Facility Name/Location if different)
NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 4 394
FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

DISCHARGE MONITORING REPORT (DMR)

(2-16) IN0000108 PERMIT NUMBER

(17-19) 001 A DISCHARGE NUMBER

F - FINAL
MAJOR

Form Approved. 12345
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	11	01	TO	95	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |_|_| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
CHROMIUM, HEXAVALENT (AS CR)	SAMPLE MEASUREMENT	0.1	0.2	(2)	******	0.001	0.002	(19)	0	1X/ Week	Comp 24
01032 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	2.01 MO AVG	4.40 DAILY MX	LBS/DY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		WEEKLY	COMP24
CHROMIUM, TOTAL (AS CR)	SAMPLE MEASUREMENT	<0.9	<1.1	(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
PHENOLICS, TOTAL RECOVERABLE	SAMPLE MEASUREMENT	0.69	1.0	(26)	******	<0.01	0.01	(19)	0	3X/ Week	Comp 24
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	10.7	15.8	(03)	******	******	******		0	Daily	Cont.
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent:
Peter B. Beronio
Environmental Engineer-Water
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Peter B Beronio
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 219 NUMBER 473-3459

DATE: YEAR 95 MO 12 DAY 20

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

Facility Name/Location (if different)
NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394

FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: IN0000108
(17-19) DISCHARGE NUMBER: 002 A

F - FINAL
MAJOR

Form Approved. 12345
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	11	01	TO	95	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	24	30	(04) DEG.C	0	5X/ Week	Cont.
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX			TIME/WEEK	CONTIN
T PERATURE, WATER (.. CENTIGRADE 00010 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	******	******		******	8.0	16	(04) DEG.C	0	5X/ Week	Cont.
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX			TIME/WEEK	CONTIN
WASTE HEAT REJECTION RATE 00179 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	1,170	1,330	(05)	******	******	******		0	3X/ Week	Cont. Grab
	PERMIT REQUIREMENT	1700 MO AVG	2000 MX DA AV	MBTU/ HR	******	******	******	**** ****		TIME/WEEK	CONTIN
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		8.0	******	8.3	(12) SU	0	3X/ 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	******	******		******	1.1	2.2	(19) MG/L	0	3X/ Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	5.0 DAILY MX			THREE/WEEK	GRAB
OIL & GREASE (FREON E R.-IR METH) TOT, RC 560 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	******	******		******	0.8	1.9	(19) MG/L	0	3X/ Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	5.0 DAILY MX			THREE/WEEK	GRAB
OIL & GREASE (FREON EXTR.-IR METH) TOT, RC 00560 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	******	******		******	<0.3	0.4	(19) MG/L	0	3X/ Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX			THREE/WEEK	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent:
Peter B. Beronio
Environmental Engineer-Water
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Peter B Beronio
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3459	95	12	20
AREA CODE	NUMBER	YEAR	MO	DAY

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

Facility Name/Location if different)
NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394
FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

DISCHARGE MONITORING REPORT (DMR)

(2-16) IN0000109 — PERMIT NUMBER
(17-19) 002 A — DISCHARGE NUMBER

F - FINAL
MAJOR

Form Approved. 12345
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	11	01	TO	95	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
CARBON, TOT ORGANIC (TOC) 00680 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	2.0	3.0	(19)	0	5X/ Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L		TIME/WEEK	GRAB
C BON, TOT ORGANIC ( )C) 00680 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	******	******		******	0.0	1.0	(19)	0	5X/ Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	5.0 DAILY MX	MG/L	5	TIME/WEEK	GRAB
CARBON, TOT ORGANIC (TOC) 00680 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	******	******		******	2.0	3.0	(19)	0	5X/ Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	MG/L	5	TIME/WEEK	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	122.2	126.1	(03)	******	******	******		0	Daily	Cont.
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	< 0.04	< 0.04	(19)	0	1X/ Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	0.05 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent:
Peter B. Beronio
Environmental Engineer-Water
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Peter B. Beronio
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 219 — NUMBER 473-3459

DATE: YEAR 95 — MO 12 — DAY 20

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

NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394

FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
IN0000183	003 A

F - FINAL
MAJOR

Form Approved. 12395
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	11	01	TO	95	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
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 E B.-IR METH) TOT, RC	SAMPLE MEASUREMENT	******	******		******	2.8	3.8	(19)	0	1X/ Week	Grab
560 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	22	(19)	0	1X/ Week	Grab
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	110 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE
Authorized Agent: Peter B. Beronio Environmental Engineer-Water	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*	Peter B Beronio	219 473-3459	95 12 20
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER	YEAR MO DAY

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

Facility Name/Location if different)
NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394

FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: IN0000108
(17-19) DISCHARGE NUMBER: 004 A

F - FINAL
MAJOR

Form Approved. 12345
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	11	01	TO	95	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		7.6	******	8.6	(12)	0	1X Week	Grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6 MINIMUM	******	9 MAXIMUM	SU		WEEKLY	GRAB
O & GREASE (FREON EXTR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******		******	3.3	6.6	(19)	0	1X/ 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	******	******		******	27	31	(19)	0	1X/ Week	Grab
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	110 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent:
Peter B. Beronio
Environmental Engineer-Water
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Peter B Beronio
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 219 NUMBER 473-3459

