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

PERMIT NO. IN0000108 03/02 March 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	--------	--------	--------	CLOSED
	3	--------	--------	--------	CLOSED
	4	--------	--------	--------	CLOSED
	5	--------	--------	--------	CLOSED
	6	--------	--------	--------	CLOSED
	7	--------	--------	--------	CLOSED
	8	8.3	<0.3	19	OPEN
	9	--------	--------	--------	OPEN
	10	--------	--------	--------	CLOSED
	11	8.2	0.3	16	OPEN
	12	--------	--------	--------	OPEN
	13	--------	--------	--------	CLOSED
	14	--------	--------	--------	OPEN
	15	--------	--------	--------	OPEN
	16	--------	--------	--------	CLOSED
	17	--------	--------	--------	CLOSED
	18	--------	--------	--------	CLOSED
	19	8.3	0.9	21	OPEN
	20	--------	--------	--------	OPEN
	21	--------	--------	--------	CLOSED
	22	--------	--------	--------	CLOSED
	23	--------	--------	--------	CLOSED
	24	--------	--------	--------	CLOSED
	25	--------	--------	--------	CLOSED
	26	--------	--------	--------	CLOSED
	27	--------	--------	--------	CLOSED
	28	8.3	0.3	23	OPEN
	29	--------	--------	--------	OPEN
	30	--------	--------	--------	CLOSED
	31	--------	--------	--------	CLOSED
AVERAGE		8.3	<0.5	20	
HIGHEST VAL.		8.3	0.9	23	
LOWEST VAL.		8.2	<0.3	16	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David R. Olsen NO. 5404 DATE : 4/24/02 ENVIRONMENTAL ENGINEER: Natalie Rathman

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

PERMIT NO. IN0000108 03/02 March 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	7.7	<0.3	32	OPEN
	9	--------	--------	--------	OPEN
	10	--------	--------	--------	CLOSED
	11	7.9	<0.3	22	OPEN
	12	--------	--------	--------	OPEN
	13	--------	--------	--------	OPEN
	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	--------	--------	--------	CLOSED
	31	--------	--------	--------	CLOSED
AVERAGE		7.8	<0.3	27	
HIGHEST VAL.		7.9	<0.3	32	
LOWEST VAL.		7.7	<0.3	22	
OVER LIMIT		0	0	0	

CERTIFIED OPERATOR : David J. Olen NO. 5404 DATE : 4/24/02 ENVIRONMENTAL ENGINEER Natalie R. Shum

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

PERMIT NO IN0000108 OUTFALL 002 03/02 March 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	88.2	4	19	0.827	8.2	<0.3	<0.3	<0.3	2	2	0	--------
2	86.1	3	18	0.807	--------	--------	--------	--------	--------	--------	--------	--------
3	82.3	3	19	0.823	--------	--------	--------	--------	--------	--------	--------	--------
4	83.8	2	16	0.733	8.2	<0.3	<0.3	<0.3	2	2	0	--------
5	83.3	3	17	0.729	--------	--------	--------	--------	2	2	0	--------
6	83.9	3	16	0.681	8.2	<0.3	<0.3	<0.3	2	2	1	<0.04
7	83.7	4	18	0.732	--------	--------	--------	--------	2	3	1	--------
8	84.0	6	18	0.630	8.2	<0.3	<0.3	<0.3	2	3	0	--------
9	84.2	5	19	0.736	--------	--------	--------	--------	--------	--------	--------	--------
10	83.9	6	19	0.681	--------	--------	--------	--------	--------	--------	--------	--------
11	84.1	4	19	0.788	8.2	<0.3	<0.3	<0.3	2	3	1	--------
12	84.7	5	20	0.794	--------	--------	--------	--------	2	3	1	--------
13	84.1	4	19	0.788	8.2	<0.3	<0.3	<0.3	2	2	1	<0.04
14	84.0	3	18	0.787	--------	--------	--------	--------	2	3	1	--------
15	83.6	5	20	0.783	8.2	<0.3	<0.3	<0.3	2	3	1	--------
16	82.6	7	19	0.619	--------	--------	--------	--------	--------	--------	--------	--------
17	81.8	5	22	0.869	--------	--------	--------	--------	--------	--------	--------	--------
18	81.6	6	22	0.816	8.2	<0.3	<0.3	<0.3	2	3	1	--------
19	80.9	6	22	0.809	--------	--------	--------	--------	2	3	1	--------
20	79.5	9	24	0.745	8.3	<0.3	<0.3	<0.3	2	3	1	<0.04
21	78.0	9	22	0.633	--------	--------	--------	--------	2	2	0	--------
22	79.5	4	20	0.795	8.3	<0.3	<0.3	<0.3	2	2	0	--------
23	79.5	4	20	0.795	--------	--------	--------	--------	--------	--------	--------	--------
24	80.2	4	20	0.802	--------	--------	--------	--------	--------	--------	--------	--------
25	79.5	4	20	0.795	8.2	<0.3	<0.3	<0.3	3	3	0	--------
26	79.9	4	20	0.799	--------	--------	--------	--------	2	3	1	--------
27	81.7	3	19	0.817	8.3	<0.3	<0.3	<0.3	2	2	0	<0.04
28	81.6	4	18	0.714	--------	--------	--------	--------	2	2	0	--------
29	82.8	5	19	0.724	8.4	<0.3	<0.3	<0.3	2	2	0	--------
30	83.8	4	19	0.785	--------	--------	--------	--------	--------	--------	--------	--------
31	84.0	4	20	0.840	--------	--------	--------	--------	--------	--------	--------	--------
AVERAGE	82.6	5	19	0.764	8.2	<0.3	<0.3	<0.3	2	2	0	<0.04
HIGHEST VAL.	88.2	9	24	0.869	8.4	<0.3	<0.3	<0.3	3	3	1	<0.04
LOWEST VAL.	78.0	2	16	0.619	8.2	<0.3	<0.3	<0.3	2	2	0	<0.04
OVER LIMIT	0			0	0			0			0	0
TOTAL	2560.8											

