

3-12-76 1

UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF INDIANA

UNITED STATES OF AMERICA,)
)
 Plaintiff,)
)
 v.)
)
 UNITED STATES SMELTING LEAD)
 REFINERY, INC.,)
)
 Defendant.)

CIVIL ACTION NO.
H 85-0469

JUDGE KANNE

AFFIDAVIT

I, Ronald D. Kovach, being duly sworn, depose and state as follows:

1. I am employed by the United States Environmental Protection Agency, Region V in Chicago, Illinois. I am an Environmental Protection Scientist in the Compliance Section, Water Quality Branch, of the Water Division.

2. My duties require that I review available information to determine whether a water pollution source is in compliance with the Federal Water Pollution Control Act. I ordinarily review discharge monitoring reports ("DMRs") and noncompliance notification reports submitted under the National Pollutant Discharge Elimination System ("NPDES"), compliance reports, and other data.

3. On October 22, 1985, I executed a sworn and notarized affidavit in this case, which is attached as attachment 1 to the Motion of Plaintiff United States

EPA Region 5 Records Ctr.



308208

Reference #44

01

For Partial Summary Judgment. The purpose of this second affidavit is to supplement my previous affidavit by updating paragraphs 7 through 9 of the previous affidavit.

4. I have reviewed the DMRs for NPDES Permit IN0032425, issued on March 25, 1985, to U.S.S. Lead Refinery, Inc. ("U.S.S. Lead"). A copy of this permit is attached to my previous affidavit. I reviewed the DMRs that U.S.S. Lead submitted to the State of Indiana from May, 1985 through February, 1986. Copies of these DMRs are attached to this affidavit. I reviewed the DMRs in order to identify reported excursions from the 0.2 mg/l lead effluent limitation in the 1985 permit.

5. The DMRs show a total of 24 excursions from the 0.2 mg/l lead effluent limitation for the period of May 6, 1985 through February 25, 1986. The DMRs incorrectly note the lead effluent limitation as 0.3 mg/l, thus, some of the total numbers of excursions noted on them are also incorrect. In addition, because these DMRs report testing of two laboratories, where both laboratories report an excursion for the same date, I have counted only one excursion.

6. Part II.C.4. of the 1985 permit requires U.S.S. Lead to submit written noncompliance reports to the State of Indiana. As part of the State of Indiana's administration of the NPDES program, it provides U.S. EPA with copies of noncompliance notification reports that major industrial dischargers, who have not complied with their NPDES permit conditions, have submitted to the State. The U.S. EPA has not received any

noncompliance reports from U.S.S. Lead for its excursions from the lead limitation for the period of May 6, 1985 through February 25, 1986. The U.S. EPA also has not received copies from the State of Indiana of any noncompliance notification reports for this same time period, which U.S.S. Lead may have submitted to the State.

Further affiant sayeth naught.

Ronald D. Kovach
Ronald D. Kovach

Sworn and Subscribed to

by me this 12th day of

May, 1986.

Babette J. Neuberg
Notary Public for the State of Illinois

My commission Expires: June 5, 1987

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

MANSFIELD LABORATORIES

SHEET 1 OF 2

U.S.S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

IN 01032425

(1-7)
 PERMIT NUMBER

001

(8-10)
 OUTFALL/
 FAC. NO.

0585

(11-12)(13-14)
 MO. YR.

ENTER:
 1-INDUSTRY
 4-FEDERAL
 (68)

01042

EFFLUENT CHARACTERISTICS		FLOW	PH		ARSENIC		CADMIUM		COPPER	
EFFLUENT NO. (16-21)		Q 50050	C 00400		c 01000	q	c 01027	q	C-01042	
SAMPLE TYPE (22-23)	Permit Cond.		GR		24 HR		24 HR		24 HR	
	Monitored		GR		COMP		COMP		COMP	
FREQUENCY (24-25)	Permit Cond.				1/7		1/7		1/7	
	Monitored				1/7		1/7		1/7	
EFFLUENT LIMITATIONS (29-36)	Mo. Avl. (29-36)	NONE								
	Wk. Avl. (37-44)	NONE	6-9		0.1		0.02		0.02	
UNITS		MGD	HI	LOW	mcg/l	lb/day	mcg/l	lb/day	MG/L	LB/Day
DATE										
1										
2										
3										
4										
5										
6		0.012	7.0		0.02		0.09		0.05	
7										
8										
9										
10										
11										
12										
13		0.008	7.0		0.02		0.30		0.08	
14										
15										
16										
17										
18										
19										
20		0.029	6.95		0.02		0.25		0.07	
21										
22										
23										
24										
25										
26										
27										
28		0.014	7.2		0.02		0.28		0.09	
29										
30										
31										
AVERAGE (29-36)		0.016			0.02		0.23		0.07	
HIGHEST VALUE OF MONTH (37-44)		0.029	7.2		0.02		0.30		0.09	
LOWEST VALUE OF MONTH (45-52)		0.008			0.02		0.09		0.05	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)			0		0		4		4	

R. David Smith
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

3042

[Signature]
 (60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

(PHONE NO.)
 These limitations have been administratively challenged by U. S. S. LEAD
 State Form 30530 (CERTIFICATION NO.) (56-59) (DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

GABRIEL LABORATORIES

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
 PERMIT NUMBER

0 | 0 | 1

(8-10)
 OUTFALL/
 FAC. NO.

0 | 5 | 8 | 5

(11-12)(13-14)
 MO. YR.

ENTER: 1-INDUSTRY
 4-FEDERAL
 (54)

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	q	c 01051	q	c 70301	q	c 00547	q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-28)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	XX Ave. (29-36)							30 DAILY MAX.	
	Wt. Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2									
3									
4									
5									
6		6.2		1.50		1128.0		4.0	
7									
8									
9									
10									
11									
12									
13		5.3		0.50		1132.0		5.0	
14									
15									
16									
17									
18									
19									
20		6.7		3.80		1408.0		34.0	
21									
22									
23									
24									
25									
26									
27									
28		5.7		0.6		1508.0		4.0	
29									
30									
31									
AVERAGE (29-36)		5.97		1.6		1294.0		11.75	
HIGHEST VALUE OF MONTH (37-44)		6.7		3.8		1508.0		34.0	
LOWEST VALUE OF MONTH (45-52)		5.3		0.5		1128.0		4.0	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		4		4		4		1	

R. Harold Steink

(SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

3042

D. Bedwell
 (60) (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
 6-21-85

PHONE NO.

CERTIFICATION NO.

DATE

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET 1 OF 2

U.S.S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

GABRIEL LABORATORIES

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 25TH OF THE FOLLOWING MONTH.

* THESE LIMITATIONS HAVE BEEN ENTERED ADMINISTRATIVELY CHALLENGED BY U. S. S. LEAD REFINERY 1-INDUSTRY 4-FEDERAL (68)

I N 0 0 3 2 4 2 5
 (1-7) PERMIT NUMBER

0 0 1
 (8-10) OUTFALL/ FAC. NO.

0 6 8 5
 (11-12)(13-14) MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 50050	C 00400		c 01000	Q	c 01027	Q	C 01041
SAMPLE TYPE (22-23)	Permit Cond.	0	GR		24 HR		24 HR		24 HR
	Monitored		GR		COMP		COMP		COMP
FREQUENCY (24-25)	Permit Cond.				1/7		1/7		1/7
	Monitored				1/7		1/7		1/7
EFFLUENT * LIMITATIONS	Mo. Avg. (29-36)	NONE			0.1		0.02		0.02
	Wk. Avg. (37-44)	NONE	6-9						
UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day	
DATE									
1									
2									
3									
4									
(5)		0.0084	7.3		0.050		0.110		0.050
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18		0.0056	7.1		0.077		0.097		0.050
19									
20									
21									
22									
23									
24									
(25)		0.00014	7.7		0.015		0.105		0.025
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.0036			0.052		0.055		0.375
HIGHEST VALUE OF MONTH (37-44)		0.0084	7.7		0.077		0.110		0.050
LOWEST VALUE OF MONTH (45-52)		0.00014	7.0		0.015		0.050		0.025
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)			0		0				4

JUN 22 2 09 PM '85
 DIVISION OF HEALTH & ENVIRONMENTAL CONTROL
 BOARD OF HEALTH & ENVIRONMENTAL CONTROL
 POLLUTION CONTROL DIV.

