EPA Region 5 Records Ctr.
256157

...LY MONITORING ... 1

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.

U. S. S. LEAD REFINERY, INC.
ANALYSIS.

ENTER: 8 01 (68) 1-INDUSTRY 4-FEDERAL

IN 0032425 (1-7) PERMIT NUMBER

001 (8-10) OUTFALL/FAC. NO.

1286 (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 (24-28)	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		0.02	
DATE / UNITS		MGD	HI	LOW	mg/l	lb/day	mg/l	lb/day		
1		.01900		6.4	0.013		0.564		0.063	
2										
3										
4										
5										
6										
7										
8		.00886		6.5	0.013		0.258		0.021	
9										
10										
11										
12										
13										
14										
15		.00614		7.0	0.005		0.081		0.012	
16										
17										
18										
19										
20										
21										
22		.00757		7.3	0.144		0.030		0.002	
23										
24										
25										
26										
27										
28										
29		.00514		7.5	0.006		0.027		0.004	
30										
31										
AVERAGE (29-36)		.00934			0.036		0.192		0.020	
HIGHEST VALUE OF MONTH (37-44)		.01900	7.5		0.144		0.564		0.063	
LOWEST VALUE OF MONTH (45-52)		.00514		6.4	0.005		0.027		0.002	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)					1		5		2	

REF. 4

Francis A. Zurich
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

9956

R. C. Lissum
(60)(SIGNATURE OF PRINCIPAL EXECUTI... OFFICER OR AUTHORIZED AGENT)
1/20/87

2

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR) 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	0 0 1	1 2 8 6	ENTER: 0 1
(1-7) PERMIT NUMBER	(8-10) OUTFALL/ FAC. NO.	(11-12)(13-14) MO. YR.	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	Wk. Ave. (29-36)							30 DAILY MAX.	
	Wk. Max. (37-44)	1.5		0.3		750		20 DAILY AVE.	
DATE	UNITS	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1		17.2		1.40		1156		24	
2									
3									
4									
5									
6									
7									
8		12.0		0.89		481		15	
9									
10									
11									
12									
13									
14									
15		17.6		0.15		883		18	
16									
17									
18									
19									
20									
21									
22		18.4		0.29		703		7	
23									
24									
25									
26									
27									
28									
29		15.0		0.30		957		7	
30									
31									
AVERAGE (25-36)		16.04		0.606		836		14.2	
HIGHEST VALUE OF MONTH (37-44)		18.40		1.40		1156		24	
LOWEST VALUE OF MONTH (45-52)		12.00		0.15		481		7	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		5		2		3		0	

Francis H. Zurek
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

R. C. Fiscus
(60)(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
1/20/87

9956

3

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

(DMR-3 Form)

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 25TH OF THE FOLLOWING MONTH.

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

1	N	0	0	3	2	4	2	5	0	0	1	1	2	8	6

(1-7) PERMIT NUMBER (8-10) OUTFALL/FAC. NO. (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 (24-28)	Permit Cond.								
	Monitored								
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wk. Max. (37-44)			.523					
UNITS / DATE		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1				2.525					
2									
3									
4									
5									
6									
7									
8				0.920					
9									
10									
11									
12									
13									
14									
15				1.000					
16									
17									
18									
19									
20									
21									
22				0.335					
23									
24									
25									
26									
27									
28									
29				0.365					
30									
31									
AVERAGE (29-36)				1.029					
HIGHEST VALUE OF MONTH (37-44)				2.525					
LOWEST VALUE OF MONTH (45-52)				0.335					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)				3					

NOT REQUIRED TO MONITOR ANYMORE

Francis H. Zurek
(SIGNATURE OF CERTIFIED OPERATOR) (55)

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

4

MONTHLY MONITORING 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:

IN0032425	001	1186	U. S. S. LEAD REFINERY, INC. ANALYSIS	4 01
(1-7) PERMIT NUMBER	(8-10) OUTFALL/ FAC. NO.	(11-12)(13-14) MO. YR.		(68) 1-INDUSTRY 4-FEDERAL

EFFLUENT CHARACTERISTICS		FLOW	pH		ARSENIC		CADMIUM		COPPER
EFFLUENT NO. (16-21)		Q 50050	C 00400		C01000	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. 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		.00129	6.9		0.005		0.363		0.023
4									
5									
6									
7									
8									
9									
10		.00671	6.6		0.013		0.325		0.022
11									
12									
13									
14									
15									
16									
17		.00886	6.9		0.018		0.250		0.010
18									
19									
20									
21									
22									
23									
24		.01657	7.1		0.012		0.085		0.007
25									
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		.00836			0.012		0.256		0.016
HIGHEST VALUE OF MONTH (37-44)		.01657	7.1		0.018		0.363		0.023
LOWEST VALUE OF MONTH (45-52)		.00129		6.6	0.005		0.085		0.007
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)					3		4		2

Franci H. Zurich
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

PROVISIONAL CERTIFICATE
CLASS B

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

5

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING 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 0032425	001	1186	ENTER 01
(1-7) PERMIT NUMBER	(8-10) OUTFALL/ FAC. NO.	(11-12)(13-14) MO. YR.	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	Wk. Avg. (29-36)							30 DAILY MAX.	
	Wk. Max. (37-44)	1.5		0.3		750		20 DAILY AVE.	
DATE / UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3		17.6		0.72		1448		9	
4									
5									
6									
7									
8									
9									
10		17.6		0.55		1221		10	
11									
12									
13									
14									
15									
16									
17		17.2		0.65		972		15	
18									
19									
20									
21									
22									
23									
24		12.0		0.33		545		26	
25									
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)		16.1		0.56		1047		15	
HIGHEST VALUE OF MONTH (37-44)		17.6		0.72		1448		26	
LOWEST VALUE OF MONTH (45-52)		12.0		0.33		545		9	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		4		4		3		0	

Francis H. Zurich
(SIGNATURE OF CERTIFIED OPERATOR) (55)

PROVISIONAL CERTIFICATE

R. C. Liscum
(SIGNATURE OF PRINCIPAL EXECUTIVE)

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

6

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	IN	0	0	3	2	4	2	5

(1-7) PERMIT NUMBER

0	0	1

(8-10) OUTFALL/ FAC. NO.

