------	<0.01	<1.23			--------	--------
17	<0.005	<0.6	<0.01	<1.3	--------	--------			--------	--------
18	--------	--------	--------	--------	<0.01	<1.23			0.66	--------
19	--------	--------	--------	--------	--------	--------			--------	--------
20	--------	--------	--------	--------	--------	--------			--------	--------
21	--------	--------	--------	--------	<0.01	<1.34			0.28	--------
22	--------	--------	--------	--------	--------	--------			--------	--------
23	--------	--------	--------	--------	<0.01	<1.30			--------	--------
24	<0.005	<0.7	<0.01	<1.4	--------	--------			--------	--------
25	--------	--------	--------	--------	0.01	1.36			0.54	--------
26	--------	--------	--------	--------	--------	--------			--------	--------
27	--------	--------	--------	--------	--------	--------			--------	--------
28	--------	--------	--------	--------	<0.01	<1.27			0.58	--------
29	--------	--------	--------	--------	--------	--------			--------	--------
30	--------	--------	--------	--------	<0.01	<1.31			--------	--------
AVERAGE	<0.005	<0.6	<0.01	<1.3	<0.01	<1.25			0.54	0
HIGHEST VAL.	<0.005	<0.7	<0.01	<1.4	0.01	1.36			0.97	
LOWEST VAL.	<0.005	<0.5	<0.01	<1.0	<0.01	<1.14			0.28	
OVER LIMIT		0		0		0				0

CERTIFIED OPERATOR : David J. Allen NO. 5404 DATE : 5/23/02 ENVIRONMENTAL ENGINEER Natalie R. Brum

--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 001 April-02 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:			4161		30323		3646		1368		1030		23.1
AVG			8164		58427	6.5-9			2600		2060		51.4
MAX													
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	14.2	1.0	118	--------	--------	8	5.0	592	<0.3	<36	<0.10	<12	<0.00	<0.0
2	15.7	1.2	157	42	5499	--------	6.0	786	0.3	39	<0.10	<13	--------	--------
3	15.3	2.2	281	--------	--------	7.9	9.0	1148	1.6	204	<0.10	<13	--------	--------
4	14.8	1.6	197	--------	--------	--------	9.5	1173	1.5	185	--------	--------	--------	--------
5	15.2	--------	--------	41	5197	7.8	--------	--------	1.1	139	<0.10	<13	--------	--------
6	14.5	--------	--------	42	5079	--------	--------	--------	--------	--------	<0.10	<12	--------	--------
7	14.2	2.2	261	--------	--------	--------	8.4	995	--------	--------	--------	--------	--------	--------
8	13.6	2.1	238	--------	--------	7.9	8.8	998	0.8	91	<0.10	<11	0.02	2.3
9	14.6	2.7	329	51	6210	--------	12.8	1559	1.1	134	<0.10	<12	--------	--------
10	11.4	2.3	219	--------	--------	7.7	13.2	1255	1.1	105	<0.10	<10	--------	--------
11	13.8	3.3	380	--------	--------	--------	14.8	1703	1.4	161	--------	--------	--------	--------
12	14.7	--------	--------	59	7233	7.8	--------	--------	1.6	196	<0.10	<12	--------	--------
13	15.2	--------	--------	51	6465	--------	--------	--------	--------	--------	<0.10	<13	--------	--------
14	13.7	1.5	171	--------	--------	--------	11.6	1325	--------	--------	--------	--------	--------	--------
15	14.4	1.3	156	--------	--------	7.9	8.0	961	0.7	84	<0.10	<12	0.02	2.4
16	14.8	1.4	173	45	5554	--------	6.4	790	0.6	74	0.10	12	--------	--------
17	15.0	1.9	238	--------	--------	7.7	6.8	851	0.5	63	0.16	20	--------	--------
18	14.7	2.5	306	--------	--------	--------	11.6	1422	0.7	86	--------	--------	--------	--------
19	13.8	--------	--------	57	6560	7.8	--------	--------	0.5	58	1.90	219	--------	--------
20	17.1	--------	--------	52	7416	--------	--------	--------	--------	--------	<0.10	<14	--------	--------
21	16.1	1.0	134	--------	--------	--------	6.8	913	--------	--------	--------	--------	--------	--------
22	14.1	0.6	71	--------	--------	7.8	4.8	564	<0.3	<35	<0.10	<12	0.01	1.2
23	15.6	0.4	52	46	5985	--------	3.6	468	<0.3	<39	<0.10	<13	--------	--------
24	16.8	0.8	112	--------	--------	7.8	5.6	785	0.5	70	<0.10	<14	--------	--------
25	16.3	1.2	163	--------	--------	--------	6.4	870	0.7	95	--------	--------	--------	--------
26	15.3	--------	--------	52	6635	7.9	--------	--------	0.8	102	<0.10	<13	--------	--------
27	16.5	--------	--------	47	6468	--------	--------	--------	--------	--------	<0.10	<14	--------	--------
28	15.2	1.3	165	--------	--------	--------	7.6	963	--------	--------	--------	--------	--------	--------
*29	13.2	1.5	165	--------	--------	8	6.8	749	0.8	88	<0.10	<11	0.02	2.2
*30	15.7	5.6	733	63	8249	--------	8.8	1152	1.1	144	1.20	157	--------	--------
AVERAGE	14.9	1.8	219	50	6350	7.8	8.2	1001	<0.8	<101	<0.23	<29	<0.01	<1.6
HIGHEST VAL.	17.1	5.6	733	63	8249	8.0	14.8	1703	1.6	204	1.90	219	0.02	2.4
LOWEST VAL.	11.4	0.4	52	41	5079	7.7	3.6	468	<0.3	<35	<0.10	<10	<0.00	<0.0
OVER LIMIT			0		0	0		0		0		0		0
TOTAL	445.5													