R. Frank Steals
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

(PHONE NO.)

3042

(CERTIFICATION NO.) (56-59)

[Signature]
 (60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

7-17-85
 (DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

GABRIEL LABORATORIES

SHEET 2 OF 2

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

IN 01032425

(1-7)
PERMIT NUMBER

001

(8-10)
OUTFALL/
FAC. NO.

0685

(11-12)(13-14)
MO. YR.

* THESE LIMITATIONS HAVE BEEN ADMINISTRATIVELY CHALLENGED BY U. S. S. LEAD REFINERY

ENTER: **01**
1-INDUSTRIAL
4-FEDERAL
(68)

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	q	c 01051	q	c 70301	q	c 00547	q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-28)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT * LIMITATIONS	XXI AVE. (29-36)					1		30 DAILY MAX	
	WR. MAX. (37-44)	1.5		0.3		250		20 DAILY AVE	
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2									
3									
4									
(5)		3.6		0.80		1075		1.0	
6									
7									
8									
9									
10									
(11)		10.2		0.60		1224		4.0	
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
(25)		5.3		1.730		532		5.0	
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		5.15		1.125		794		2.75	
HIGHEST VALUE OF MONTH (37-44)		10.2		1.730		1224		5.0	
LOWEST VALUE OF MONTH (45-52)		1.5		0.60		347		1.0	
NO. OF TIMES MAX EFFLUENT LIMITATIONS EXCEEDED (53-54)		3		4				0	

JUL 22 2 09 PM '75
 INDIANA STATE
 DEPARTMENT OF
 ENVIRONMENTAL
 POLLUTION CONTROL

[Signature]
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

(PHONE NO.)

3042

(CERTIFICATION NO.) (56-59)

[Signature]
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
7-17-85

(DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING REPORT FOR NPDES DISCHARGE PERMITS (DMR-1 Form)

SHEET 1 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

MANSFIELD LABORATORIES

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 25TH OF THE FOLLOWING MONTH.

* THESE LIMITATIONS HAVE BEEN ENTERED ADMINISTRATIVELY CHALLENGED BY U. S. S. LEAD REFINERY

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7) PERMIT NUMBER

0 | 0 | 1
(8-10) OUTFALL/FAC. NO.

0 | 6 | 8 | 5
(11-12)(13-14) MO. YR.

0 | 1
(65)

EFFLUENT CHARACTERISTICS		FLOW	PH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 50050	C 00400		c 01000	q	c 01027	q	C 01041
SAMPLE TYPE (22-23)	Permit Cond.		GR		24 HR		24 HR		24 HR
FREQUENCY (24-28)	Monitored		GR		COMP		COMP		COMP
Permit Cond.					1/7		1/7		1/7
Monitored					1/7		1/7		1/7
EFFLUENT * LIMITATIONS	Mo. Avg. (29-36)	NONE							
	Wk. Avg. (37-44)	NONE	6-9		0.1		0.02		0.02
UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day	
DATE									
1									
2									
3									
4									
(5)		0.0084	7.3		0.02		0.30		0.06
6									
7									
8									
9									
10									
(11)		0.0056	7.1		0.02		0.31		0.08
12									
13									
14									
(15)		0.00014	7.7		0.02		0.28		0.06
16									
17									
(18)		0.00014	7.0		0.02		0.30		0.05
19									
20									
21									
AVERAGE (29-36)		0.0036			0.02		0.29		0.062
HIGHEST VALUE OF MONTH (37-44)		0.0084	7.7		0.02		0.31		0.080
LOWEST VALUE OF MONTH (45-52)		0.00014	7.0		0.02		0.28		0.050
NO. OF TIMES MAX. EFFLUENT VIOLATIONS EXCEEDED (53-54)			0		0		4		4

R. Break Steals
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

(PHONE NO.)

3042

(CERTIFICATION NO.) (56-59)

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

7-17-85
(DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

MANSFIELD LABORATORIES

SHEET 2 OF 2

U. S. S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 26TH OF THE FOLLOWING MONTH.

* THESE LIMITATIONS HAVE BEEN ADMINISTRATIVELY CHALLENGED BY U. S. S. LEAD REFINERY

ENTER: 1-INDUSTRY 4-FEDERAL
(66)

I **N** **0** **0** **3** **2** **4** **2** **5**
(1-7)
PERMIT NUMBER

0 **0** **1**
(8-10)
OUTFALL/
FAC. NO.

0 **6** **8** **5**
(11-12)(13-14)
MO. YR.

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	g	c 01051	g	c 70301	g	c 00547	g
SAMPLE TYPE (22-23)	Perm. Cont.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-25)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT * LIMITATIONS (29-36)	Mo. Ave.	1.5		0.3		250		30 DAILY MAX.	
	Wk. Max.							20 DAILY AVE.	
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
(5)		0.90		0.15		340		25	
6									
7									
8									
9									
10									
(11)		0.9		0.17		440		33	
12									
(13)		0.9		0.17		370		22	
14									
15									
16									
(17)		0.9		0.18		380		20	
18									
19									
20									
21									
22									
23									
24									
(25)		0.9		0.18		380		20	
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.9		0.167				25	
HIGHEST VALUE OF MONTH (37-44)		0.9		0.18				33	
LOWEST VALUE OF MONTH (45-52)		0.9		0.15				20	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		0		0		4		1 DAILY MAX.	
								4 DAILY AVE.	

JUL 22 2 09 PM '85
 INDIANA STATE
 DEPARTMENT OF
 ENVIRONMENTAL
 DIVISION OF WATER
 POLLUTION CONTROL

C. Joseph Steinhilber
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
7-17-85
(DATE SUBMITTED) (61-66)

10-26-75 60

ANTIMONY AND ZINC

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 26TH OF THE FOLLOWING MONTH.

GABRIEL LABORATORIES
ANALYSIS

ENTER:
 1-INDUSTRY
 4-FEDERAL
(68)

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
PERMIT NUMBER

0 | 0 | 1

(8-10)
OUTFALL/
FAC. NO.

0 | 6 | 8 | 5

(11-12)(13-14)
MO. YR.

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO. (16-21)	Permit Cond.	C 01097	Q	C 01092	Q	C	Q	C	Q
	Monitored	24 HR		24 HR					
SAMPLE TYPE (22-23)	Permit Cond.	COMP.		COMP.					
	Monitored	1/7		1/7					
FREQUENCY (24-25)	Permit Cond.	1/7		1/7					
	Monitored	1/7		1/7					
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wk. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
(5)		0.25		0.24					
6									
7									
8									
9									
10									
(11)		0.25		0.285					
12									
13									
14									
15									
16									
17									
(18)		0.025		0.175					
19									
20									
21									
22									
23									
24									
(25)		0.046		0.14					
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.143		0.21					
HIGHEST VALUE OF MONTH (37-44)		0.25		0.285					
LOWEST VALUE OF MONTH (45-52)		0.025		0.14					
O. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)									

SEP 30 10 29 AM '85
 BOARD OF POLLUTION CONTROL
 DIVISION OF POLLUTION CONTROL

R. Derek Steals
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

PHONE NO. 1

CERTIFICATION NO. (56-59)

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

MANSFIELD LABORATORIES
ANALYSIS

ENTER:
1-INDUSTRY
4-FEDERAL
(68)

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7) PERMIT NUMBER

0 | 0 | 1
(8-10) OUTFALL/
FAC. NO.