CERTIFIED OPERATOR David J. Olen NO. 5404 DATE: 4/24/02 ENVIRONMENTAL ENGINEER Natalie R Strum

--MEANS NOT TESTED THIS DATE

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

PERMIT NO IN0000108 OUTFALL 001 03/02 March 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	--------	--------	--------	--------	--------	--------	23.0	2.5	--------	--------
	2	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	3	--------	--------	--------	--------	0.01	1.44	--------	--------	0.32	--------
	4	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	5	--------	--------	--------	--------	0.01	1.42	--------	--------	--------	--------
	6	<0.005	<0.6	<0.01	<1.3	--------	--------	--------	--------	--------	--------
	7	--------	--------	--------	--------	0.01	1.28	--------	--------	0.74	--------
	8	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	9	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	10	--------	--------	--------	--------	0.01	1.22	--------	--------	0.21	--------
	11	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	12	--------	--------	--------	--------	0.01	1.20	--------	--------	--------	--------
	13	<0.005	<0.6	<0.01	<1.1	--------	--------	--------	--------	--------	--------
	14	--------	--------	--------	--------	0.01	1.28	--------	--------	0.70	--------
	15	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	16	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	17	--------	--------	--------	--------	<0.01	<1.22	--------	--------	0.91	--------
	18	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	19	--------	--------	--------	--------	<0.01	<0.95	--------	--------	--------	--------
	20	<0.005	<0.6	<0.01	<1.2	--------	--------	20.0	2.5	--------	--------
	21	--------	--------	--------	--------	0.01	1.20	--------	--------	0.78	--------
	22	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	23	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	24	--------	--------	--------	--------	<0.01	<1.23	--------	--------	0.95	--------
	25	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	26	--------	--------	--------	--------	<0.01	<1.27	--------	--------	--------	--------
	27	<0.005	<0.6	<0.01	<1.2	--------	--------	--------	--------	--------	--------
	28	--------	--------	--------	--------	<0.01	<1.19	--------	--------	0.51	--------
	29	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	30	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
	31	--------	--------	--------	--------	<0.01	<1.12	--------	--------	0.66	--------
AVERAGE		<0.005	<0.6	<0.01	<1.2	<0.01	<1.23	21.5	2.5	0.64	0
HIGHEST VAL.		<0.005	<0.6	<0.01	<1.3	0.01	1.44	23.0	2.5	0.95	
LOWEST VAL.		<0.005	<0.6	<0.01	<1.1	<0.01	<0.95	20.0	2.5	0.21	
OVER LIMIT			0		0		0				0

CERTIFIED OPERATOR: David J. Olen NO. 5404 DATE: 4/24/02 ENVIRONMENTAL ENGINEER: Natalie R Shum

--MEANS NOT TESTED THIS DATE

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

Note: An additional Outfall 001 composite sample was taken on March 1, 2002 and analyzed for total selenium for the refinery's permit renewal application update.

