

**PRC Engineering**

**prc**

Planning Research Corporation

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LEAD  
LEAD

**U.S.S. LEAD REFINERY, INC.**

**(IND 047 030 226)**

**U.S. EPA REGION 5**

**LOSS OF INTERIM STATUS INSPECTION**

**REPORT-CHECKLIST**

Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
Office of Waste Programs Enforcement  
Washington, D.C. 20460

Work Assignment No. : 507  
EPA Region : V  
Site No. : IND 047 030 226  
Date Prepared : September 18, 1986  
Contract No. : 68-01-7037  
PRC No. : 15-5070-00  
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IN ANTICIPATION OF LITIGATION**

**ENFORCEMENT  
CONFIDENTIAL**

# INSPECTION CHECKLIST

## LOIS INSPECTIONS - REGION 5

Facility Name: U.S.S Lead Refinery, Inc.

Site I.D.: IND 047 030 226

Inspection Date: March 11, 1986 and July 8, 1986

Inspector(s): Ed Schuessler and Jean Desruisseaux

<u>Completed</u>	<u>Not Required</u>	<u>Item</u>	<u>Page</u>
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GENERAL INFORMATION

Facility I.D. Number: IND 047 030 226

Facility Name: U.S.S. Lead Refinery, Inc.

Facility Contact (Name and Title): Derek Steels, Plant Manager

Facility Contact (Phone): 219/397-1012

Facility Mailing Address:

(Street) 5300 Kennedy Ave.

(City) East Chicago

(State) Indiana

(Zip) 46312

Facility Location:

(Street) 5300 Kennedy Ave.

(City) East Chicago

(County) Lake

(State) Indiana

(Zip) 46312

NOTES, OTHER OBSERVATIONS AND RECOMMENDATIONS

PRC inspectors arrived at U.S.S. Lead Refinery at 11:30 am on March 11, 1986 and spoke with Mr. Derek Steels concerning the LOIS inspection. Mr. Steels stated that Mr. Richard Liscum (219/397-1012), who was the only person who could help, was sick and not at the plant. He said that he would tell Mr. Liscum that PRC inspectors visited the site. He also stated that Mr. Liscum would cooperate with the inspectors and would show them the files. The inspectors left the facility at 11:45 am.

PRC inspector, Mr. Ed Schuessler, returned to the facility on July 8, 1986. Mr. Steels and Mr. Liscum stated that the facility ceased operations on December 12, 1985. The entire facility is shut down and is in a state of complete despair.

Currently, two hazardous waste piles are on the site. Both facility contacts are aware that the wastes must be shipped off-site to a permitted hazardous waste landfill for disposal. However, they informed the inspector that this was impossible because the company was bankrupt. One waste pile is in a building which is identified as the "Tank House" on the facility map (Document R4).

According to Mr. Steels and Mr. Liscum, this material is flue dust which contains lead and is classified as hazardous. The waste pile has occupied this location since 1980. Prior to 1980, the waste pile was located outside near area "A".

The pile was moved into the tank house in 1980. Mr. Steels informed the inspector that U.S. EPA took soil samples from the old waste pile locations after the move.

He did not know the results of the test. The other waste pile contains calcium sulfate. This pile is approximately 200 feet x 20 feet x 7 feet and sits outside concrete pad north of the "Tank House".

Site ID Number IND 047 030 226

## LIST OF SITE CONTACTS

	Name	Title	Telephone
1.	<u>Derek Steels</u>	<u>Plant Manager</u>	<u>219/397-1012</u>
2.	<u>Richard Lisum</u>		<u>219/397-1012</u>
3.			
4.			
5.			
6.			
7.			

LIST OF SITE DOCUMENTS

1. Title Part A Application  
Author D. J. Bidwell, U.S.S. Lead Refinery, Inc. (U.S.S. Lead)  
Date November 17, 1980 Number of Pages 7
2. Title Waste Pile Closure Plan  
Author Donald J. Bidwell, U.S.S. Lead  
Date August 13, 1982 Number of Pages 2
3. Title Uniform Hazardous Waste Manifests  
Author D. J. Bidwell, U.S.S. Lead  
Date 1985 and 1986 Number of Pages 5
4. Title Site Map  
Author unknown  
Date unknown Number of Pages 1
5. Title \_\_\_\_\_  
Author \_\_\_\_\_  
Date \_\_\_\_\_ Number of Pages \_\_\_\_\_

LIST OF INSPECTED WASTE MANAGEMENT UNITS

U.S. EPA Process Code/Unit	Field Observations
1. <u>S03</u>	<u>This is a flue dust waste pile.</u> <u>It is enclosed in a warehouse</u> <u>identified as "Tank House" on the</u> <u>facility map and appears to be</u> <u>sheltered from wind and rain.</u> <u></u> <u></u>
2. <u>S03</u>	<u>This is a calcium sulfate waste pile.</u> <u>This pile sits outside on a concrete</u> <u>pad north of the "Tank House".</u> <u></u> <u></u> <u></u>
3. <u></u>	<u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u>