0 | 7 | 8 | 5
(11-12)(13-14)
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 50050	C 00400		c 01000	q	c 01027	q	C 01042
SAMPLE TYPE (22-23)	Permit Cond.		GR		24 HR		24 HR		24 HR
	Monitored		GR		COMP		COMP		COMP
FREQUENCY (24-25)	Permit Cond.				1/7		1/7		1/7
	Monitored				1/7		1/7		1/7
EFFLUENT LIMITATIONS	No. AVE. (29-36)	NONE							
	WL AVE. (37-44)	NONE	6-9		0.1		0.02		0.02
UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day	
DATE									
1									
(2)		0.00014	7.2		[0.01		0.05		0.02
3									
4									
5									
6									
7									
8									
(9)		0.00014	7.7		[0.01		0.04		0.02
10									
11									
12									
13									
14									
15									
16	LESS THAN	0.00014	7.8		[0.01		0.05		0.02
17									
18									
19									
20		0.0184	6.85		[0.01		0.05		0.02
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.0037			[0.01		0.047		0.02
HIGHEST VALUE OF MONTH (37-44)		0.0184	7.8		[0.01		0.05		0.02
LOWEST VALUE OF MONTH (45-52)		0.0000		6.85	[0.01		0.04		0.02
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		0	0		0		4		0

AUG 23 10 25 AM '85
 INDIANA STATE
 DIVISION OF WATER
 POLLUTION CONTROL

NO SAMPLE AVAILABLE - DRY DISCHARGE PIPE

R. H. Steels
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
(DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

IN 01032425
 (1-7)
 PERMIT NUMBER

0101
 (8-10)
 OUTFALL/
 FAC. NO.

0785
 (11-22)(13-14)
 MO. YR.

MANSFIELD LABORATORIES
 ANALYSIS

ENTER: 1-INDUSTRY 4-FEDERAL
 101
 (68)

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	g	c 01051	g	c 70301	g	c 00547	g
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
FREQUENCY (24-28)	Permit Cond.	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Wk. Max. (37-44)	1.5		0.3		250		130 DAILY MAX.	
	Wk. Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2		6.4		0.41		634		5.0	
3									
4									
5									
6									
7									
8									
9		2.5		0.20		573		4.0	
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30		3.1		0.18		614		8.0	
31									
AVERAGE (29-36)		4.0		2.47		606		5.75	
HIGHEST VALUE OF MONTH (37-44)		6.4		0.41		634		8.0	
LOWEST VALUE OF MONTH (45-52)		2.5		0.18		573		4.0	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		4		1		4		0	

AUG 23 10 25 AM '85
 STATE OF INDIANA
 BOARD OF HEALTH
 DIVISION OF WATER
 POLLUTION CONTROL

R. Derek Steals
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012
 (PHONE NO.)

3042
 (CERTIFICATION NO.) (56-59)

R. Derek Steals
 (60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 (DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 **N** **0** **0** **3** **2** **4** **2** **5**
 (1-7)
 PERMIT NUMBER

0 **0** **1**
 (8-10)
 OUTFALL/
 FAC. NO.

0 **7** **8** **5**
 (11-12)(13-14)
 MO. YR.

GABRIEL LABORATORIES
 ANALYSIS

ENTER: **0** **1**
 1-INDUSTRY
 4-FEDERAL

DO NOT PUNCH

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	o	c 01051	o	c 70301	o	c 00547	o
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
FREQUENCY (24-28)	Monitored	COMP		COMP		COMP		COMP	
LIMITATIONS	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT	XX Ave. (29-36)								
	Wk. Max. (37-44)	1.5		0.3		250		30 DAILY MAX.	
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2		4.4		0.46		622		9.0	
3									
4									
5									
6									
7									
8									
9		5.0		1.10		768		1.0	
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30		2.88		1.60		276		1.0	
31									
AVERAGE (29-36)		4.94		1.02		603		4.0	
HIGHEST VALUE OF MONTH (37-44)		7.5		1.60		768		9.0	
LOWEST VALUE OF MONTH (45-52)		2.88		0.46		276		1.0	
NO. OF TIMES MAX. EFFLUENT LOCATIONS EXCEEDED (53-54)		4		4		4		0	

R. Rand Heath
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012
 (PHONE NO.)

3042
 (CERTIFICATION NO.) (56-59)

[Signature]
 (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
 (DATE SUBMITTED) (61-66)

AUG 23 10 25 AM '05
 INDIANA STATE
 POLLUTION CONTROL
 DIVISION OF WATER

post 49-26-85

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
PERMIT NUMBER

0 | 0 | 1

(8-10)
OUTFALL/
FAC. NO.

0 | 7 | 8 | 5

(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORIES
ANALYSIS

ENTER 2 2 3
9 | 1
(68)
1-INDUSTRY
4-FEDERAL

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO.	(16-23)	C 01097	Q	C 01092	Q	C	Q	C	Q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR		24 HR					
	Monitored	COMP.		COMP.					
FREQUENCY (24-28)	Permit Cond.			1/7					
	Monitored			1/7					
EFFLUENT LIMITATIONS	Mo. AVE. (29-36)								
	Wk. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
(2)				0.11					
3									
4									
5									
6									
7									
8									
(9)				0.09					
10									
11									
12									
13									
14									
15				0.10					
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
(30)				0.07					
31									
AVERAGE	(29-36)			0.092					
HIGHEST VALUE OF MONTH	(37-44)			0.110					
LOWEST VALUE OF MONTH	(45-52)			0.070					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED	(53-54)								

SEP 30 10 27 AM '85
 BOARD OF WATER
 DIVISION OF WATER
 POLLUTION CONTROL

R. David Steels
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

[Signature]
(60) (SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT)

(PHONE NO.)

(CERTIFICATION NO.) (45-58)

(DATE SUBMITTED)

3042

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DNR-1) Form
REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

E. S. S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

GABRIEL LABORATORIES
ANALYSIS

ENTER: 1-INDUSTRY
4-FEDERAL
(68)

1 | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7)
PERMIT NUMBER

0 | 0 | 1
(8-10)
OUTFALL/
FAC. NO.

0 | 7 | 8 | 5
(11-12)(13-14)
MO. YR.

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO. (16-21)		C 01097	Q	C 01092	Q	C	Q	C	Q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR		24 HR					
	Monitored	COMP.		COMP.					
FREQUENCY (24-25)	Permit Cond.	1/7		1/7					
	Monitored	1/7		1/7					
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wr. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
(2)		0.034		0.085					
3									
4									
5									
6									
7									
8		0.034		0.075					
9									
10									
11		0.037		0.05					
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
(30)		0.016		0.37					
31									
AVERAGE (29-36)		0.030		0.145					
HIGHEST VALUE OF MONTH (37-44)		0.037		0.37					
LOWEST VALUE OF MONTH (45-52)		0.016		0.05					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)									

SEP 30 11 23 AM '65
 GABRIEL LABORATORIES
 DIVISION OF WATER POLLUTION CONTROL

L. Bush Stiles
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(60X) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

PHONE NO.

CERTIFICATION NO. 466 (4)

DATE SUBMITTED

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMA-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

U.S.S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

MANSFIELD LABORATORIES
 ANALYSIS

ENTER:
 INDUSTRY
 FEDERAL

1 N 0 0 3 2 4 2 5
 (1-7)
 PERMIT NUMBER

0 0 1
 (8-10)
 OUTFALL/
 FAC. NO.

0 8 8 5
 (11-12)(13-14)
 MO. YR.

Do not punch

EFFLUENT CHARACTERISTICS		FLOW	pH		ARSENIC		CADMIUM		COPPER	
EFFLUENT NO. (16-21)		Q 60050	C 00400		c 01000	e	c 01027	e	C 01042	
SAMPLE TYPE (22-23)	Permit Cond.		GR		24 HR		24 HR		24 HR	
	Monitored		GR		COMP		COMP		COMP	
FREQUENCY (24-28)	Permit Cond.				1/7		1/7		1/7	
	Monitored				1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)	NONE								
	Wk. Avg. (37-44)	NONE	6-9		0.1		0.02		10.02	
UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day		
DATE										
1										
2										
3										
4										
5										
6		0.005	7.3		[0.01		0.03		0.02	
7										
8										
9										
10										
11										
12										
13	LESS THAN	0.00014	6.95		[0.01		0.04		0.02	
14										
15										
16										
17										
18		0.0096	7.3		[0.01		0.05		0.02	
19										
20										
21										
22										
23										
24										
25										
26										
27		0.0070	7.1		[0.01		0.03		0.02	
28										
29										
30										
31										
AVERAGE (29-36)		0.0054			[0.01		0.0375		0.02	
HIGHEST VALUE OF MONTH (37-44)		0.0096	7.3		[0.01		0.03		0.02	
LOWEST VALUE OF MONTH (45-52)		0.00014		6.95	[0.01		0.05		0.02	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)			0		0				0	

RECEIVED IN 21 MIN
 STATE DEPT
 DIVISION OF POLLUTION CONTROL
 11/21/73

R. David Steels
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

3042

[Signature]
 (60) (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

(PHONE NO.)