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

PERMIT NO IN0000108 OUTFALL 001 03/02 March 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	13.1	--------	--------	77	8413	7.8	--------	--------	1.6	175	0.11	12	--------	--------
2	16.1	--------	--------	70	9399	--------	--------	--------	--------	--------	0.11	15	--------	--------
3	17.3	4.9	707	--------	--------	--------	18.7	2698	--------	--------	--------	--------	--------	--------
4	17.2	3.7	531	--------	--------	7.7	18.0	2582	1.5	215	<0.10	<14	0.02	2.9
5	17.0	2.4	340	55	7798	--------	12.7	1801	1.5	213	<0.10	<14	--------	--------
6	15.1	1.9	239	--------	--------	7.7	7.3	919	1.0	126	<0.10	<13	--------	--------
7	15.3	2.2	281	--------	--------	--------	8.5	1085	1.0	128	--------	--------	--------	--------
8	15.6	--------	--------	63	8197	7.7	--------	--------	1.0	130	<0.10	<13	--------	--------
9	16.0	--------	--------	68	9074	--------	--------	--------	--------	--------	0.13	17	--------	--------
10	14.6	4.0	487	--------	--------	--------	16.7	2033	--------	--------	--------	--------	--------	--------
11	12.7	2.1	222	--------	--------	7.7	7.3	773	0.9	95	<0.10	<11	0.02	2.1
12	14.4	2.2	264	53	6365	--------	9.3	1117	1.3	156	<0.10	<12	--------	--------
13	13.3	2.1	233	--------	--------	7.8	8.5	943	1.5	166	<0.10	<11	--------	--------
14	15.3	2.4	306	--------	--------	--------	10.5	1340	1.4	179	--------	--------	--------	--------
15	13.2	--------	--------	49	5394	7.9	--------	--------	0.9	99	0.18	20	--------	--------
16	14.0	--------	--------	53	6188	--------	--------	--------	--------	--------	<0.10	<12	--------	--------
17	14.6	1.7	207	--------	--------	--------	7.5	913	--------	--------	--------	--------	--------	--------
18	14.9	1.6	199	--------	--------	7.8	7.5	932	0.9	112	0.14	17	0.02	2.5
19	11.4	2.0	190	53	5039	--------	10.0	951	1.1	105	0.10	10	--------	--------
20	14.9	4.2	522	--------	--------	8	17.5	2175	1.4	174	0.10	12	--------	--------
21	14.4	3.8	456	--------	--------	--------	15.3	1837	1.2	144	--------	--------	--------	--------
22	15.6	--------	--------	57	7416	7.9	--------	--------	1.0	130	<0.10	<13	--------	--------
23	13.9	--------	--------	34	3941	--------	--------	--------	--------	--------	<0.10	<12	--------	--------
24	14.7	1.9	233	--------	--------	--------	10.0	1226	--------	--------	--------	--------	--------	--------
25	14.6	1.9	231	--------	--------	7.9	13.0	1583	1.0	122	<0.10	<12	0.02	2.4
26	15.2	1.6	203	40	5071	--------	10.5	1331	0.9	114	<0.10	<13	--------	--------
27	14.9	1.7	211	--------	--------	8	5.0	621	0.7	87	<0.10	<12	--------	--------
28	14.3	1.8	215	--------	--------	--------	7.0	835	0.3	36	--------	--------	--------	--------
29	14.7	--------	--------	46	5640	8.1	--------	--------	0.5	61	<0.10	<12	--------	--------
30	15.1	--------	--------	48	6045	--------	--------	--------	--------	--------	<0.10	<13	--------	--------
31	13.4	1.7	190	--------	--------	--------	9.0	1006	--------	--------	--------	--------	--------	--------
AVERAGE	14.7	2.5	308	55	6713	7.8	11.1	1367	1.1	132	<0.11	<13	0.02	2.5
HIGHEST VAL.	17.3	4.9	707	77	9399	8.1	18.7	2698	1.6	215	0.18	20	0.02	2.9
LOWEST VAL.	11.4	1.6	190	34	3941	7.7	5.0	621	0.3	36	<0.10	<10	0.02	2.1
OVER LIMIT			0		0	0		0		0		0		0
TOTAL	456.8													

CERTIFIED OPERATOR : David J. Olen NO. 5404

DATE : 4/24/02 ENVIRONMENTAL ENGINEER: Natalie R Summers

--MEANS NOT TESTED THIS DATE

OFFICE OF WATER MANAGEMENT
APR 30 11 02 AM '02

After conducting a formal incident investigation, we have determined that oily water from the process sewer was back flowing into the once through cooling water OTCW return line after pressure was taken off of the OTCW system. This was only occurring during shut down periods at the 11 PS unit. Two underground valves were identified to have potential impact on the OTCW and when uncovered, they were found to be open. These valves have been removed and the lines capped. Hence the root cause of this incident has been addressed.

The MSDS for oil released (Decanted Oil/ INT-Light Cat Cracked Distillate) is attached.

Please contact Richard Harris 219-473-3321 if you have any questions or would like additional information.

