

3630 CA.08-4

CA.8 E C  
OK  
CA

MEMORANDUM

TO: FILE

DATE 7/29/87

FROM: M. LAU

SUBJECT: Elimination Recommendation

SITE NAME: Electro Circuits, Inc ALTERNATE NAME: \_\_\_\_\_

CITY: 425 East Green St, Pasadena STATE: CA

OWNER(S)

Past: \_\_\_\_\_ Current: \_\_\_\_\_  
Owner contacted  yes  no; if yes, date contacted \_\_\_\_\_

TYPE OF OPERATION

- Research & Development
- Production scale testing
- Pilot Scale
- Bench Scale Process
- Theoretical Studies
- Sample & Analysis
- Production
- Disposal/Storage
- Facility Type
- Manufacturing
- University
- Research Organization
- Government Sponsored Facility
- Other \_\_\_\_\_

TYPE OF CONTRACT

- Prime
- Subcontractor
- Purchase Order
- Other information (i.e., cost + fixed fee, unit price, time & material, etc) \_\_\_\_\_

Contract/Purchase Order # Purchase Order 4X-2131 under du Pont prime contract AT(07-2)-1

CONTRACTING PERIOD: 1953 - 1956

OWNERSHIP:

	AEC/MED OWNED	AEC/MED LEASED	GOVT OWNED	GOVT LEASED	CONTRACTOR OWNED	CONTRACTOR LEASED
LANDS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUILDINGS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EQUIPMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ORE OR RAW MATL	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
FINAL PRODUCT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WASTE & RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The uranium used for the development of the ultrasonic equipment was loaned to Electro Circuits by the AEC.

AEC/MED INVOLVEMENT AT SITE

**Control**

- AEC/MED managed operations
- AEC/MED responsible for accountability
- AEC/MED overviewed operations
- Contractor had total control
- unknown

**Health Physics Protection - unknown**

- Little or None
- AEC/MED responsibility
- Contractor responsibility

MATERIALS HANDLED:

Type (on basis of records reviewed)

- No Radioactive
- Natural Radioactive from Feed Materials Production
  - Ore
  - Refined Source Material
  - Residue
- Natural Radioactive Material from Non-Nuclear Activities
- Man-Made
- Other URANIUM METAL INGOTS

Comment \_\_\_\_\_  
\_\_\_\_\_

Quantities (on the basis of records reviewed)

- None  Production Quantities
- Small Amounts

Comment 296.4 lbs of uranium in the form of 2 ingot sections (8" long and 5" in diameter) and 4 slabs (5" x 5" x 1")

OTHER PERTINENT FACTS:

- Facility was Licensed
  - During AEC/MED-Related Operations
  - For Similar Activities
  - For Other Activities

Comment \_\_\_\_\_  
\_\_\_\_\_

Commercial Production Involving Radioactive Material during AEC/MED Operations

Facility was Decontaminated and Released

Availability of Close Out Records

- None  Some  Sufficient

**Radioactive Status:**

	YES	MAYBE	PROBABLY	NOT
Contaminated Potential for Exposure (accessible)	---	---	<u>NOT</u> <u>X</u>	---
	---	---	<u>X</u>	---

QUANTITY OF RECORDS AVAILABLE:

- Very Little
- Some
- Sufficient

PROBABILITY OF FINDING ADDITIONAL RECORDS:

- Low
- Possible
- High

RECOMMENDATIONS:

- Eliminate
- Consider for Remedial Action
- Collect More Data

Comment Available information indicates that the uranium was used for the testing and development of ultrasonic equipment.

REFERENCES: SEE Attached Data Base Listing  
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SUMMARY

Electro Circuits Corporation developed ultrasonic equipment under a subcontract to du Pont (Purchase order AX-2131). In order for tests (which AEC representatives observed) to take place from December 8-10, 1952 (CA.8 11/26/52), the AEC loaned Electro Circuits 296.4 lbs of uranium and 2 gallons of triple distilled mercury. The uranium was originally to be returned by January 9, 1953. The loan period was extended, and Electro Circuits was made an accountability station. On September 1, 1953 Electro Circuits filed a patent information sheet with the AEC Patent Branch describing development of a wide band converter able to read stamped numbers on metal through a .2" layer of aluminum (CA.8 9/1/53). The 296.4 lbs of uranium were not returned until the first half of FY 1956, approximately 3 years later (3.3 11/27/56 Documented as .1 ton). Because it appears the uranium was used for <sup>only</sup> the ultrasonic equipment ~~was tested on the uranium~~, it is recommended that this site be eliminated from FUSRAP consideration.

uranium was used for

ELECTRO CIRCUITS

HISTORICAL LISTING

FILE	REC# BOX	DATE	FROM	TO	SUBJECT
CA.8	1743 2/90	02/26/53	MEYERSON, C.	PATENT BRANCH	PATENT INFORMATION SHEET FOR ELECTRO CIRCUITS
CA.8	3002 65/31	11/26/52	PARSEGIAN, V.AEC	BELMORE, F.	ULTRASONIC INGOT TESTS
3.19LAD	3038 70/15	05/08/53	PARSEGIAN, V.NYDO	NELSON, R.	LOAN OF TRIPLE DISTILLED MERCURY (LOAN OF 2 GALLONS OF MERCURY BY ELECTRO CIRCUITS)
CA.8	3040 48/21	06/05/53	HOCHSCHILD, R.	PARSEGIAN, V.	ACCOUNTABILITY FOR URANIUM AT ELECTRO CIRCUITS
CA.8	3057 48/1	07/23/53	PARSEGIAN, V.	MUSSER, D.	TRANSFER OF URANIUM ACCOUNTABILITY FROM NYDO TO ELECTRO CIRCUITS, INC.
3.19LAD	3550 431	07/15/54	MILLER, D.DUPONT	VINCIGUERRA, J.	CONSULTANTS AND VENDORS FOR WHOM DUPONT HAS REQUESTED "B" CLEARANCES
3.3	3680 2A	11/27/56	SAPIRIE, S.DRD	BLOCH, E.	NORMAL URANIUM SCRAP PROCESSING FY 1956 AND 57