(CERTIFICATION NO.) (56-59)

(DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

Don't punch

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

MANSFIELD LABORATORIES
ANALYSIS

ENTER
 1-INDUSTRY
 4-FEDERAL
(68)

1 | **N** | **0** | **0** | **3** | **2** | **4** | **2** | **5**
(1-7)
PERMIT NUMBER

0 | **0** | **1**
(8-10)
OUTFALL/
FAC. NO.

0 | **8** | **8** | **5**
(11-12)(13-14)
MO. YR.

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	q	c 01051	q	c 70301	q	c 00547	q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		25 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-28)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	XXX Avg. (29-36)							30 DAILY MAX.	
	Wk. Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2									
3									
4									
5									
6									
(7)		7.0		0.22		528.0		7.0	
8									
9									
10									
11									
12		6.0		0.20		606.0		8.0	
13									
14									
15									
16		6.0		0.18		634.0		5.0	
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
(27)		5.0		0.17		588.0		7.0	
28									
29									
30									
31									
AVERAGE (29-36)		6.0		0.19		587.5		6.75	
HIGHEST VALUE OF MONTH (37-44)		7.0		0.22		634.0		8.0	
LOWEST VALUE OF MONTH (45-52)		5.0		0.17		528.0		5.0	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		4		0				0	

SEP 30 11 27 AM '85
 DIVISION OF WATER POLLUTION CONTROL

R. Paul Steals
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
(DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

*Dist
 Permit*

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
 (1-7)
 PERMIT NUMBER

0 | 0 | 1
 (8-10)
 OUTFALL/
 FAC. NO.

0 | 8 | 8 | 5
 (11-12)(13-14)
 MO. YR.

MANSFIELD LABORATORIES
 ANALYSIS

ENTER:
 1-INDUSTRY
 4-FEDERAL
 (68)

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO. (16-21)		C	Q	C	Q	C	Q	C	Q
SAMPLE TYPE (22-23)	Permit Cond. Monitored	01097	24 HR	01092	24 HR				
FREQUENCY (24-28)	Permit Cond. Monitored	COMP.	1/7	COMP.	1/7				
EFFLUENT LIMITATIONS	Mo. Avg. (29-36) Wk. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
5									
(6)		-		0.10					
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
(20)		[0.01		0.11					
21									
22									
23									
24									
25									
26									
(27)		[0.01		0.10					
28									
29									
30									
31									
AVERAGE (29-36)		[0.01		0.10					
HIGHEST VALUE OF MONTH (37-44)		[0.01		0.11					
LOWEST VALUE OF MONTH (45-52)		[0.01		0.09					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)									

SEP 30 10 27 AM '65
 DIVISION OF POLLUTION CONTROL

R. Deak Stalk
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

[Signature]
 (60X SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

3042

REPORT FOR NPDES DISCHARGE PERMITS

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

GABRIEL LABORATORIES
ANALYSIS

ENTER:

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
PERMIT NUMBER

0 | 0 | 1

(8-10)
OUTFALL/
FAC. NO.

0 | 8 | 8 | 5

(11-12)(13-14)
MO. YR.

6 | 0 | 1
(68) 1-INDUSTRIAL
4-FEDERAL

EFFLUENT CHARACTERISTICS		FLOW	PH		ARSENIC		CADMIUM		COPPER	
EFFLUENT NO. (16-21)		Q 50050	C 00400		c 01000	q	c 01027	q	C 01042	
SAMPLE TYPE (22-23)	Permit Cond.		GR		24 HR		24 HR		24 HR	
	Monitored		GR		COMP		COMP		COMP	
FREQUENCY (24-28)	Permit Cond.				1/7		1/7		1/7	
	Monitored				1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Mo. Av. (29-36)	NONE								
	Wk. Av. (37-44)	NONE	6-9		0.1		0.02		10.02	
UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day		
DATE										
1										
2										
3										
4										
5										
(6)		0.005	7.3		0.031		0.105		0.035	
7										
8										
9										
10										
11										
12										
(13)	LESS THAN	0.00014	6.95		0.17		0.250		0.017	
14										
15										
16										
17										
(18)		0.0096	7.3		0.01		0.100		0.010	
19										
20										
21										
22										
23										
24										
25										
26										
(27)		0.0070	7.1		0.042		0.075		0.040	
28										
29										
30										
31										
AVERAGE (29-36)		0.0054			0.063		1.325		0.025	
HIGHEST VALUE OF MONTH (37-44)		0.0096	7.3		0.17		0.250		0.040	
LOWEST VALUE OF MONTH (45-52)		0.00014	16.95		0.01		0.075		0.010	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)			0		1				2	

INDIANA STATE
 BOARD OF WATER
 POLLUTION CONTROL
 SEP 30 1985

K. David Steel
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

(PHONE NO.)

3042

(CERTIFICATION NO.) (56-59)

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

(DATE SUBMITTED) (61-66)

20

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

D.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

GABRIEL LABORATORIES
ANALYSIS

ENTER
0/1 1-INDUSTRY
4-FEDERAL
(68)

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7)
PERMIT NUMBER

0 | 0 | 1
(8-10)
OUTFALL/
FAC. NO.

0 | 8 | 8 | 5
(11-12)(13-14)
MO. YR.

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO.	(16-21)	c 00951	q	c 01051	q	c 70301	q	c 00547	q
SAMPLE TYPE	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
(22-23)	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY	Permit Cond.	1/7		1/7		1/7		1/7	
(24-28)	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	MAx Ave. (29-36)							30 DAILY MAX.	
	Wk. Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
5									
(6)		2.7		0.75		744		1.0	
7									
8									
9									
10									
11									
12									
(13)		1.4		4.55		260		2.0	
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
(27)		2.9		1.23		912		5.0	
28									
29									
30									
31									
AVERAGE	(29-36)	2.2		1.99		554		2.25	
HIGHEST VALUE OF MONTH	(37-44)	2.9		4.55		912		5.0	
LOWEST VALUE OF MONTH	(45-52)	1.4		0.75		260		1.0	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED	(53-54)	3		4		4		0	

SEP 30 10 21 AM '05
 STATE OF INDIANA
 DIVISION OF POLLUTION CONTROL

R. David Steels
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
(DATE SUBMITTED) (61-62)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

GABRIEL LABORATORIES
 ANALYSIS

ENTER
 01 1-DEURNEY
 4-FEDERAL
 (58)

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
 PERMIT NUMBER

0 | 0 | 1

(8-10)
 OUTFALL
 FAC. NO.

0 | 8 | 8 | 5

(11-12)(13-14)
 MO. YR.

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO. (16-21)		C 01097	Q	C 01092	Q	C	Q	C	Q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR		24 HR					
FREQUENCY (24-25)	Permit Cond.	1/7		1/7					
	Monitored	1/7		1/7					
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wk. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
5									
(6)		0.119		0.200					
7									
8									
9									
10									
11									
12									
(13)		0.038		0.300					
14									
15									
16									
17									
18									
19									
(20)		0.034		0.148					
21									
22									
23									
24									
25									
26									
(27)		0.096		0.175					
28									
29									
30									
31									
AVERAGE (29-36)		0.072		0.206					
HIGHEST VALUE OF MONTH (37-44)		0.119		0.300					
LOWEST VALUE OF MONTH (45-52)		0.034		0.148					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)									

SEP 14 1955
 DIVISION OF WATER POLLUTION CONTROL

R. Bush Clark
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

R. B. Bivens
 (60)(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

3042

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

Mansfield Laboratories
Analysis

ENTER:
1-INDUSTRY
4-FEDERAL
0/1
(68)

1 N 0 0 3 2 4 2 5
(1-7)
PERMIT NUMBER

0 0 1
(8-10)
OUTFALL/
FAC. NO.

0 9 8 9
(11-17)(13-14)
MO. YR.