Sincerely,

Karleen James
Environmental Superintendent
Health Safety and Environmental

Attachment

cc: Mike Kuss, IDEM, (fax) 317-308-3063

bp

ADDENDUM 1

Whiting Business Unit
2815 Indianapolis Blvd.
PO Box 710
Whiting, IN 46394-0710

CERTIFIED MAIL - 7000 0520 0020 6164 3385
RETURN RECEIPT REQUESTED

March 21, 2002

Brian Smith
Office Of Emergency Response
Indiana Department Of Environmental Management
100 North Senate Avenue
Indianapolis, IN 46206-6015

Re: Release from Outfall 002 – March 2, 2002

Dear Mr. Smith

This letter is a follow-up to our initial notification about a release of approximately one quart of oil to Lake Michigan from Outfall 002 (the outfall for the once-through cooling water system) at the BP Products North America Inc. Whiting Refinery.

At approximately 6:30 pm on March 2, a sheen was observed on Lake Michigan adjacent to Outfall 002. Based on the size and color of the sheen, the volume of oil released was estimated to be one quart. The Whiting Refinery Emergency Response Team immediately responded to the incident and inspected the lake shore surrounding the Lakefront facility. No evidence of an oil release from Outfall 002 was detected. Vacuum trucks and absorbents were used to recover oil contained in the number 6 Separator (a set of boxes which provides for oil-water separation in the event of a leak prior to returning once-through cooling water to Lake Michigan via Outfall 002). A refinery wide unit inspection identified a potential source from the 11 PS area. The once-through cooling water (OTCW) line from this unit was blocked off and the oil coming into # 6 Separator cleared up by 7:30 pm. The following notifications were made on March 2, 2002.

6:40 pm -- National Spill Response Center (Incident # 595454)
6:50 PM – Whiting Filtration Plant
7:10 pm -- Indiana Department of Environmental Management (Incident #2002-30-017)
7:19 pm -- United States Coast Guard (Group Milwaukee)

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)*

PERMIT NUMBER	DISCHARGE NUMBER
IN0000108	[redacted]

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	03	01	TO	02	03	31

MAJOR
F - FINAL
EFFLUENT

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

IN0000108004A0302

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	********	********		8.2	********	8.3	(12)	0	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	********	********		********	<0.5	0.9	(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	********	********		********	20	23	(19)	0	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

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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	4	25

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

IN0000108003A0302

IN0000108	[redacted]
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	02	03	01	TO	02	03	31

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

*** NO DISCHARGE ☐ ***

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PH	SAMPLE MEASUREMENT	********	********		7.7	********	7.9	(12)	0	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	<0.3	(19)	0	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	********	********		********	27	32	(19)	0	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

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INDUSTRIAL MAJOR, LAKE COUNTY

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MAJOR
F - FINAL
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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	82.6	88.2	(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	********	2560.8	(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

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DISCHARGE MONITORING REPORT *(DMR)*

MAJOR
F - FINAL
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TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	********	********	********	********	19	24	(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	********	********	********	********	5	9	(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 NET VALUE	SAMPLE MEASUREMENT	764	869	(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	********	********	********	8.2	********	8.4	(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:
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Business Unit Leader
Whiting Business Unit

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See Addendum 1.

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DISCHARGE MONITORING REPORT *(DMR)*

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CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	∠0.6	∠0.6	(26)	********	∠0.005	∠0.005	(19)	0	1X /WEEK	COMP 24
01032 1 0 0 EFFLUENT GROSS VALUE	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)	SAMPLE MEASUREMENT	∠1.2	∠1.3	(26)	********	∠0.01	∠0.01	(19)	0	1X WEEK	COMP 24
01034 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	23.9 MO AVG	68.53 DAILY MX	LBS/DY	********	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEKLY	COMP24
SELENIUM, TOTAL (AS SE)	SAMPLE MEASUREMENT	********	2.5	(26)	********	********	23.0	(28)	0	SEMI-ANNUAL	COMP 24
01147 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******** MO AVG	REPORT DAILY MX	LBS/DY	********	******** MO AVG	REPORT DAILY MX	UG/L		SEMI-ANNUAL	COMP24
PHENOLICS, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	∠1.23	1.44	(26)	********	∠0.01	0.01	(19)	0	THREE/ WEEK	COMP
32730 1 0 0 EFFLUENT GROSS VALUE	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	SAMPLE MEASUREMENT	14.7	17.3	(03)	********	********	********		0	DAILY	CONTIN
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	********	********	********	********		DAILY	CONTIN
FLOW, TOTAL	SAMPLE MEASUREMENT	********	456.8	(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										

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Authorized Agent:
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Whiting Business Unit

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BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	308	707	(26)	********	2.5	4.9	(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	6713	9399	(26)	********	55	77	(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	********	8.1	(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	1367	2698	(26)	********	11.1	18.7	(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	132	215	(26)	********	1.1	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	<13	20	(26)	********	<0.11	0.18	(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	2.5	2.9	(26)	********	0.02	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

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