CERTIFIED OPERATOR : David J. Olen NO. 5404 DATE : 5/23/02 ENVIRONMENTAL ENGINEER : Natalie R. Krum

--MEANS NOT TESTED THIS DATE

* Due to problems with the computerized flow totalizer, the analog flow gauges were used to determine the outfall 001 flow for these days.

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: ASHOK K. JHAWAR, PLANT MGR.

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

IN0000108004A0402

IN0000108	[redacted]
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	04	01	TO	02	04	30

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	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	********	********		8.1	********	8.4	(12)		1X /WEEK	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	********	********		********	<0.3	0.5	(19)		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	********	********		********	22	27	(19)		1X /WEEK	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

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

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.

Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
219	473-3179	2002	5	23

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: ASHOK K. JHAWAR, PLANT MGR.

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	[redacted]
PERMIT NUMBER	DISCHARGE NUMBER

IN0000108003A0402

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	04	01	TO	02	04	30

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
PH	SAMPLE MEASUREMENT	********	********		7.8	********	8.1	(12)		1X /WEEK	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	********	********		********	<0.4	0.6	(19)		1X /WEEK	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	********	********		********	22	35	(19)		1X /WEEK	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

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

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.

Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	2002	5	23
AREA CODE	NUMBER	YEAR	MO	DAY

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: ASHOK K. JHAWAR, PLANT MGR.

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	[redacted]
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	04	01	TO	02	04	30

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)	SAMPLE MEASUREMENT	********	********		********	2	3	(19)	0	5 TIME /WEEK	GRAB
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	GRAB
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	********	********		********	0	1	(19)	0	5 TIME /WEEK	GRAB
00680 [redacted] 0 0 EFFLUENT NET VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	5.0 DAILY MX	MG/L		5 TIMES/WEEK	GRAB
CARBON, TOT ORGANIC (TOC)	SAMPLE MEASUREMENT	********	********		********	2	3	(19)	0	5 TIME /WEEK	GRAB
00680 [redacted] 0 0 INTAKE FROM STREAM	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	87.3	90.1	(03)	********	********	********		0	DAILY	CONTIN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	********	********	********	********		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	********	********		********	<0.04	<0.04	(19)	0	1X /WEEK	GRAB
50060 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	0.05 DAILY MX	MG/L		WEEKLY	GRAB
FLOW, TOTAL	SAMPLE MEASUREMENT	********	2617.8	(3R)	********	********	********		0	ONCE/ MONTH	RCOTOT
82220 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	REPORT MO TOTAL	MGAL	********	********	********	********		ONCE/ MONTH	RCOTOT
znone	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

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.

Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	2002	5	23
AREA CODE	NUMBER	YEAR	MO	DAY

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: ASHOK K. JHAWAR, PLANT MGR.

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

IN0000108002A0402

IN0000108	[redacted]
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	04	01	TO	02	04	30

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	********	********	********	********	25	28	(04) DEG.C	0	5 TIME /WEEK	CONTIN
	PERMIT REQUIREMENT	********	********		********	REPORT MO AVG	REPORT DAILY MX			5 TIMES/WEEK	CONTIN
TEMPERATURE, WATER DEG. CENTIGRADE 00010 [redacted] 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	********	********	********	********	8	12	(04) DEG.C	0	5 TIME /WEEK	CONTIN
	PERMIT REQUIREMENT	********	********		********	REPORT MO AVG	REPORT DAILY MX			5 TIMES/WEEK	CONTIN
WASTE HEAT REJECTION RATE 00179 [redacted] 2 0 0 EFFLUENT [redacted] VALUE	SAMPLE MEASUREMENT	918	1,112	(05) MBTU/ HR	********	********	********	********	0	5 TIME /WEEK	CONTIN
	PERMIT REQUIREMENT	1700 MO AVG	2000 MX DA AV		********	********	********			5 TIMES/WEEK	CONTIN
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********	********	8.0	********	8.3	(12) SU	0	THREE/ WEEK	GRAB
	PERMIT REQUIREMENT	********	********		7 MINIMUM	********	9 MAXIMUM			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) MG/L	0	THREE/ WEEK	GRAB
	PERMIT REQUIREMENT	********	********		********	REPORT MO AVG	5.0 DAILY MX			THREE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC 00560 [redacted] 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	********	********	********	********	<0.3	<0.3	(19) MG/L	0	THREE/ WEEK	GRAB
	PERMIT REQUIREMENT	********	********		********	REPORT MO AVG	5.0 DAILY MX			THREE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC 00560 [redacted] 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	********	********	********	********	<0.3	<0.3	(19) MG/L	0	THREE/ WEEK	GRAB
	PERMIT REQUIREMENT	********	********		********	REPORT MO AVG	REPORT DAILY MX			THREE/WEEK	GRAB