EFFLUENT CHARACTERISTICS		FLOW	pH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 60050	C 00400	C 01000	q	C 01027	q	C 01041	
SAMPLE TYPE (2-23)	Permit Cond.		GR	24 HR		24 HR		24 HR	
	Monitored		GR	COMP		COMP		COMP	
FREQUENCY (24-28)	Permit Cond.			1/7		1/7		1/7	
	Monitored			1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Mo. Avz. (29-36)	NONE							
	Wk. Avz. (37-44)	NONE	6-9	0.1		0.02		0.02	
UNITS		MGD	HI	LOW	mcg/l	lb/day	mcg/l	lb/day	
DATE									
1									
2									
3		0.0058	7.4		0.01		0.03	0.020	
4									
5									
6									
7									
8									
9									
10		0.0086	7.2		0.01		0.05	0.020	
11									
12									
13									
14									
15									
16									
17		0.0086	7.6		0.01		0.03	0.010	
18									
19									
20									
21									
22									
23									
24		0.0056	7.1		0.01		0.03	0.020	
25									
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.0071			0.01		0.035	0.017	
HIGHEST VALUE OF MONTH (37-44)		0.0086	7.6		0.01		0.05	0.020	
LOWEST VALUE OF MONTH (45-52)		0.0056	7.1		0.01		0.03	0.010	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)			0		0		4	0	

R. David Steals
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
10-23-81
(DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMP-1) FORM
REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | **N** | **0** | **0** | **3** | **2** | **4** | **2** | **5**

(1-7)
PERMIT NUMBER

0 | **0** | **1**

(8-10)
OUTFALL/
FAC. NO.

0 | **9** | **8** | **5**

(11-12)(13-14)
MO. YR.

Mansfield Laboratories
Analysis

ENTER
0 | **1** 1-INDUSTRY
4-FEDERAL
(68)

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO.	(16-21)	c 00951	o	c 01051	o	c 70301	o	c 00547	o
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP.		COMP.		COMP.		COMP.	
FREQUENCY (24-25)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Max. Ave. (25-36)							30 DAILY MAX.	
	Wk. Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3		8.0		0.19		584		5.0	
4									
5									
6									
7									
8									
9									
10		5.0		0.18		511		7.0	
11									
12									
13									
14									
15									
16									
17		7.0		0.15		565		8.0	
18									
19									
20									
21									
22									
23									
24		6.0		0.20		605		5.0	
25									
26									
27									
28									
29									
30									
31									
AVERAGE	(25-36)	6.5		0.18		566		6.25	
HIGHEST VALUE OF MONTH	(37-44)	8.0		0.20		605		8.0	
LOWEST VALUE OF MONTH	(45-52)	5.0		0.15		511		5.0	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED	(53-54)	4		0		4		0	

P. Frank Steele
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(60) (SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT)
10-23-85

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DME-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
 (1-7)
 PERMIT NUMBER

0 | 0 | 1
 (8-10)
 OUTFALL/
 FAC. NO.

0 | 9 | 8 | 5
 (11-12)(13-14)
 MO. YR.

Mansfield Laboratories
 Analysis

ENTER:
 1-INDUSTRY
 4-FEDERAL
 (68)

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO. (16-21)	Permit Cond.	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
01097	24 HR			01092	24 HR				
(22-23)	Monitored			COMP.	COMP.				
FREQUENCY (24-28)	Permit Cond.								
(24-28)	Monitored								
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wk. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3		<0.01		0.09					
4									
5									
6									
7									
8									
9									
10		<0.01		0.08					
11									
12									
13									
14									
15									
16									
17		<0.01		0.08					
18									
19									
20									
21									
22									
23									
24		<0.01		0.07					
25									
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		<0.01		0.08					
HIGHEST VALUE OF MONTH (37-44)		<0.01		0.09					
LOWEST VALUE OF MONTH (45-52)		<0.01		0.07					
NO. OF TIMES MAX EFFLUENT LIMITATIONS EXCEEDED (53-54)									

R. Derek Steale
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

[Signature]
 (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
 10.77.0r

3042

REPORT FOR NPDES DISCHARGE PERMITS

SHEET 3 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

ENTER:

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7)
PERMIT NUMBER

0 | 0 | 1
(8-10)
OUTFALL/
FAC. NO.

1 | 0 | 8 | 5
(11-12)(13-14)
MO. YR.

Mansfield Laboratories
Analysis

0 | 1
(65)
1-INDUSTRIAL
4-FEDERAL

EFFLUENT CHARACTERISTICS		FLOW	PH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 60050	C 00400		c 01000	q	c 01027	q	C 01042
SAMPLE TYPE (22-23)	Permit Cond.		GR		24 HR		24 HR		24 HR
	Monitored		GR		COMP		COMP		COMP
FREQUENCY (24-25)	Permit Cond.				1/7		1/7		1/7
	Monitored				1/7		1/7		1/7
EFFLUENT LIMITATIONS	Mo. Av. (29-36)	NONE			0.1		0.02		0.02
	Wk. Av. (37-44)	NONE	6-9						
UNITS		MGD	HI	LOW	mc/l	lb/day	mc/l	lb/day	
DATE									
1		0.0081	7.1		[0.01		0.04		0.01
2									
3									
4									
5									
6									
7									
8		0.0031	7.1		[0.01		0.03		0.02
9									
10									
11									
12									
13									
14									
15		0.0138	7.2		[0.01		0.05		0.02
16									
17									
18									
19									
20									
21									
22		0.0058	6.9		[0.01		0.03		0.01
23									
24									
25									
26									
27									
28									
29		0.0058	6.8		[0.01		0.04		0.01
30									
31									
AVERAGE (29-36)		0.0073	X		[0.01		0.038		0.014
HIGHEST VALUE OF MONTH (37-44)		0.0138	7.2 X		[0.01		0.05		0.02
LOWEST VALUE OF MONTH (45-52)		0.0031	X 6.8		[0.01		0.03		0.01
OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)			0		0		5		3

R. David Steak
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) (SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OR AUTHORIZED AGENT)
(DATE SUBMITTED) (61-66)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMS) FORM
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
 PERMIT NUMBER

0 | 0 | 1

(8-10)
 OUTFALL/
 FAC. NO.

1 | 0 | 8 | 5

(11-12)(13-14)
 MO. YR.

MANSFIELD LABORATORIES
 ANALYSIS

ENTER: 0 | 1
 1-INDUSTRY
 4-FEDERAL
 (68)

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	q	c 01051	q	c 70301	q	c 00547	q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-25)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	MAV. AVE. (25-36)							30 DAILY MAX.	
	Wt. Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1		7.0		0.15		572		8.0	
2									
3									
4									
5									
6									
7									
8		8.0		0.17		555		7.0	
9									
10									
11									
12									
13									
14									
15		9.0		0.14		549		5.0	
16									
17									
18									
19									
20									
21									
22		7.0		0.15		560		8.0	
23									
24									
25									
26									
27									
28									
29		8.0		0.18		567		7.0	
30									
31									
AVERAGE (29-36)		7.8		0.155		560.6		7.0	
HIGHEST VALUE OF MONTH (37-44)		9.0		0.18		572		8.0	
LOWEST VALUE OF MONTH (45-52)		7.0		0.14		549		5.0	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		5							

R. David Stank
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (215) 397-1012

3042

[Signature]
 (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DME-3 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

ENTER: 1-INDUSTRY
 4-FEDERAL
 (68)

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
 (1-7)
 PERMIT NUMBER

0 | 0 | 1
 (8-10)
 OUTFALL/
 FAC. NO.

1 | 0 | 8 | 5
 (11-12)(13-14)
 MO. YR.

MANSFIELD LABORATORIES
 ANALYSIS

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO. (16-21)		C 01097	Q	C 01092	Q	C	Q	C	Q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR		24 HR					
	Monitored	COMP.		COMP.					
FREQUENCY (24-28)	Permit Cond.								
	Monitored								
EFFLUENT LIMITATIONS	No. Avg. (29-36)								
	Wk. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1		[0.01]		0.07					
2									
3									
4									
5									
6									
7									
8		[0.01]		0.09					
9									
10									
11									
12									
13									
14									
15		[0.01]		0.07					
16									
17									
18									
19									
20									
21									
22		[0.01]		0.07					
23									
24									
25									
26									
27									
28									
29		[0.01]		0.08					
30									
31									
AVERAGE (29-36)		[0.01]		0.076					
HIGHEST VALUE OF MONTH (37-44)		[0.01]		0.09					
LOWEST VALUE OF MONTH (45-52)		[0.01]		0.07					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)									

R. Derek Steels
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

3042

[Signature]
 (60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

REPORT FOR NPDES DISCHARGE PERMITS

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
PERMIT NUMBER

0 | 0 | 1
OUTFALL FAC. NO.