DATE: YEAR 95 MO 12 DAY 20

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

PERMIT NO. IN0000108 OUTFALL 001 11/95 NOVEMBER

AMOCO OIL COMPANY, WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PROCESS WATER EFFLUENT

{WLSTAT}

PARAMETER CODE	FLOW Q50050	PH C00400	BOD Q00310		TSS Q00547		COD Q00340		OIL Q00550		PHENOL Q32730	
SAMPLE TYPE												
PERMIT			24		24		24		24		24	
ACTUAL	CONT	GRAB	24		24		24		24		24	
FREQUENCY												
PERMIT	CONT	GRAB	5/7		5/7		3/7		3/DAY		3/7	
ACTUAL	CONT	3/7	5/7		5/7		3/7		3/DAY		3/7	
LIMITS AVG.												
MAX.												
DATE	MG/D	PH	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D
1	9.9	7.5	3.7	4161	6	3646	—	30323	1.0	1368	—	20.33
2	11.2	—	4.2	8164	9	5694	—	58427	1.1	2600	0.01	73.00
3	10.2	7.6	—	305	—	495	—	—	0.6	82	—	—
4	9.4	—	—	392	—	840	—	—	—	103	—	1.00
5	9.3	—	3.5	—	—	—	53	4503	1.4	51	0.01	—
6	9.2	7.3	4.0	271	7	542	59	4620	1.2	—	—	1.00
7	9.2	—	3.9	307	11	843	—	—	1.5	107	0.01	—
8	9.4	7.6	3.8	299	9	690	61	4675	1.6	92	—	0.00
9	9.3	—	4.1	298	7	548	—	—	2.1	117	(0.01	—
10	12.2	7.5	—	318	11	852	95	9650	—	124	0.01	1.00
11	14.1	—	11.0	—	—	—	152	17850	2.5	213	—	—
12	6.8	7.5	6.6	623	47	2662	—	—	1.9	—	(0.01	0.00
13	8.3	—	6.6	456	15	1037	70	9210	2.5	173	—	—
14	15.8	7.5	1.6	869	15	1974	—	—	3.0	250	(0.01	1.00
15	12.3	—	1.9	164	1	102	38	3450	1.4	256	—	—
16	10.9	7.5	—	173	7	636	47	4267	—	272	0.01	0.00
17	10.9	—	2.1	—	—	—	—	—	5.3	127	—	—
18	10.9	7.3	4.3	175	13	1083	91	7429	5.8	—	(0.01	0.00
19	10.0	—	4.4	347	24	1939	—	—	1.8	428	—	—
20	9.7	7.4	1.7	359	26	2122	40	3732	1.3	473	0.01	1.00
21	9.8	—	3.0	174	20	2049	42	3289	0.5	184	—	—
22	12.3	7.2	—	257	10	858	—	—	—	112	0.01	1.00
23	10.3	—	2.3	—	—	—	55	5406	0.9	47	—	—
24	11.2	7.7	1.5	216	3	282	—	—	1.7	—	0.01	1.00
25	9.4	—	2.9	137	4	367	—	—	1.2	82	—	—
26	11.3	7.5	1.9	285	16	1573	67	6507	1.4	167	0.01	1.00
27	11.0	—	4.2	201	9	952	152	17850	1.9	127	—	—
28	11.8	7.4	—	413	8	786	38	3289	5.8	138	0.01	1.00
29	12.7	—	3.8	320	13	1056	—	—	—	169	—	1.00
30	11.8	7.7	11.0	869	47	2662	—	—	—	477	0.01	—
E	10.7	7.2	1.5	137	1	102	—	—	—	—	—	0.40
. VAL.	15.8	0	—	0	—	0	—	—	—	—	—	—
VAL.	6.8	—	—	—	—	—	—	—	—	—	—	—
IIT		—	—	—	—	—	—	—	—	—	—	—

) OPERATOR : George T. Cook
IOT TESTED THIS DATE.

AMOCO OIL COMPANY,WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

{WLSTAT}

PERMIT NO. IN0000108 OUTFALL 001 11/95 NOVEMBER PROCESS WATER EFFLUENT

PARAMETER	NH3-N		SULFIDE		TL.CHRM		HX.CHRM		SELENIUM		FECAL C	2378-CDD	2378-CDF
CODE	Q00610		Q00745		Q00034		Q01032		C01147		**		
SAMPLE TYPE													
PERMIT	24		24		24		24		24		GRAB		
ACTUAL	24		24		24		24		24		GRAB		
FREQUENCY													
PERMIT	5/7		1/7		1/7		1/7		2/YR		5/7	1/QTR	1/QTR
ACTUAL	5/7		1/7		1/7		1/7		2/YR		5/7	1/QTR	1/QTR
LIMITS AVG.		1030		23.1		23.90		2.01			200		
MAX.		2060		51.4		68.53		4.8			400		
DATE	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	ug/L	LB/D	COLONIES	pg/L	pg/L
1	0.22	18	--	--	<0.01	<0.8	0.001	0.1					
2	--	--	--	--	--	--	--	--					
3	0.12	10	--	--	--	--	--	--					
4	0.07	5	--	--	--	--	--	--			--		
5	--	--	--	--	--	--	--	--			--		
6	0.23	18	0.02	2.0	--	--	--	--					
7	0.22	17	--	--	--	--	--	--					
8	0.32	25	--	--	<0.01	<0.8	0.001	0.1					
9	--	--	--	--	--	--	--	--					
10	0.48	49	--	--	--	--	--	--					
11	0.48	56	--	--	--	--	--	--			--		
12	--	--	--	--	--	--	--	--			--		
13	0.25	17	0.04	3.0	--	--	--	--					
14	0.11	14	--	--	--	--	--	--					
15	0.35	36	--	--	<0.01	<1.0	0.002	0.2					
16	--	--	--	--	--	--	--	--					
17	0.15	14	--	--	--	--	--	--					
18	0.25	23	--	--	--	--	--	--			--		
19	--	--	--	--	--	--	--	--			--		
20	2.20	178	0.08	6.0	--	--	--	--					
21	1.90	155	--	--	--	--	--	--					
22	0.45	46	--	--	<0.01	<1.0	0.001	0.1					
23	--	--	--	--	--	--	--	--					
24	<0.10	<9	--	--	--	--	--	--					
25	0.14	11	--	--	--	--	--	--			--		
26	0.01	1	--	--	--	--	--	--			--		
27	0.20	18	0.02	2.0	--	--	--	--					
28	0.26	26	--	--	--	--	--	--					
29	<0.10	<11	--	--	<0.01	<1.1	0.001	0.1					
30	0.23	23	--	--	--	--	--	--					
AVERAGE	0.38	34	0.04	3.3	<0.01	<0.9	0.001	0.1	0	0	0	0	0
HIGHEST VAL.	2.20	178	0.08	6.0	<0.01	<1.1	0.002	0.2					
LOWEST VAL.	<0.01	<1	0.02	2.0	<0.01	<0.8	0.001	0.1					
OVER LIMIT		0		0		0		0			0		