NAME/TITLE PRINCIPAL EXECUTVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

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.

Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	2002	5	23
AREA CODE	NUMBER	YEAR	MO	DAY

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: ASHOK K. JHAWAR, PLANT MGR.

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	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	04	01	TO	02	04	30

IN0000108001A0402

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)	********	<0.005	<0.005	(19)	0	1X /WEEK	COMP 24
	PERMIT REQUIREMENT	2.01 MO AVG	4.48 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEKLY	COMP24
CHROMIUM, TOTAL (AS CR) 01034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<1.3	<1.4	(26)	********	<0.01	<0.01	(19)	0	1X /WEEK	COMP 24
	PERMIT REQUIREMENT	23.9 MO AVG	68.53 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEKLY	COMP24
PHENOLICS, TOTAL RECOVERABLE 32730 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<1.25	1.36	(26)	********	<0.01	0.01	(19)	0	THREE/ WEEK	COMP 24
	PERMIT REQUIREMENT	20.33 MO AVG	73.01 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		THREE/WEEK	COMP24
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	14.9	17.1	(03)	********	********	********		0	DAILY	CONTIN
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	********	********	********	********		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********		********	*	*	(19)	0	*	*
	PERMIT REQUIREMENT	********	********	********	********	REPORT MO AVG	0.05 DAILY MX	MG/L		5 TIMES/WEEK	GRAB
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********		********	0	0	(13)	0	5X /WEEK	GRAB
	PERMIT REQUIREMENT	********	********	********	********	200 MO AVG	400 DAILY MX	#/ 100ML		5 TIMES/WEEK	GRAB
FLOW, TOTAL 82220 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	445.5	(3R)	********	********	********		0	ONCE/ MONTH	RCOTOT
	PERMIT REQUIREMENT	********	REPORT MO TOTAL	MGAL	********	********	********	********		ONCE/ MONTH	RCOTOT

NAME/TITLE PRINCIPAL EXECUTVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

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.

Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	2002	5	23
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATION *(Reference all attachments here)*
* Total Residual Chlorine testing is not required for Outfall 001.

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: ASHOK K. JHAWAR, PLANT MGR.

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

IN0000108	001A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	04	01	TO	02	04	30

MAJOR
F - FINAL
EFFLUENT

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

IN0000108001A0402

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)	SAMPLE MEASUREMENT	219	733	(26)	********	1.8	5.6	(19)	0	5 TIME /WEEK	COMP 24
00310 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	4161 MO AVG	8164 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	COMP24
OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD)	SAMPLE MEASUREMENT	6350	8249	(26)	********	50	63	(19)	0	THREE/ WEEK	COMP 24
00335 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	30323 MO AVG	58427 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		THREE/ WEEK	COMP24
PH	SAMPLE MEASUREMENT	********	********		7.7	********	8.0	(12)	0	THREE/ WEEK	GRAB
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	********	********	********	6.5 MINIMUM	********	9 MAXIMUM	SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	1001	1703	(26)	********	8.2	14.8	(19)	0	5 TIME /WEEK	COMP 24
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	3646 MO AVG	5694 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	COMP24
OIL & GREASE (FREON EXTR.-IR METH)TOT,RC	SAMPLE MEASUREMENT	<101	204	(26)	********	<0.8	1.6	(19)	0	WEEK-DAYS	GRAB
00560 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1368 MO AVG	2600 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEK-DAYS	GRAB
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	<29	219	(26)	********	<0.23	1.90	(19)	0	5 TIME /WEEK	COMP 24
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1030 MO AVG	2060 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIMES/WEEK	COMP24
SULFIDE, TOTAL (AS S)	SAMPLE MEASUREMENT	<1.6	2.4	(26)	********	<0.01	0.02	(19)	0	1X/ WEEK	COMP 24
00745 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	23.1 MO AVG	51.4 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEKLY	COMP24

NAME/TITLE PRINCIPAL EXECUTVE OFFICER

Authorized Agent:
Ashok K. Jhawar
Business Unit Leader
Whiting Business Unit

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.

Ashok K. Jhawar

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3179	2002	5	23
AREA CODE	NUMBER	YEAR	MO	DAY

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

INDUSTRIAL MAJOR
WHITING, LAKE COUNTY