1 | 1 | 8 | 5
MO. YR.

GABRIEL LABORATORY ANALYSIS

ENTER: 0 | 1
(68)

EFFLUENT CHARACTERISTICS		FLOW	pH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 50050	C 00400		c 01000	q	c 01027	q	C 01044
SAMPLE TYPE (22-23)	Permit Cond.		GR		24 HR		24 HR		24 HR
	Monitored		GR		COMP		COMP		COMP
FREQUENCY (24-28)	Permit Cond.				1/7		1/7		1/7
	Monitored				1/7		1/7		1/7
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)	NONE							
	Wk. Avg. (37-44)	NONE	6-9		0.1		0.02		10.02
UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day	
DATE									
1									
2									
3									
4									
5		0.0185	6.6		0.116		0.625		0.050
6									
7									
8									
9									
10									
11									
12									
13		0.0153	6.6		0.099		0.513		0.075
14									
15									
16									
17									
18									
19		0.0270	6.4		0.06		0.413		0.050
20									
21									
22									
23									
24									
25									
26		0.0128	6.75		0.025		0.340		0.050
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.0184	6.75		0.075		0.473		0.056
HIGHEST VALUE OF MONTH (37-44)		0.0270	6.75		.116		0.625		0.075
LOWEST VALUE OF MONTH (45-52)		0.0128	6.75		0.025		0.340		0.050
% OF TIMES MAX EFFLUENT LIMITATIONS EXCEEDED (53-54)					1				4

R. David Clark
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
(DATE SUBMITTED) (61-66)

24

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DNR-1 F-100)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
PERMIT NUMBER

0 | 0 | 1

(8-10)
OUTFALL/
FAC. NO.

1 | 1 | 8 | 5

(11-12)(13-14)
MO. YR.

GABRIEL LABORATORY ANALYSIS

ENTER
0 | 1
(68)
1-INDUSTRY
4-FEDERAL

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	o	c 01051	o	c 70301	o	c 00547	o
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-25)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Wk. Max (37-44)	1.5		0.3		250		30 DAILY MAX.	
	Wk. Max (37-44)							20 DAILY AVE.	
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
5		9.5		1.45		1588		5.0	
6									
7									
8									
9									
10									
11									
12									
13		9.4		3.0		1812		4.0	
14									
15									
16									
17									
18									
19		8.0		4.95		1000		13.0	
20									
21									
22									
23									
24									
25									
26		12.1		1.713		560		5.0	
27									
28									
29									
30									
31									
AVERAGE (29-36)		9.65		2.79		1240		6.75	
HIGHEST VALUE OF MONTH (37-44)		12.1		4.95		1812		13.0	
LOWEST VALUE OF MONTH (45-52)		8.0		1.45		560		4.0	
NO. OF TIMES MAX EFFLUENT LIMITATIONS EXCEEDED (53-54)		4		4		4		0	

R. Derek Steels
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(215) 397-1012

3042

R. DeWalt
(60)(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
PERMIT NUMBER

0 | 0 | 1

(8-10)
OUTFALL/
FAC. NO.

1 | 1 | 8 | 5

(11-12)(13-14)
MO. YR.

GABRIEL LABORATORY ANALYSIS

ENTER: 1-INDUSTRY
 4-FEDERAL
(66)

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO. (16-21)		C 01097	Q	C 01092	Q	C	Q	C	Q
SAMPLE TYPE (22-23)	Permit Conc.	24 HR		24 HR					
	Monitored	COMP.		COMP.					
FREQUENCY (24-28)	Permit Cond.								
	Monitored								
EFFLUENT LIMITATIONS	Mo. Ave. (29-36)								
	Wk. Max. (37-44)								
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2									
3									
4									
5		0.198		1.4					
6									
7									
8									
9									
10									
11									
12									
13		0.174		1.175					
14									
15									
16									
17									
18									
19		0.100		1.175					
20									
21									
22									
23									
24									
25									
26		0.100		0.635					
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.143		1.096					
HIGHEST VALUE OF MONTH (37-44)		0.198		1.4					
LOWEST VALUE OF MONTH (45-52)		0.100		0.635					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)									

R. Reed Steaks
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(60) (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

REPORT FOR NPDES DISCHARGE PERMITS

SHEET 1 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

ENTER:

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7)
PERMIT NUMBER

0 | 0 | 1
(8-10)
OUTFALL/
FAC. NO.

1 | 1 | 8 | 5
(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORY ANALYSIS

0 | 1
(68)
1-DUST
4-FEDERU

EFFLUENT CHARACTERISTICS		FLOW	PH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 50050	C 00400		c 01000	q	c 01027	q	C 01044
SAMPLE TYPE (22-23)	Permit Cond.		GR		-24 HR		24 HR		24 HR
	Monitored		GR		COMP		COMP		COMP
FREQUENCY (24-25)	Permit Cond.				1/7		1/7		1/7
	Monitored				1/7		1/7		1/7
EFFLUENT LIMITATIONS	Mo. Avl. (29-36)	NONE							
	Wl. Avl. (37-44)	NONE	6-9		0.1		0.02		0.02
UNITS		MGD	HI	LOW	mcg/l	lb/day	mcg/l	lb/day	
DATE									
1									
2									
3									
4									
5		0.0185	6.6		[0.01		0.02		0.02
6									
7									
8									
9									
10									
11									
12									
13		0.0153	6.6		[0.01		0.03		0.02
14									
15									
16									
17									
18									
19		0.0270	6.4		[0.01		0.04		0.02
20									
21									
22									
23									
24									
25									
26		0.0128	6.75		[0.01		0.03		0.02
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.0184	6.75		[0.01		0.03		0.02
HIGHEST VALUE OF MONTH (37-44)		0.0270	6.75		[0.01		0.04		0.02
LOWEST VALUE OF MONTH (45-52)		0.0128	6.4		[0.01		0.02		0.02
NO. OF TOXES MAX. EFFLUENT STATIONS EXCEEDED (53-54)			0		0		3		0

L. David Steale
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
(DATE SUBMITTED) (61-66)

30

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMK-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

ENTER: 1-INDUSTRY
 4-FEDERAL
(68)

1 | N | 0 | 1 | 0 | 3 | 2 | 4 | 2 | 5
(1-7)
PERMIT NUMBER

0 | 0 | 1
(8-10)
OUTFALL/
FAC. NO.

1 | 1 | 8 | 5
(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORY ANALYSIS

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	q	c 01051	q	c 70301	q	c 00547	q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-25)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	MAVg. (25-36)							30 DAILY MAX.	
	WL Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2									
3									
4									
5		5.0		0.13		555		5.0	
6									
7									
8									
9									
10									
11									
12									
13		7.0		0.10		564		7.0	
14									
15									
16									
17									
18									
19		6.0		0.12		571		8.0	
20									
21									
22									
23									
24									
25									
26		8.0		0.13		565		7.0	
27									
28									
29									
30									
31									
AVERAGE (25-36)		6.5		0.12		564		6.75	
HIGHEST VALUE OF MONTH (37-44)		8.0		0.13		571		8.0	
LOWEST VALUE OF MONTH (45-52)		5.0		0.10		555		5.0	
NO OF TIMES MAX EFFLUENT LIMITATIONS EXCEEDED (53-54)		4		0		4		0	

R. David Smith
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

D. B. Baur
(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

STUDY REPORT ON ANTIMONY AND ZINC
 INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
 REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
 530C KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
PERMIT NUMBER

0 | 0 | 1

(8-10)
OUTFALL/
FAC. NO.