Site ID Number IND 047 030 226

**LIST OF INSPECTED WASTE MANAGEMENT UNITS - Continued**

U.S. EPA  
Process  
Code/Unit

Field Observations

4. \_\_\_\_\_

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5. \_\_\_\_\_

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6. \_\_\_\_\_

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**CODES FOR COMPLETING QUESTIONNAIRE****INSTRUCTIONS:**

All questions must be answered with at least one of the codes listed below. Questions answered with an "I" (insufficient information) require further explanation. In these cases, or whenever additional information needs to be reported, write notes in the "Remarks" area provided at the bottom of each questionnaire page or on a separate sheet of paper (extra sheets of paper should be numbered and inserted into the work sheets using the number of the preceding page and a lower case letter -- for example, p. H-5a). Also note that when parentheses are used around a blank, the information should be filled in before the interview.

**Codes for Answering  
Questions**

Y

Yes

N

No

NA

Question not applicable

I

Insufficient information; need explanation

**Process Codes****Usage**

S01

Container storage

S02

Tank storage

S03

Waste pile storage

S04

Surface impoundment storage

D79

Injection well disposal

D80

Landfill disposal

D81

Land application disposal

D83

Surface impoundment disposal

T01

Tank treatment

T02

Surface impoundment treatment

H-1

Process Codes

T03

T04

Usage

Incineration

Other physical, chemical, thermal, or biological treatment processes not using tanks, surface impoundments, or incinerators

Closure  
Status Code

CPS

CPA

CPI

CC

Usage

Closure Plan has been submitted (obtain a copy of the plan or transmittal letter)

Closure Plan has been examined and approved by the responsible agency (obtain a copy of the approval letter)

Approved Closure Plan submitted to the EPA is now being implemented

The facility has completed closure in a manner acceptable to the responsible agency and in accordance with the Closure Plan (obtain a copy of the certification letter)

Note: Anytime a closure status code is used, a verification code is required.

Verification Code

F

R(#)

I(#)

Usage

Verified by field inspection

Verified by review of a document; use List of Documents (see p.F-1) to supply document number in parentheses

Verified by interview; use List of Site Contacts (see p.E-1) to supply interviewee number in parentheses

Example No. 1: Y. R(2); the answer to the question is affirmative and was verified by reviewing site document number 2.

Example No. 2: N. I(1); the answer to the question is negative and was verified by interviewee number 1.

PRC Inspector: Ed Schuessler  
Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

**ANSWER AND  
VERIFICATION  
CODE**

**INSPECTION QUESTIONNAIRE**

- 1) Is this facility presently owned or operated by (owner- U.S.S. Lead Refinery, Inc. /operator- U.S.S. Lead Refinery, Inc.)? Y.I (2)

Yes - Skip to question 3.

No - Write the name of the present owner below and continue to the next question.

Name of the present owner \_\_\_\_\_

Note: The facility ceased operation on December 13, 1985.

- 2) Was a revised Part A application sent to the U.S. EPA 90 days prior to the change of ownership/operator? NA

Yes - In the space provided below, write the name of the person who signed the Part A owner/operator certification and the date signed (this information is found on page(s) 4 of 5 of the application).  
Skip to question 4.

No - Skip to question 4.

Owner Certification was signed by \_\_\_\_\_  
on - - -.

Operator Certification was signed by \_\_\_\_\_  
on - - -.

- 3) Is the most recent Part A application in your possession certified by ( D.J. Bidwell ) and signed on ( 11-17-80 )? Y.I (2)

Yes - Continue to the next question.

No - In the space provided below, write the name of the person who certified the most recent Part A and the date signed. Obtain a copy of the most recent Part A, then continue to the next question.

Owner Certification was signed by \_\_\_\_\_  
on - - -.

Operator Certification was signed by \_\_\_\_\_  
on - - -.

PRC Inspector: Ed Schuessler  
Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

- 4) Is hazardous waste presently generated, disposed of, stored, treated, or received at this facility?

Y.I (2)

Yes - Continue to next question.

No - In the space provided below, list the status of any closed hazardous waste operations, obtain a copy of all pertinent closure documents, and visit the closed units; then skip to question 16.

<u>General Description of Unit Process</u>	<u>U.S.EPA Process Code</u>	<u>Closure Status</u>
<hr/>	( <hr/> )	<hr/>
<hr/>	( <hr/> )	<hr/>
<hr/>	( <hr/> )	<hr/>
<hr/>	( <hr/> )	<hr/>
<hr/>	( <hr/> )	<hr/>
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>

Remarks: Flue dust and calcium sulfate (both containing lead) are stored in  
two separate waste piles.

PRC Inspector: Ed Schuessler  
Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

- 5) Does this facility have any inactive landfills, surface impoundments, waste piles, or land treatment sites?

N.I (2)

Yes - In the space provided below, list the status of any inactive hazardous waste operation, obtain a copy of all pertinent closure documents, and visit the closed units.

No - Continue to the next question.