CERTIFIED OPERATOR : George T Cook NO. 5404 DATE : 12/20/95 AUTHORIZED AGENT : Peter B Berens

--Means Not Tested this Date. **Fecal Coliform are limited from April 1 to Oct. 1, when Refinery Sanitary Sewers are discharging to AMOCO WWTP

AMOCO OIL COMPANY, WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000108 OUTFALL 002 11/95 NOVEMBER COOLING WATER EFFLUENT

PARAMETER	FLOW	pH	IN-TOC	OUT-TOC	DELTA TOC	IN-TEMP	TEMP	HEAT	RESID-CL	IN-OIL	OIL	DELTA OIL
CODE	Q50050	C00400	C99680	C00680			C00010	C99003			C00550	
SAMPLE TYPE												
PERMIT	CONT	GRAB	GRAB	GRAB	GRAB	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB
ACTUAL	CONT	GRAB	GRAB	GRAB	GRAB	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB
FREQUENCY												
PERMIT	CONT	3/7	5/7	5/7	5/7	5/7	5/7	5/7	1/7	3/7	3/7	3/7
ACTUAL	CONT	3/7	5/7	5/7	5/7	CONT	CONT	CONT	1/7	3/7	3/7	5/7
LIMITS: AVG.								1.70				
MAX.		7-9			5			2.00	.05			5
DATE	MG/D	pH	mg/l	mg/l	mg/l	DEG C	DEG C	GIGA BTU/HR		mg/l	mg/l	mg/l
1	122.7	8.2	2	2	0	15	30	1.15	*	0.3	1.3	1.0
2	122.3	--	2	2	0	16	30	1.07	--	--	--	--
3	122.6	8.1	2	3	1	13	28	1.15	--	<0.3	0.5	0.2
4	120.5	--	--	--	--	11	27	1.20	--	--	--	--
5	122.5	--	--	--	--	11	26	1.15	--	--	--	--
6	124.9	8.1	2	2	0	11	27	1.25	--	0.3	1.7	1.4
7	126.1	--	2	2	0	11	27	1.26	--	--	--	--
8	125.7	8.3	2	2	0	10	25	1.18	<0.04	0.3	1.2	0.9
9	125.5	--	2	2	0	9	24	1.18	--	--	--	--
10	124.3	8.3	2	2	0	9	25	1.24	--	<0.3	1.3	1.0
11	120.6	--	--	--	--	8	23	1.13	--	--	--	--
12	118.8	--	--	--	--	8	23	1.11	--	--	--	--
13	117.0	8.3	2	3	1	8	23	1.10	--	<0.3	1.5	1.2
14	115.5	--	2	2	0	8	22	1.01	--	--	--	--
15	116.1	8.3	2	3	1	7	22	1.09	<0.04	<0.3	0.7	0.4
16	118.8	--	2	2	0	7	22	1.11	--	--	--	--
17	121.3	8.2	2	3	1	7	22	1.14	--	<0.3	1.1	0.8
18	121.6	--	--	--	--	7	22	1.14	--	--	--	--
19	122.2	--	--	--	--	8	23	1.15	--	--	--	--
20	123.3	8.1	2	3	1	7	23	1.23	--	<0.3	1.1	0.8
21	122.9	--	2	2	0	7	22	1.15	--	--	--	--
22	124.8	8.1	2	3	1	8	22	1.09	<0.04	<0.3	2.2	1.9
23	124.4	--	2	2	0	6	21	1.17	--	--	--	--
24	122.9	8.2	2	2	0	5	21	1.23	--	<0.3	<0.3	0.1
25	123.5	--	--	--	--	7	23	1.23	--	--	--	--
26	124.9	--	--	--	--	6	23	1.33	--	--	--	--
27	124.2	8.0	1	2	1	5	22	1.32	--	<0.3	0.7	0.4
28	122.9	--	3	3	0	5	21	1.23	--	--	--	--
29	121.9	8.0	3	3	0	6	21	1.14	<0.04	0.4	1.2	0.8
30	121.3	--	2	3	1	7	21	1.06	--	--	--	--
AVERAGE	122.2	8.2	2	2	0	8	24	1.17	<0.04	<0.3	1.1	0.8
HIGHEST VAL.	126.1	8.3	3	3	1	16	30	1.33	<0.04	0.4	2.2	1.9
LOWEST VAL.	115.5	8.0	1	2	0	5	21	1.01	<0.04	<0.3	<0.3	0.1
OVER LIMIT		0			0			0	0			0

CERTIFIED OPERATOR : George Cook NO. 5404 DATE : 12/20/95 AUTHORIZED AGENT : Peter B Berens

--MEANS NOT TESTED THIS DATE

* The November 1 TRC sample was pulled on October 31 and was reported in the October Water Quality Report.