1	1	8	6

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

ENTER 0 1 (15) 1-INDUSTRY 4-FEDERAL

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)			.523					
DATE / UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3				1.03					
4									
5									
6									
7									
8									
9									
10				2.75					
11									
12									
13									
14									
15									
16									
17				6.84					
18									
19									
20									
21									
22									
23									
24				0.55					
25									
26									
27									
28									
29									
30									
31									
AVERAGE (29-36)				2.79					
HIGHEST VALUE OF MONTH (37-44)				6.84					
LOWEST VALUE OF MONTH (45-52)				0.55					
NO. OF TIMES NOT EFFLUENT LIMITATIONS EXCEEDED (53-54)				4					

NOT REQUIRED TO MONITOR ANYMORE

Francis H. Zurich
(SIGNATURE OF CERTIFIED OPERATOR) (55)

PROVISIONAL CERTIFICATE
CLASS B

R. C. Lacum
(56) SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)

REPORT FOR NOTES DISCHARGE PERMITS

SHEET 1 OF 2

7

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.

U. S. S. LEAD
ANALYSIS

ENTER: 8 01 (68) 1-INDUSTRY 4-FEDERAL

IN 0032425	001	1086
(1-7) PERMIT NUMBER	(8-10) OUTFALL/ FAC. NO.	(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 (24-28)	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		0.02
DATE \ UNITS		MGD	HI / LOW	mg/l	lb/day	mg/l	lb/day	
1								
2								
3								
4								
5								
6		.00571	6.1	.201		0.340		0.308
7								
8								
9								
10								
11								
12								
13		.00343	6.4	.098		0.545		0.045
14								
15								
16								
17								
18								
19								
20		.00457	6.3	0.10		0.425		0.066
21								
22								
23								
24								
25								
26								
27		.00314	6.2	<0.005		0.405		0.012
28								
29								
30								
31								
AVERAGE (29-36)		.00421		0.101		0.429		0.108
HIGHEST VALUE OF MONTH (37-44)		.00571	6.4	.201		0.545		0.308
LOWEST VALUE OF MONTH (45-52)		.00314	6.1	<0.005		0.340		0.012
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)				1		4		3

Francis H. Zurich
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

PROVISIONAL CERTIFICATE
CLASS B

R. C. Lescus
(60)(SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT)
11-18-86

INDIANA STREAM POLLUTION CONTROL BOARD MONTHLY MONITORING (DMR-1 Fe 8)
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 0032425	001	1086	ENTER: 8 01
(1-7) PERMIT NUMBER	(8-10) OUTFALL/ FAC. NO.	(11-12)(13-14) MO. YR.	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	Mon. Avg. (29-36)							30 DAILY MAX.	
	Wk. Max. (37-44)	1.5		0.3		750		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		16.8		2.25		1822		7	
7									
8									
9									
10									
11									
12									
13		16.8		1.05		1470		11	
14									
15									
16									
17									
18									
19									
20		19.2		1.25		2485		4	
21									
22									
23									
24									
25									
26									
27		15.6		0.70		2118		18	
28									
29									
30									
31									
AVERAGE (29-36)		17.1		1.31		1974		10	
HIGHEST VALUE OF MONTH (37-44)		19.2		2.25		2485		18	
LOWEST VALUE OF MONTH (45-52)		15.6		0.70		1470		4	
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)		4		4		4		0	

Francis H. Zurich
(SIGNATURE OF CERTIFIED OPERATOR) (55)
(219) 397-1012

PROVISIONAL CERTIFICATE
CLASS B

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

11-18-86

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

9

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: 8 ~~0 1~~ (68) 1-INDUSTRY 4-FEDERAL

IN 0032425	001	1086
(1-7) PERMIT NUMBER	(8-10) OUTFALL/ FAC. NO.	(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 (24-28)	Permit Cond.								
	Monitored								
EFFLUENT LIMITATIONS	Mo. Avg. (29-36)								
	Wk. Max. (37-44)			.523					
DATE / UNITS		mg/l	lb/day	mg/l	lb/day	mg/l	lb/day	mg/l	lb/day
1									
2									
3									
4									
5				4.66					
6									
7									
8									
9									
10									
11									
12									
13				3.39					
14									
15									
16									
17									
18									
19									
20				3.86					
21									
22									
23									
24									
25									
26									
27				2.75					
28									
29									
30									
31									
AVERAGE (29-36)				3.67					
HIGHEST VALUE OF MONTH (37-44)				4.66					
LOWEST VALUE OF MONTH (45-52)				2.75					
NO. OF TIMES MAX. EFFLUENT LIMITATIONS EXCEEDED (53-54)				4					

NOT REQUIRED TO MONITOR ANYMORE

Francis H. Zurich
(SIGNATURE OF CERTIFIED OPERATOR) (55)

PROVISIONAL CERTIFICATE
CLASS B

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