1 | 1 | 8 | 5

(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORY ANALYSIS

0 | 1

(68)

ENTER: 1-INDUSTRY
 4-FEDERAL

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO.	(16-21)	C 01097	Q	C 01092	Q	C	Q	C	Q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR		24 HR					
	Monitored	COMP.		COMP.					
FREQUENCY (24-25)	Permit Cond.								
	Monitored								
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wk. Max. (37-44)								
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2									
3									
4									
5		[0.01]		0.05					
6									
7									
8									
9									
10									
11									
12									
13		[0.01]		0.03					
14									
15									
16									
17									
18									
19		[0.01]		0.07					
20									
21									
22									
23									
24									
25									
26		[0.01]		0.05					
27									
28									
29									
30									
31									
AVERAGE	(29-36)	[0.01]		0.05					
HIGHEST VALUE OF MONTH	(37-44)	[0.01]		0.07					
LOWEST VALUE OF MONTH	(45-52)	[0.01]		0.03					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED	(53-54)								

R. David Steale
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012
 (PHONE NO.)

3042
 (CERTIFICATION NO.) (56-59)

[Signature]
 (60) (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
 (DATE SUBMITTED) (61-66)

REPORT FOR NPDES DISCHARGE PERMITS

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
PERMIT NUMBER

0 | 0 | 1
OUTFALL FAC. NO.

1 | 2 | 8 | 5
MO. YR.

GABRIEL LABORATORIES
ANALYSIS

ENTER:
INDUSTRIAL
FEDERAL

EFFLUENT CHARACTERISTICS		FLOW	pH		ARSENIC		CADMIUM		COPPER	
EFFLUENT NO. (16-21)		Q 60050	C 00400		C 01000	C	C 01027	C	C 01042	
SAMPLE TYPE (22-23)	Permit Cond.		GR		24 HR		24 HR		24 HR	
	Monitored		GR		COMP		COMP		COMP	
FREQUENCY (24-28)	Permit Cond.				1/7		1/7		1/7	
	Monitored				1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Mo. Ave. (29-36)	NONE								
	WL Ave. (37-44)	NONE	6-9		0.1		0.02		0.02	
UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day		
DATE										
1										
2										
3										
4		0.0173	6.7		0.061		0.765		0.110	
5										
6										
7										
8										
9										
10		0.0136	7.0		0.024		0.130		0.025	
11										
12										
13										
14										
15										
16										
17		0.0049	7.4		0.022		0.125		0.047	
18										
19										
20										
21										
22										
23										
24		0.0039	7.3		0.175		0.057		0.022	
25										
26										
27										
28										
29										
30										
31		0.0050	7.4		0.024		0.094		0.049	
AVERAGE (29-36)		0.0089	7.4		0.061		0.234		0.051	
HIGHEST VALUE OF MONTH (37-44)		0.0173	7.4		0.175		0.765		0.110	
TEST VALUE OF MONTH (45-52)		0.0039	6.7		0.022		0.057		0.022	
IF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)			0		1		5		5	

R. David Smith
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

R. David Smith
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
1-77-86

(PHONE NO.)

(CERTIFICATION NO.)

(DATE)

**INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS**

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | **N** | **0** | **0** | **3** | **2** | **4** | **2** | **5**
(1-7)
PERMIT NUMBER

0 | **0** | **1**
(8-10)
OUTFALL/
FAC. NO.

1 | **2** | **8** | **5**
(11-12)(13-14)
MO. YE.

GABRIEL LABORATORIES
ANALYSIS

ENTER:
 1-INDUSTRY
 4-FEDERAL
(68)

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	o	c 01051	o	c 70301	o	c 00547	o
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-28)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Yrly Avg. (29-36)							30 DAILY MAX.	
	Wk. Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
DATE									
1									
2									
3									
4		21.0		7.5		1096		14	
5									
6									
7									
8									
9									
10		7.5		1.55		684		1.0	
11									
12									
13									
14									
15									
16									
17		9.0		2.20		912		2.0	
18									
19									
20									
21									
22									
23									
24		10.0		0.66		932		10	
25									
26									
27									
28									
29									
30									
31		9.5		0.513		950		13	
AVERAGE (29-36)		11.4		2.485		914.8		8.0	
HIGHEST VALUE OF MONTH (37-44)		21.0		7.5		1096		14	
LOWEST VALUE OF MONTH (45-52)		7.5		0.66		684		1.0	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED. (53-54)		5		5		5		0	

R. David Steinhilber
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
1-27-86
(DATE SUBMITTED) (61-66)

L

STUDY FLOOR OF ANTIMONY AND ZINC

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
 5300 KENNEDY AVENUE
 EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
 PERMIT NUMBER

0 | 0 | 1

(8-10)
 OUTFALL/
 FAC. NO.

1 | 2 | 8 | 5

(11-12)(13-14)
 MO. YR.

GABRIEL LABORATORIES
 ANALYSIS

ENTER: 0 | 1 1-INDUSTRY
 4-FEDERAL
 (68)

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC						
EFFLUENT NO. (16-21)	SAMPLE TYPE (22-23)	Permit Cond.	24 HR	Permit Cond.	24 HR	C	Q	C	Q	
		Monitored	COMP.	Monitored	COMP.					
FREQUENCY (24-28)	EFFLUENT LIMITATIONS	Permit Cond.		Permit Cond.						
		Monitored		Monitored						
		Mo. Ave. (29-36)		Mo. Ave. (29-36)						
		Wk. Max. (37-44)		Wk. Max. (37-44)						
DATE	UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
	1									
2										
3										
4			0.134		1.636					
5										
6										
7										
8										
9										
10			0.056		0.263					
11										
12										
13										
14										
15										
16										
17			0.248		0.565					
18										
19										
20										
21										
22										
23										
24			0.177		0.280					
25										
26										
27										
28										
29										
30										
31			0.207		0.418					
AVERAGE (29-36)			0.164		0.532					
HIGHEST VALUE OF MONTH (37-44)			0.248		1.636					
LOWEST VALUE OF MONTH (45-52)			0.056		0.263					
NO. OF TIMES MAX. EFFLUENT LOCATIONS EXCEEDED (53-54)					2					

P. Hank Stahl
 (SIGNATURE OF CERTIFIED OPERATOR) (55)
 (219) 397-1012

3042

[Signature]
 (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
 1-27-86

REPORT FOR NPDES DISCHARGE PERMITS MONITORING SHEET 1 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7)
PERMIT NUMBER

0 | 0 | 1
(8-10)
OUTFALL/
FAC. NO.

0 | 1 | 8 | 6
(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORIES
ANALYSIS

ENTER:
0 | 1
(15)
3-INDUSTRIAL
4-FEDERAL

EFFLUENT CHARACTERISTICS		FLOW	PH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO.	(16-21)	Q 60050	C 00400	C 01000	Q	C 01027	Q	C 01042	
SAMPLE TYPE (22-23)	Permit Cond.		GR	-24 HR		24 HR		-24 HR	
	Monitored		GR	COMP		COMP		COMP	
FREQUENCY (24-25)	Permit Cond.			1/7		1/7		1/7	
	Monitored			1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Mo. Av. (29-36)	NONE							
	Wk. Av. (37-44)	NONE	6-9	0.1		0.02		10.02	
UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day	
DATE									
1									
2									
3									
4									
5									
6									
7		0.0018	7.6		(0.01)		0.03	0.04	
8									
9									
10									
11									
12									
13									
14	NO DISCHARGE								
15									
16									
17									
18									
19									
20									
21	NO DISCHARGE								
22									
23									
24									
25									
26									
27									
28	NO DISCHARGE								
29									
30									
31									
AVERAGE	(29-36)	0.0018			(0.01)		0.03	0.04	
HIGHEST VALUE OF MONTH	(37-44)		7.6		(0.01)		0.03	0.04	
1ST VALUE OF MONTH	(45-52)				(0.01)		0.03	0.04	
IF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED	(53-54)		0		0		1	1	

R. Sarah Steaks
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE
2-27-86 OFFICER OR AUTHORIZED AGENT

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMSK 11-1-67)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 26TH OF THE FOLLOWING MONTH.

1 | **N** | **0** | **0** | **3** | **2** | **4** | **2** | **5**

(1-7)
PERMIT NUMBER

0 | **0** | **1**

(8-10)
OUTFALL/
FAC. NO.