<u>General Description of Unit Process</u>	<u>U.S.EPA Process Code</u>	<u>Closure Status</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks: The two facility contacts answered "No" to this question and other  
questions concerning waste piles. PRC believes that they answered no because  
they do not understand the regulatory definition of "waste pile."

PRC Inspector: Ed Schuessler  
Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

6) Is hazardous waste being generated at this facility?

N.I (1 & 2)

Yes - Continue to the next question.

No - Continue to the next question.

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

7) In the past, was hazardous waste other than those listed in  
Question No. 6 generated at this facility?

Y.I (1 & 2)

Yes - Continue to next question.

No - Continue to next question

Remarks: The facility generated flue dust and calcium sulfate both  
containing lead. Also battery rubber chips were listed as hazardous  
waste on the Part A Application.  
\_\_\_\_\_

PRC Inspector: Ed Schuessler  
Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

- 8) Is hazardous waste being stored in surface impoundments (S04) or waste piles (S03) at this facility?

Y.I (2)

Yes - In the space provided below, list storage unit currently being used and EPA process codes; continue to the next question.

No - Continue to the next question.

<u>General Description of Waste Storage Unit</u>	<u>EPA Process Code</u>
<u>Calcium sulfate waste pile</u>	<u>S03</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>
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<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Remarks: The facility tried to remove this waste pile in the winter but  
stated that it was too hard (like concrete) to move. The contact does not  
consider the second waste pile, which contains flue dust, in the  
"Tank house" a waste pile because it is enclosed.

RCRA Site I.D. IND 047 030 226

Y.I (2)

**No - Continue to the next question.**

[illegible]

Remarks: The disassembled battery tops and bottom cases were stored in a  
waste pile but were removed several years ago.



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Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

- 10) Is hazardous waste being treated in surface impoundments (T02)  
at this facility?

N.I (2)

Yes - In the space provided below, list the active surface  
impoundments and indicate whether or not the end product  
is considered hazardous by the facility. Continue to  
the next question.

No - Continue to the next question.

Active Impoundments

Hazardous End Product  
(Yes or No)

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Remarks: \_\_\_\_\_  
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PRC Inspector: Ed Schuessler  
Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

- 11) In the past, was hazardous waste treated in surface impoundments (T02) at this facility other than those listed in Question No. 10?

N.I (2)

Yes - Complete the information requested below; list the inactive surface impoundments and indicate whether or not the end product is considered hazardous by the facility; obtain pertinent closure documents; and inspect the closed units.  
Continue to next question.

No - Continue to next question.

Inactive Impoundments

Hazardous End Product  
(Yes or No)

Closure Status

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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_____	_____	_____
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_____	_____	_____

Remarks: Battery acid was sent to on-site blast furnace for disposal.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PRC Inspector: Ed Schuessler  
Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

12) Are hazardous wastes being shipped from this site?

N.I (2)

Yes - Complete the information requested below; obtain a copy of the first manifest after the closure of the land-based waste management unit(s) (if available); skip to question 14.

No - Continue to the next question.

<u>Type of Wastes</u>	<u>First Shipping Date</u>	<u>Manifest Availability (Yes or No)</u>
<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>
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Remarks: 

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Inspection Date: July 8, 1986

RCRA Site I.D. IND 047 030 226

- Y,I (1 & 2)

**Yes - Complete the information requested below; obtain a copy of the first manifest after closure of the land-based waste management unit(s) and the last manifest (if available); and continue to the next question.**

No - Continue to the next question.

[illegible]

Remarks: \_\_\_\_\_

PRC Inspector: Ed Schuessler  
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RCRA Site I.D. IND 047 030 226

- 14) Is hazardous waste being disposed of in landfills (D80),  
disposed of in surface impoundments (D83), or being land  
applied (D81) at this facility?

N.I (2)

Yes - In the space provided below, list the active disposal units  
and EPA process code; continue to the next question.

No - Continue to the next question.

Active Disposal Units

U.S. EPA  
Process Code

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Remarks: \_\_\_\_\_  
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SUMMARY REPORT

Facility Name: U.S.S. Lead Refinery, Inc.

PART A APPLICATION STATUS

Submitted	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Additions	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Deletions	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

3007 U.S. EPA REQUEST LETTER

Received	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Response	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

LOIS CERTIFICATION

Submitted	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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CLOSURE PLAN

(Place number of waste management units in the appropriate box)

Submitted	<input type="text" value="1"/>	Yes	<input type="text"/>	No
Approved	<input type="text"/>	Yes	<input type="text" value="1"/>	No
Implemented	<input type="text"/>	Yes	<input type="text" value="1"/>	No
Certified Closure	<input type="text"/>	Yes	<input type="text" value="1"/>	No

**SUMMARY REPORT (Continued)**

**CURRENT RCRA ACTIVITIES**

Waste Generator	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Waste Storage	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Waste Land Disposal	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Waste Transporter	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Land-Based Waste Treatment	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Waste Treatment other than Land Disposal	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No

Additional Remarks: \_\_\_\_\_

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