Y-12

OAK RIDGE Y-12 PLANT

LOCKHEED MARTIN

Revised Emergency Planning and Community
Right-to-Know Act (EPCRA), Section 313,
Toxic Chemical Release Reporting for
Calendar Year 1998

January 2000

R. A. Evans
Environment, Safety, and Health Organization
Y-12 Plant

Prepared by the
Oak Ridge Y-12 Plant
Oak Ridge, Tennessee 37831
managed by
Lockheed Martin Energy Systems, Inc.
for the
U.S. DEPARTMENT OF ENERGY
Under Contract No. DE-AC05-84-OR21400

MANAGED BY
LOCKHEED MARTIN ENERGY SYSTEMS, INC.
FOR THE UNITED STATES
DEPARTMENT OF ENERGY

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United States
Environmental Protection
Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986,
also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this
is a revision

X

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1998

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
☐ Yes (Answer question 2.2; Attach substantiation forms) ☒ No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy ☐ Sanitized ☒ Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: R. D. DEMPSEY ACTING DIRECTOR, TECHNICAL SUPPORT DIVISION

Signature: _____ Date Signed: 01/31/2000

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number 37831-SDKRD-BEARC

Facility or Establishment Name U.S. DOE Y-12 PLANT

Facility or Establishment Name or Mailing Address (if different from street address)

Street BEAR CREEK ROAD

Mailing Address POST OFFICE BOX 2001

City/County/State/Zip Code OAK RIDGE ANDERSON TN 37831-2001

City/County/State/Zip Code OAK RIDGE TN 37831-2001

4.2 This report contains information for:
(Important: check a or b; check c if applicable) a. ☐ An entire facility b. ☒ Part of a facility c. ☒ A Federal facility

4.3 Technical Contact Name RICHARD MARTIN Telephone Number (include area code) (865) 576 - 9428

4.4 Public Contact Name WALTER PERRY Telephone Number (include area code) (865) 576 - 0885

4.5 SIC Code (s) (4 digits) a. 3499 b. 2819 c. 3356 d. 3369 e. 9511 f. NA

4.6 Latitude Degrees 035 Minutes 59 Seconds 09 Longitude Degrees 084 Minutes 15 Seconds 20

4.7 Dun & Bradstreet Number(s) (9 digits) a. NA b. NA

4.8 EPA identification Number (RCRA I.D. No.) (12 characters) a. TN3890090001 b. NA

4.9 Facility NPDES Permit Number(s) (9 characters) a. TN0002968 b. NA

4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits) a. NA b. NA

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company NA U.S. DEPARTMENT OF ENERGY

5.2 Parent Company's Dun & Bradstreet Number NA ☒

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION.

TRI Facility ID Number
 37831-SDKRD-BEARC
 Toxic Chemical, Category or Generic Name
 LEAD

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 007439921
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) LEAD
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive) NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	Manufacture the toxic chemical:	3.2	Process the toxic chemical:	3.3	Otherwise use the toxic chemical:
a. ☐ Produce b. ☐ Import If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity		a. ☐ As a reactant b. ☐ As a formulation component c. ☐ As an article component d. ☐ Repackaging		a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

		A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions NA ☐	1	O	
5.2	Stack or point air emissions NA ☐	10	E	
5.3	Discharges to receiving streams or water bodies (enter one name per box)			
Stream or Water Body Name				
5.3.1	EAST FORK POPLAR CREEK	840	M	000.00
5.3.2				
5.3.3				
5.4.1	Underground Injection onsite to Class I Wells NA ☒	NA		
5.4.2	Underground injection onsite to Class II-V Wells NA ☒	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box and indicate the Part II, Section 5.3 page number in this box.