0 | **1** | **8** | **6**

(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORIES-
ANALYSIS

ENTER:
0 | **1** | 1-INDUSTRY
4-FEDERAL
(68)

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)		c 00951	o	c 01051	o	c 70301	o	c 00547	o
SAMPLE TYPE (22-23)	Permit Cond.	24 HR.		24 HR.		24 HR.		24 HR.	
	Monitored	COMP		COMP		COMP		COMP	
FREQUENCY (24-25)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	MAV. (29-36)							30 DAILY MAX.	
	WR. Max. (37-44)	1.5		0.3		250		20 DAILY AVE.	
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
5									
6									
7		7.0		0.10		455		5.0	
8									
9									
10									
11									
12									
13									
14		NO DISCHARGE							
15									
16									
17									
18									
19									
20									
21		NO DISCHARGE							
22									
23									
24									
25									
26									
27									
28		NO DISCHARGE							
29									
30									
31									
AVERAGE (29-36)		7.0		0.10		455		5.0	
HIGHEST VALUE OF MONTH (37-44)		7.0		0.10		455		5.0	
LOWEST VALUE OF MONTH (45-52)		7.0		0.10		455		5.0	
O. OF DAYS MAX EFFLUENT EXCEEDED (53-54)		1		0		1		0	

L. Paul Skala
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
7-37-84

349

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5

(1-7)
PERMIT NUMBER

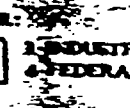
0 | 0 | 1

(8-10)
OUTFALL/
FAC. NO.

0 | 1 | 8 | 6

(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORIES
ANALYSIS

ENTER: 
0 | 1
(68)

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO.	(16-21)	C 01097	O	C 01092	O	C	O	C	O
SAMPLE TYPE (22-23)	Permit Cond.	24 HR		24 HR					
	Monitored	COMP.		COMP.					
FREQUENCY (24-28)	Permit Cond.								
	Monitored								
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wk. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
5									
6									
7		(0.01		0.05					
8									
9									
10									
11									
12									
13									
14	NO DISCHARGE								
15									
16									
17									
18									
19									
20									
21	NO DISCHARGE								
22									
23									
24									
25									
26									
27									
28	NO DISCHARGE								
29									
30									
31									
AVERAGE	(29-36)	(0.01		0.05					
HIGHEST VALUE OF MONTH	(37-44)	(0.01		0.05					
LOWEST VALUE OF MONTH	(45-52)	(0.01		0.05					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED	(53-54)								

L. David Stiel
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(SIGNATURE OF PRINCIPAL EXECUTIVE
OFFICER OF AUTHORIZED AGENT)
2 27 82

REPORT FOR NPDES DISCHARGE PERMITS

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7)
PERMIT NUMBER

0 | 0 | 1
(8-10)
OUTFALL/
FAC. NO.

0 | 2 | 8 | 6
(11-12)(13-14)
NO. YR.

MANSFIELD LABORATORIES
ANALYSIS

ENTER:
0 | 1
(50)
INDUSTRIAL
& FEDERAL

EFFLUENT CHARACTERISTICS		FLOW	pH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 50050	C 00400	C 01000	Q	C 01027	Q	C 01042	
SAMPLE TYPE (22-23)	Permit Cond.		GR	24 HR		24 HR		24 HR	
	Monitored		GR	COMP		COMP		COMP	
FREQUENCY (24-25)	Permit Cond.			1/7		1/7		1/7	
	Monitored			1/7		1/7		1/7	
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)	NONE							
	Wk. Avg. (37-44)	NONE	6-9	0.1		0.02		10.02	
UNITS		MGD	HI	LOW	mcg/l	lb/day	mcg/l	lb/day	
DATE									
1									
2									
3									
4	NO DISCHARGE								
5									
6									
7									
8									
9									
10									
11	NO DISCHARGE								
12									
13									
14									
15									
16									
17									
18	NO DISCHARGE								
19									
20									
21									
22									
23									
24									
25		0.011	7.1		(0.01)		0.02	0.02	
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		0.011	7.1		(0.01)		0.02	0.02	
HIGHEST VALUE OF MONTH (37-44)		0.011	7.1		(0.01)		0.02	0.02	
LOWEST VALUE OF MONTH (45-52)		0.011	7.1		(0.01)		0.02	0.02	
OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)			0		0		0	0	

P. David Steals
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
3-26-86

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET 2 OF 2

U.S.S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 **N** **0** **0** **3** **2** **4** **2** **5**
(1-7)
PERMIT NUMBER

0 **0** **1**
(8-10)
OUTFALL/
FAC. NO.

0 **2** **8** **6**
(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORIES
ANALYSIS

ENTER:
0 **1**
(68)
1-INDUSTRY
4-FEDERAL

EFFLUENT CHARACTERISTICS		FLUORIDE		LEAD		T. D. S.		T. S. S.	
EFFLUENT NO. (16-21)	Permit Co./h.	c 00951	q	c 01051	q	c 70301	q	c 00547	q
SAMPLE TYPE (22-23)	Monitored	24 HR.		24 HR.		24 HR.		24 HR.	
FREQUENCY (24-28)	Permit Cond.	1/7		1/7		1/7		1/7	
	Monitored	1/7		1/7		1/7		1/7	
EFFLUENT LIMITATIONS	XX Avg. (29-36)								
	Wk. Max. (37-44)	1.5		0.3		250		30 DAILY MAX.	20 DAILY AVE.
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4	NO DISCHARGE								
5									
6									
7									
8									
9									
10									
11	NO DISCHARGE								
12									
13									
14									
15									
16									
17									
18	NO DISCHARGE								
19									
20									
21									
22									
23									
24									
25		7.0		0.10		492		7	
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		7.0		0.10		492		7	
HIGHEST VALUE OF MONTH (37-44)		7.0		0.10		492		7	
LOWEST VALUE OF MONTH (45-52)		7.0		0.10		492		7	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		1		0		1		0	

R. Derek Steaks
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012
(PHONE NO.)

3042
(CERTIFICATION NO.) (56-59)

D. Bidwell
(60) (SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
3-26-86
(DATE SIGNATURE) (61-64)

12

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DNR-1 Form)
REPORT FOR NPDES DISCHARGE PERMITS

SHEET _____ OF _____

U. S. S. LEAD REFINERY, INC.
5300 KENNEDY AVENUE
EAST CHICAGO, INDIANA 46312

PLEASE COMPLETE AND SUBMIT ONE COPY AT THE END OF EACH MONTH. THIS REPORT MUST REACH THE STREAM POLLUTION CONTROL BOARD OFFICE BY THE 28TH OF THE FOLLOWING MONTH.

1 | N | 0 | 0 | 3 | 2 | 4 | 2 | 5
(1-7)
PERMIT NUMBER

0 | 0 | 1
(8-10)
OUTFALL/
FAC. NO.

0 | 2 | 8 | 6
(11-12)(13-14)
MO. YR.

MANSFIELD LABORATORIES
ANALYSIS

ENTER: 1-INDUSTRY
4-FEDERAL
0 | 1
(64)

EFFLUENT CHARACTERISTICS		ANTIMONY		ZINC					
EFFLUENT NO. (16-21)		C 01097	Q	C 01092	Q	C	Q	C	Q
SAMPLE TYPE (22-23)	Permit Cond.	24 HR		24 HR					
	Monitored	COMP.		COMP.					
FREQUENCY (24-25)	Permit Cond.								
	Monitored								
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wk. Max. (37-44)								
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4	NO DISCHARGE								
5									
6									
7									
8									
9									
10									
11	NO DISCHARGE								
12									
13									
14									
15									
16									
17									
18	NO DISCHARGE								
19									
20									
21									
22									
23									
24									
25		(0.01		0.03					
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		(0.01		0.03					
HIGHEST VALUE OF MONTH (37-44)		(0.01		0.03					
LOWEST VALUE OF MONTH (45-52)		(0.01		0.03					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)									

R. David Smith
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

3042

[Signature]
(60) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
3-26-86

PHONE NO.

CERTIFICATION NO. (SEE 60)

DATE SUBMITTED