2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

PERMIT NO. IN0000010B 11/95 NOVEMBER STORM WATER RUNOFF

----OUTFALL 003----

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

PARAMETER	TOC	OIL	pH
CODE:	C00680	C00550	C00400
LIMITS: MAX.	110	15	6-9
DATA	MG/L	MG/L	
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14	21	3.8	8.3
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27	22	1.7	8.2
28			
29			
30			
AVERAGE	22	2.8	8.2
HIGHEST VAL.	22	3.8	8.3
LOWEST VAL.	21	1.7	8.2
OVER LIMIT	0	0	0

NO FLOW

FLOW

NO FLOW

FLOW

CERTIFIED OPERATOR : George T Cook NO. 5404 DATE : 12/20/95 AUTHORIZED AGENT : Peter B Bruno

AMOCO OIL COMPANY, WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

{WLSTAT}

PERMIT NO. IN0000108 11/95 NOVEMBER STORM WATER RUNOFF

- - - - O U T F A L L 004 - - - -

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

PARAMETER		TOC	OIL	pH
CODE:		C00680	C00550	C00400
LIMITS:	MAX.	110	15	6-9
DATA		MG/L	MG/L	
NO FLOW	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
FLOW	11	31	6.6	7.6
	12	20	2.7	8.4
	13			
	14			
	15			
	16			
	17			
	18			
	19	29	2.1	8.4
	20			
	21			
	22			
	23			
	24			
	25			
	26	29	1.8	8.6
NO FLOW	27			
	28			
	29			
	30			
AVERAGE		27	3.3	8.2
HIGHEST VAL.		31	6.6	8.6
LOWEST VAL.		20	1.8	7.6
OVER LIMIT		0	0	0

CERTIFIED OPERATOR : George T Cook NO. 5404 DATE : 12/20/95 AUTHORIZED AGENT : Peter B Bennett

Amoco Petroleum Products
Refining Business Group
Whiting Business Unit
2815 Indianapolis Boulevard
Post Office Box 710
Whiting, Indiana 46394-0710
219-473-7700

R. B. Sheldon
Manager, Whiting Business Unit

CERTIFIED MAIL
RETURN RECEIPT REQUESTED – Z-097-114-381

July 28, 1995

Denr 7/28/95
lab

Indiana Department of Environmental Management
Office of Water Management
100 North Senate Street
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 (DMR) forms from Amoco Oil Company's Whiting Refinery for the month of June, 1995, are attached.

Effluent quality was excellent and no permit exceedances were recorded at the Lakefront Wastewater Treatment Plant (WWTP).

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.

Sincerely,

RB Sheldon

R. B. Sheldon

Attachments

NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394

FACILITY
LOCATION
ATTN: Mr. J.E. NACCACHE

(2-16) PERMIT NUMBER: IN0000108

(17-19) DISCHARGE NUMBER: 001 A

MAJOR

F - FINAL

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	06	01	TO	95	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	190	555	(26)	******	1.6	3.6	(19)	0	5X Week	Comp 24
	PERMIT REQUIREMENT	4161 MO AVG	8164 DAILY MX	LBS/DY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIME /WEEK	COMP24
OXYGEN DEMAND, CHEM. (LOW LEVEL) (COD) 00335 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	5248	6289	(26)	******	44	54	(19)	0	3X Week	Comp 24
	PERMIT REQUIREMENT	30323 MO AVG	58427 DAILY MX	LBS/DY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		THREE/ WEEK	COMP24
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		7.5	******	7.7	(12)	0	3X Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	6.5 MINIMUM	******	9 MAXIMUM	SU		THREE/ WEEK	GRAB
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	1018	2406	(26)	******	9.0	19	(19)	0	5X Week	Comp 24
	PERMIT REQUIREMENT	3646 MO AVG	5694 DAILY MX	LBS/DY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIME /WEEK	COMP24
OIL & GREASE (FREON EXTR.-IR METH) TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	131	322	(26)	******	1.1	2.7	(19)	0	Week-days	Grab
	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) 00610 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<21	158	(26)	******	<0.17	1.26	(19)	0	5X Week	Comp 24
	PERMIT REQUIREMENT	1030 MO AVG	2060 DAILY MX	LBS/DY	******	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIME /WEEK	COMP24
SULFIDE, TOTAL (AS S) 00745 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	2.0	3.0	(26)	******	0.02	0.02	(19)	0	1X Week	Comp 24
	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 EXECUTIVE OFFICER
Authorized Agent:
Peter B. Beronio
Environmental Engineer-Water
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Peter B Beronio
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 219 NUMBER 473-3459

DATE: YEAR 95 MO 7 DAY 27

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

NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394

FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER: IN0000108
(17-19) DISCHARGE NUMBER: 001 A