1 (example: 1,2,3, etc)

1

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

37831-SDKRD-BEARC

Toxic Chemical, Category, or Generic Name

LEAD

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

	NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5 Disposal to land onsite			
5.5.1A RCRA Subtitle C landfills	☒	NA	
5.5.1B Other landfills	☐	320	O
5.5.2 Land treatment/application farming	☒	NA	
5.5.3 Surface impoundment	☒	NA	
5.5.4 Other disposal	☐	0	O

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
7	M

6.1.B. 1	POTW Name	DEPARTMENT OF PUBLIC WORKS					
POTW Address		POST OFFICE BOX 1					
City	OAK RIDGE	State	TN	County	ANDERSON	Zip	37830-

6.1.B. 2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages

in this box and indicate the Part II, Section 6.1 page number in this box (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	Off-Site EPA Identification Number (RCRA ID No.)	TXD055141378					
Off-Site Location Name		SAFETY-KLEEN (DEER PARK), INC.					
Off-Site Address		2027 BATTLEGROUND ROAD					
City	DEER PARK	State	TX	County		Zip	77536-
Is location under control of reporting facility or parent company?						☐ Yes	☒ No

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

37831-SDKRD-BEARC

Toxic Chemical, Category or Generic Name

LEAD

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 400	1. O	1. M72
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 Off-Site EPA Identification Number (RCRA ID No.)

NCD000648451

Off-Site location Name

SAFETY-KLEEN (TS), INC.

Off-Site Address

208 WATLINGTON INDUSTRIAL DR.

City

REIDSVILLE

State

NC

County

Zip

27320-

Is location under control of reporting facility or parent company?

☐ Yes☒ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 960	1. O	1. M72
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☒

Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence (enter 3-character code(s))	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	7A.1c	7A.1d	7A.1e
NA	3 4 5 6 7 8		%	Yes No
7A.2a	7A.2b	7A.2c	7A.2d	7A.2e
	3 4 5 6 7 8		%	Yes No
7A.3a	7A.3b	7A.3c	7A.3d	7A.3e
	3 4 5 6 7 8		%	Yes No
7A.4a	7A.4b	7A.4c	7A.4d	7A.4e
	3 4 5 6 7 8		%	Yes No
7A.5a	7A.5b	7A.5c	7A.5d	7A.5e
	3 4 5 6 7 8		%	Yes No

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box

2

and indicate the Part II, Section 6.2/7A page number in this box :

1

(example: 1,2,3, etc)

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

37831-SDKRD-BEARC

Toxic Chemical, Category or Generic Name

LEAD

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 3 Off-Site EPA Identification Number (RCRA ID No.)

SCD070375985

Off-Site location Name

SAFETY-KLEEN (PINWOOD), INC.

Off-Site Address

ROUTE 1, BOX 255

City

PINWOOD

State

SC

County

Zip

29125-

Is location under control of reporting facility or parent company?

☐ Yes☒ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 6569	1. O	1. M72
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	7A.1c	7A.1d	7A.1e
	1 2 3 4 5 6 7 8			Yes No
			%	☐ ☐
7A.2a	7A.2b	7A.2c	7A.2d	7A.2e
	1 2 3 4 5 6 7 8			Yes No
			%	☐ ☐
7A.3a	7A.3b	7A.3c	7A.3d	7A.3e
	1 2 3 4 5 6 7 8			Yes No
			%	☐ ☐
7A.4a	7A.4b	7A.4c	7A.4d	7A.4e
	1 2 3 4 5 6 7 8			Yes No
			%	☐ ☐
7A.5a	7A.5b	7A.5c	7A.5d	7A.5e
	1 2 3 4 5 6 7 8			Yes No
			%	☐ ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box and indicate the Part II, Section 6.2/7A page number in this box :

2

(example: 1,2,3, etc)

2

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number

37831-SDKRD-BEARC

Toxic Chemical, Category or Generic Name

LEAD

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

Not Applicable (NA) -

Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods (enter 3-character code(s))

1

NA

2

3

4

SECTION 7C. ON-SITE RECYCLING PROCESSES

Not Applicable (NA) - Check here if no on-site recycling is applied to any waste

stream containing the toxic chemical or chemical category.

Recycling Methods (enter 3-character code(s))

1.

NA

2.

3.

4.

5.

6.

7.

8.

9.

10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	1382	2540	3000	3000
8.2	Quantity used for energy recovery onsite	0	0	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	2	0	0	0
8.7	Quantity treated offsite	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			6569	
8.9	Production ratio or activity index			0000.98	
8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year ? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.				
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)			
8.10.1	NA	a.	b.	c.	
8.10.2		a.	b.	c.	
8.10.3		a.	b.	c.	
8.10.4		a.	b.	c.	
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)			YES ☐ NO ☒	

** Report releases pursuant to EPCRA Section 325(a) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.