MAJOR
F - FINAL

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	06	01	TO	95	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read Instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	QUANTITY OR LOADING (54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	QUALITY OR CONCENTRATION (46-53) AVERAGE	QUALITY OR CONCENTRATION (54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
CHROMIUM, HEXAVALENT (AS CR) 01032 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	0.1	0.2	(26)	******	0.001	0.001	(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) .034 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	<1.2	<1.5	(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	0.00	0.00	(26)	******	<0.01	<0.01	(19)	0	3X 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	14.1	18.5	(03)	******	******	******		0	Daily	Cont.
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	********		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(19)		00/00*	
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	0.05 DAILY MX	MG/L	5	TIME/WEEK	GRAB
COLIFORM, FECAL GENERAL 055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******			(13)		00/00**	
	PERMIT REQUIREMENT	******	******	********	******	200 MO AVG	400 DAILY MX	#/100ML	5	TIME/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent:
Peter B. Beronio
Environmental Engineer-Water
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Peter B Beronio Jr
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 219 NUMBER 473-3459

DATE: YEAR 95 MO 7 DAY 27

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

* Chlorine testing required only when chlorinating this stream.
** Fecal coliform testing required only when refinery sanitary sewers are discharging to the Amoco WWTP.

NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394
FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

DISCHARGE MONITORING REPORT (DMR)

(2-16) IN0000108 — PERMIT NUMBER

(17-19) 002 A — DISCHARGE NUMBER

MAJOR

F - FINAL

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY	TO	YEAR	MO	DAY
FROM	95	06	01		95	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (3 Card Only) (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (4 Card Only) (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TEMPERATURE, WATER DEG. CENTIGRADE 00010 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	34	38	(04)	0	5X Week	Cont.
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	REPORT DAILY MX	DEG.C		5 TIME/WEEK	CONTIN
TEMPERATURE, WATER G. CENTIGRADE 0010 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	******	******		******	18	23	(04)	0	5X Week	Cont.
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	REPORT DAILY MX	DEG.C		5 TIME/WEEK	CONTIN
WASTE HEAT REJECTION RATE 00179 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	1260	1390	(05)	******	******	******		0	5X Week	Cont.
	PERMIT REQUIREMENT	1700 MO AVG	2000 MX DA AV	MBTU/ HR	******	******	******	********		5 TIME/WEEK	CONTIN
PH 00400 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		8.0	******	8.3	(12)	0	3X 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	******	******		******	1.2	2.3	(19)	0	3X Week	Grab
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	5.0 DAILY MX	MG/L		THREE/WEEK	GRAB
OIL & GREASE (FREON TR.-IR METH) TOT,RC 560 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	******	******		******	0.9	2.0	(19)	0	3X Week	Grab
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	5.0 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	0.4	(19)	0	3X Week	Grab
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	REPORT DAILY MX	MG/L		THREE/WEEK	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent:
Peter B. Beronio
Environmental Engineer-Water
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Peter B Beronio

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 219 NUMBER 473-3459

DATE: YEAR 95 MO 7 DAY 7

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

NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394

FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

(2-16) PERMIT NUMBER: IN0000108

(17-19) DISCHARGE NUMBER: 002 A

MAJOR

F - FINAL

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	06	01	TO	95	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE [ ] ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
CARBON, TOT ORGANIC (TOC) 00680 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	2.0	3.0	(19)	0	5X Week	Grab
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIME /WEEK	GRAB
CARBON, TOT ORGANIC (TOC) 00680 2 0 0 EFFLUENT NET VALUE	SAMPLE MEASUREMENT	******	******		******	0.0	1.0	(19)	0	5X Week	Grab
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	5.0 DAILY MX	MG/L		5 TIME /WEEK	GRAB
CARBON, TOT ORGANIC (TOC) 00680 7 0 0 INTAKE FROM STREAM	SAMPLE MEASUREMENT	******	******		******	2.0	2.0	(19)	0	5X Week	Grab
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	REPORT DAILY MX	MG/L		5 TIME /WEEK	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	122.8	124.2	(03)	******	******	******		0	Daily	Cont.
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	********		DAILY	CONTIN
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	<0.04	<0.04	(19)	0	1X Week	Grab
	PERMIT REQUIREMENT	******	******	********	******	REPORT MO AVG	0.05 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent:
Peter B. Beronio
Environmental Engineer-Water
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)*

Peter B Beronio
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 219 NUMBER 473-3459

DATE: YEAR 95 MO 7 DAY 27

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

NAME AMOCO OIL COMPANY
ADDRESS 2815 INDIANAPOLIS BLVD
WHITING IN 46394
FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

DISCHARGE MONITORING REPORT (DMR)

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
IN0000108	003 A

MAJOR

F - FINAL

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	06	01	TO	95	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	******	******		7.8	******	8.8	(12)	0	1X Week	Grab
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6 MINIMUM	******	9 MAXIMUM	SU		WEEKLY	GRAB
OIL & GREASE (FREON TR.-IR METH) TOT,RC	SAMPLE MEASUREMENT	******	******		******	2.2	2.9	(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	******	******		******	40	49	(19)	0	1X Week	Grab
00680 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	110 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Authorized Agent:
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Environmental Engineer-Water
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Peter B Beronio
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
219	473-3459	95	7	27
AREA CODE	NUMBER	YEAR	MO	DAY

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

Facility Name/Location if different)
NAME AMOCO OIL COMPANY
ADDRESS 2615 INDIANAPOLIS BLVD
WHITING IN 46394
FACILITY
LOCATION
ATTN: MR. J.E. NACCACHE

DISCHARGE MONITORING REPORT (DMR)

(2-16) IN0000108 — PERMIT NUMBER
(17-19) 004 A — DISCHARGE NUMBER

MAJOR
F - FINAL

Form Approved.
OMB No. 2040-0004
Approval expires 10-31-94

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	95	06	01	TO	95	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
pH 00400 1 0 0 EFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		7.9	******	8.1	(12)	0	1X Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	6 MINIMUM	******	9 MAXIMUM	SU		WEEKLY	GRAB
OIL & GREASE (FREON TR.-IR METH) TOT,RC 00560 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	4.0	4.1	(19)	0	1X Month	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	15.0 DAILY MX	MG/L		ONCE/ MONTH	GRAB
CARBON, TOT ORGANIC (TOC) 00680 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		******	32	39	(19)	0	1X Week	Grab
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	110 DAILY MX	MG/L		WEEKLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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Peter B Beronio
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 219 — NUMBER 473-3459

DATE: YEAR 95 — MO 7 — DAY 27

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

See attachment for Outfall 004 Oil and Grease.

Attachment

The oil and grease (O&G) analysis for Outfall 004 for June 11, 1995, was inadvertently not done. The cause for this was identified: The June 11 sample was confused with the June 8 sample. Having thought that the O&G analysis had already been done, the June 11 sample was discarded. Sampling and analysis is required for the first discharge of each week that Outfall 004 is open. Sunday is the first day of the week.

We have reviewed the sampling and analysis requirements for Outfall 004 with the analytical staff and have emphasized the need to ensure that analysis is performed as required. Also, retainers will be collected and stored for one week to prevent such errors.

The other parameters (pH and TOC) were obtained for Outfall 004 for June 11 and were well within normal operation. We therefore believe that operations were normal and that O&G levels were within permitted levels.

AMOCO OIL COMPANY, WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

{WLSTAT}

PERMIT NO. IN0000108 OUTFALL 001 6/95 JUNE PROCESS WATER EFFLUENT

PARAMETER	FLOW	PH	BOD	TSS	COD	OIL	PHENOL
CODE	Q50050	C00400	Q00310	Q00547	Q00340	Q00550	Q32730
SAMPLE TYPE							
PERMIT	CONT	GRAB	24	24	24	3/DAY	24
ACTUAL	CONT	GRAB	24	24	24	3/DAY	24
FREQUENCY							
PERMIT	CONT	3/7	5/7	5/7	3/7	5/7	3/7
ACTUAL	CONT	3/7	5/7	5/7	3/7	5/7	3/7

LIMITS	AVG.			4161		3646		30323		1368		20.33
	MAX.		6.5-9	8164		5694		58427		2600		73.00
DATE		MG/D	pH	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D
1		11.3	--	1.1	104	7	659	--	--	<0.3	<28	<0.01	0.00
2		13.8	7.7	--	--	--	--	36	4138	0.3	<34	--	--
3		13.2	--	--	--	--	--	36	3958	--	--	--	--
4		11.6	--	1.0	97	6	580	--	--	--	--	<0.01	0.00
5		11.8	7.7	0.5	49	5	491	--	--	<0.3	<29	--	--
6		13.1	--	0.4	44	8	873	43	4692	0.4	44	<0.01	0.00
7		14.5	7.7	1.4	169	9	1087	--	--	0.8	97	--	--
8		15.2	--	2.2	279	19	2406	--	--	2.2	279	<0.01	0.00
9		14.3	7.7	--	--	--	--	45	5360	2.7	322	--	--
10		14.2	--	--	--	--	--	46	5441	--	--	--	--
11		14.2	--	1.8	213	10	1183	--	--	--	--	<0.01	0.00
12		13.8	7.6	1.3	149	8	920	--	--	0.9	103	--	--
13		13.5	--	2.4	270	11	1237	54	6073	0.8	90	<0.01	0.00
14		12.7	7.6	2.9	307	14	1481	--	--	1.2	127	--	--
15		13.6	--	1.4	159	8	906	--	--	1.0	113	<0.01	0.00
16		13.6	7.6	--	--	--	--	51	5778	1.5	170	--	--
17		13.5	--	--	--	--	--	50	5623	--	--	--	--
18		12.9	--	1.1	118	6	645	--	--	--	--	<0.01	0.00
19		14.3	7.5	1.0	119	4	476	--	--	0.9	107	--	--
20		15.0	--	1.5	187	7	875	47	5873	0.9	112	<0.01	0.00
21		15.0	7.5	1.6	200	8	1000	--	--	0.9	112	--	--
22		15.4	--	1.6	205	9	1155	--	--	0.9	115	<0.01	0.00
23		15.8	7.7	--	--	--	--	33	4343	0.9	118	--	--
24		15.5	--	--	--	--	--	42	5423	--	--	--	--
25		15.1	--	1.4	176	8	1006	--	--	--	--	<0.01	0.00
26		15.1	7.7	1.4	176	4	503	--	--	1.1	138	--	--
27		14.6	--	1.5	182	7	851	43	5230	1.2	146	<0.01	0.00
28		18.5	7.6	3.6	555	13	2003	--	--	1.9	293	--	--
29		14.0	--	2.0	233	9	1050	--	--	1.2	140	<0.01	0.00
30		15.1	7.7	--	--	--	--	50	6289	1.3	164	--	--
AVERAGE		14.1	7.6	1.6	190	9	1018	44	5248	1.1	131	<0.01	0.00
HIGHEST VAL.		18.5	7.7	3.6	555	19	2406	54	6289	2.7	322	<0.01	0.00
LOWEST VAL.		11.3	7.5	0.4	44	4	476	33	3958	<0.3	<28	<0.01	0.00
OVER LIMIT			0		0		0		0		0		0

CERTIFIED OPERATOR : George T. Cook NO. 5404 DATE : July 25 1995 AUTHORIZED AGENT : Peter D. Bennett

==MEANS NOT TESTED THIS DATE.

AMOCO OIL COMPANY, WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

{WLSTAT}

PERMIT NO. IN0000108 ~~OUTFALL 001~~ 6/95 JUNE PROCESS WATER EFFLUENT

PARAMETER	NH3-N		SULFIDE		TL.CHRM		HX.CHRM		SELENIUM		FECAL C	2378-CDD	2378-CDF
CODE	Q00610		Q00745		Q00034		Q01032		C01147		**		
SAMPLE TYPE													
PERMIT	24		24		24		24		24		GRAB		
ACTUAL	24		24		24		24		24		GRAB		
FREQUENCY													
PERMIT	5/7		1/7		1/7		1/7		2/YR		5/7	1/QTR	1/QTR
ACTUAL	5/7		1/7		1/7		1/7		2/YR		5/7	1/QTR	1/QTR
LIMITS AVG.		1030		23.1		23.90		2.01			200		
MAX.		2060		51.4		68.53		4.8			400		
DATE	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	mg/l	LB/D	ug/L	LB/D	COLONIES	pg/L	pg/L
1	--	--	--	--	--	--	--	--					
2	<0.10	<11	--	--	--	--	--	--					
3	<0.10	<11	--	--	--	--	--	--					
4	--	--	--	--	--	--	--	--			--		
5	<0.10	<10	0.01	1.0	--	--	--	--			--		
6	<0.10	<11	--	--	--	--	--	--					
7	<0.10	<12	--	--	<0.01	<1.2	0.001	0.1					
8	--	--	--	--	--	--	--	--					
9	<0.10	<12	--	--	--	--	--	--					
10	0.11	13	--	--	--	--	--	--			--		
11	--	--	--	--	--	--	--	--			--		
12	<0.10	<11	0.02	2.0	--	--	--	--					
13	0.18	20	--	--	--	--	--	--					
14	0.12	13	--	--	<0.01	<1.1	0.001	0.1					
15	--	--	--	--	--	--	--	--					
16	0.18	20	--	--	--	--	--	--					
17	<0.10	<11	--	--	--	--	--	--			--		
18	--	--	--	--	--	--	--	--			--		
19	<0.10	<12	0.02	2.0	--	--	--	--					
20	0.12	15	--	--	--	--	--	--					
21	<0.10	<12	--	--	<0.01	<1.2	0.001	0.1					
22	--	--	--	--	--	--	--	--					
23	<0.10	<13	--	--	--	--	--	--					
24	<0.10	<13	--	--	--	--	--	--			--		
25	--	--	--	--	--	--	--	--			--		
26	<0.10	<13	0.02	3.0	--	--	--	--					
27	0.14	17	--	--	--	--	--	--					
28	0.24	37	--	--	<0.01	<1.5	0.001	0.2					
29	--	--	--	--	--	--	--	--					
30	1.26	158	--	--	--	--	--	--					
AVERAGE	<0.17	<21	0.02	2.0	<0.01	<1.2	0.001	0.1	0	0	0	0	0
HIGHEST VAL.	1.26	158	0.02	3.0	<0.01	<1.5	0.001	0.2					
LOWEST VAL.	<0.10	<10	0.01	1.0	<0.01	<1.1	0.001	0.1					
OVER LIMIT		0		0		0		0			0		

CERTIFIED OPERATOR : George T. Cook NO. 5404 DATE : July 25 1995 AUTHORIZED AGENT : Peter B Beronio

--Means Not Tested this Date. **Fecal Coliform are limited from April 1 to Oct. 1, when Refinery Sanitary Sewers are discharging to AMOCO WWTP

AMOCO OIL COMPANY, WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

{WLSTAT}

PERMIT NO. IN0000108 OUTFALL 002 6/95 JUNE COOLING WATER EFFLUENT

PARAMETER	FLOW	pH	IN-TOC	OUT-TOC	DELTA TOC	IN-TEMP	TEMP	HEAT	RESID-CL	IN-OIL	OIL	DELTA OIL
CODE	Q50050	C00400	C99680	C00680			C00010	C99003			C00550	
SAMPLE TYPE												
PERMIT	CONT	GRAB	GRAB	GRAB	GRAB	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB
ACTUAL	CONT	GRAB	GRAB	GRAB	GRAB	CONT	CONT	CONT	GRAB	GRAB	GRAB	GRAB
FREQUENCY												
PERMIT	CONT	3/7	5/7	5/7	5/7	5/7	5/7	5/7	1/7	3/7	3/7	3/7
ACTUAL	CONT	3/7	5/7	5/7	5/7	CONT	CONT	CONT	1/7	3/7	3/7	5/7
LIMITS: AVG.								1.70				
MAX.		7-9			5			2.00	.05			5
DATE	MG/D	pH	mg/l	mg/l	mg/l	DEG C	DEG C	GIGA BTU/HR		mg/l	mg/l	mg/l
1	123.2	--	2	2	0	15	32	1.31	--	--	--	--
2	122.8	8.2	2	2	0	15	32	1.30	--	<0.3	1.5	1.2
3	123.6	--	--	--	--	16	33	1.31	--	--	--	--
4	124.0	--	--	--	--	17	33	1.24	--	--	--	--
5	124.2	8.3	2	2	0	17	33	1.24	--	<0.3	0.8	0.5
6	124.1	--	2	2	0	17	33	1.24	--	--	--	--
7	121.7	8.3	2	2	0	16	33	1.29	<0.04	<0.3	2.3	2.0
8	120.9	--	2	2	0	18	33	1.13	--	--	--	--
9	122.2	8.2	2	2	0	17	32	1.15	--	<0.3	2.0	1.7
10	124.2	--	--	--	--	17	33	1.24	--	--	--	--
11	123.5	--	--	--	--	17	33	1.23	--	--	--	--
12	122.4	8.2	2	2	0	17	33	1.22	--	<0.3	0.8	0.5
13	122.0	--	2	2	0	16	33	1.30	--	--	--	--
14	122.3	8.2	2	2	0	17	33	1.22	<0.04	<0.3	0.5	0.2
15	123.4	--	2	2	0	17	32	1.16	--	--	--	--
16	122.9	8.3	2	2	0	17	33	1.23	--	<0.3	0.7	0.4
17	123.6	--	--	--	--	17	33	1.24	--	--	--	--
18	123.5	--	--	--	--	17	34	1.31	--	--	--	--
19	123.0	8.3	2	2	0	17	35	1.38	--	<0.3	1.2	0.9
20	123.4	--	2	2	0	19	35	1.23	--	--	--	--
21	122.2	8.2	2	2	0	20	37	1.30	<0.04	0.3	1.4	1.1
22	121.9	--	2	2	0	21	37	1.22	--	--	--	--
23	122.7	8.2	2	2	0	21	38	1.30	--	0.4	1.2	0.8
24	123.0	--	--	--	--	21	38	1.31	--	--	--	--
25	122.8	--	--	--	--	22	38	1.23	--	--	--	--
26	123.6	8.0	2	3	1	23	38	1.16	--	0.4	0.9	0.5
27	123.7	--	2	2	0	20	38	1.39	--	--	--	--
28	123.3	8.2	2	2	0	18	35	1.31	<0.04	<0.3	1.8	1.5
29	121.4	--	2	2	0	17	34	1.29	--	--	--	--
30	119.8	8.1	2	2	0	17	34	1.27	--	<0.3	0.9	0.6
AVERAGE	122.8	8.2	2	2	0	18	34	1.26	<0.04	<0.3	1.2	0.9
HIGHEST VAL.	124.2	8.3	2	3	1	23	38	1.39	<0.04	0.4	2.3	2.0
LOWEST VAL.	119.8	8.0	2	2	0	15	32	1.13	<0.04	<0.3	0.5	0.2
OVER LIMIT		0			0			0	0			0

CERTIFIED OPERATOR : George Rod NO. 5404 DATE : July 25 1995 AUTHORIZED AGENT : Peter D Bernardo

--MEANS NOT TESTED THIS DATE

AMOCO OIL COMPANY, WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

{WLSTAT}

PERMIT NO. IN0000108 6/95 JUNE STORM WATER RUNOFF

- - - - O U T F A L L 003 - - - -

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

PARAMETER	TOC	OIL	pH
CODE:	C00680	C00550	C00400
LIMITS: MAX.	110	15	6-9
DATA	MG/L	MG/L	
1			
2			
3			
4	35	1.7	8.4
5			
6			
7			
8			
9			
10			
11	31	2.3	8.8
12			
13			
14			
15			
16			
17			
18	46	2.9	7.9
19			
20			
21			
22			
23			
24			
25	49	2.0	7.8
26			
27			
28			
29			
30			
AVERAGE	40	2.2	8.2
HIGHEST VAL.	49	2.9	8.8
LOWEST VAL.	31	1.7	7.8
OVER LIMIT	0	0	0

CERTIFIED OPERATOR : George Wade NO. 5404 DATE : July 25 1995 AUTHORIZED AGENT : Peter B Brown

AMOCO OIL COMPANY, WHITING REFINERY
2815 INDIANAPOLIS BLVD., WHITING, INDIANA 46394

{WLSTAT}

PERMIT NO. IN0000108 6/95 JUNE STORM WATER RUNOFF

- - - - O U T F A L L ~~0 0 4~~ - - -

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

PARAMETER	TOC	OIL	pH
CODE:	C00680	C00550	C00400
LIMITS: MAX.	110	15	6-9

DATA		MG/L	MG/L	
GLOSED	1			
	2			
	3			
	4			
	5			
	6			
	7			
OPEN	8	30	3.8	8.1
	9			
	10			
	11	39	*	7.9
CLOSED	12			
	13			
	14			
	15			
	16			
	17			
	18			
	19			
	20			
	21			
	22			
	23			
	24			
	25			
	26			
	27			
OPEN	28	28	4.1	8.1
	29			
	30			
AVERAGE		32	4.0	8.0
HIGHEST VAL.		39	4.1	8.1
LOWEST VAL.		28	3.8	7.9
OVER LIMIT		0	0	0

CERTIFIED OPERATOR : George Noah NO. 5404 DATE : July 25 1995 AUTHORIZED AGENT : Peter B Berovic

* See attachment.

AMOCO

R. B. Sheldon
Manager, Whiting Business Unit

Amoco Petroleum Products
Refining Business Group
Whiting Business Unit

2815 Indianapolis Boulevard
Post Office Box 710
Whiting, Indiana 46394-0710
219-473-7700

CERTIFIED MAIL — Z-097-114-383
RETURN RECEIPT REQUESTED

sent 8/28/95
lab

August 25, 1995

Indiana Department of Environmental Management
Office of Water Management
100 North Senate Street
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 (DMR) forms from Amoco Oil Company's Whiting Refinery for the month of July, 1995, are attached.

Effluent quality was excellent and no permit exceedances were recorded at the Lakefront Wastewater Treatment Plant (WWTP).

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.

Sincerely,

RB Sheldon

R. B. Sheldon

Attachments

July, 1995