



CABLE ADDRESS:
"NUCLEARAM, N. Y."

Nuclear Corporation of America

3540 West Osborn Road
Phoenix, Arizona
BRowning 2-1341

December 20, 1961

DOCKET NO. 27-7

Mr. Lyall Johnson
Assistant Director for
Materials Licensing
Division of Licensing and Regulation
United States Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Johnson:

Regarding your letter of December 7, docket No. 27-7, in which you request us to either supply detailed supporting information, or to request the termination of license No. 4-580-6, we hereby notify you that it is our request to withdraw the renewal application and, therefore, terminate the license per your request.

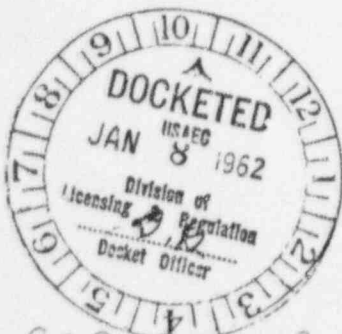
Thank you very much for your contact on this matter.

Very truly yours,

William G. Arthur
William G. Arthur
Assistant Secretary

WGA:slh

9701270056 970110
PDR FOIA
SIEFERT96-448 PDR



9701270056 APP 1961

U. S. ATOMIC ENERGY COMMISSION

PAGE ONE

APPLICANT **Isotopes Specialties Company**DOCKET NO. **27-7****Rurbank, California**

DOCUMENTS

DATE DOCKETED

DESCRIPTION

5/23/57- Memo to Isotopes Files- Pre-licensing visit to Isotopes Specialties Co., for renewal of license-

11/7/57- Memo to Isotopes Files- re visit to Isotopes Specialties Co.

11/8/57- Telephone call to Mr. Goldstein re additional information-

11/14/57- Memo to Mr. Fowler- Div of Civilian Application- enclosing a copy of application from Isotopes Specialties-

11/20/57- Memo to Mr. Fowler enclosing requested & supporting information-

11/26/57- Memo to Office of the General Counsel- Federal Register Notice-

11/26/57- NOTICE OF APPLICATION FOR LICENSE FOR WASTE DISPOSAL, ISOTOPE SPECIALTIES COMPANY 27-7-

12/3/57- Ltr to Mr. Kennedy, The Federal Register- attaching for publication- Docket No. 27-7-

12/10/57- Memo to Mason fm Rogers- attaching memo of the Notice of receipt of application-

12/24/57- Memo to Rogers- Transmittal of info related to Isotopes Specialties Co. and proposed License No. 4-5880-6-

1/17/58- Memo to Rogers fm Mason- enclosing proposed lic.

2/27/58- Ltr to Mr. Goldstein- enclosing copy of notice

2/27/58- Ltr to Mr. Merrill State Dept of Public Health (Calif) informing that the proposed issuance of HML has been submitted to the Federal Register-

2/27/58- Ltr to Governor Knight- sending copy of notice-

2/27/58- Ltr to Webb Dept of Industrial Relations- re action

U. S. ATOMIC ENERGY COMMISSION

PAGE TWO

APPLICANT	Isotope Specialties Company	DOCKET NO.	27-7
	Burbank, California		

DOCUMENTS

DATE DOCKETED	DESCRIPTION
	3/4/58- Ltr to Mr. Kennedy- Federal Register- attaching for publication in Federal Register as a Notice of 27-7-
	3/6/58- Memo to the Commissioners on proposed license for disposal of waste materials at sea.
	3/21/58- Telephone call to Mr. Nelson fm Dick Smith- re that Seth Gordon was protesting the granting of lic to Isotope Specialties Co.-
	3/26/58- Telegram to Mr. Mason fm USARC Oakland, Calif. fm Smith re our talcon-low level radioactive wastes-
	3/28/58- Memo to McCool- attaching letters fm the Dept of Fish & Game, and Yankee Inc., for circulation to the Commissioners.
	3/31/58- Ltr to Mr. Robb Sagendorph, Yankee, Inc., ask receipt of his ltr.
	3/31/58- Ltr to Mr. Goldstein- sending him copies of ltrs of protest-
	4/2/58- Ltr to Miss MacDonald- in reply to her telegram in re to the proposed issuance of an AEC lic to Isotope Specialt
	4/7/58- Ltr to Mr. Gordon- Dept of Fish & Game- ask receipt of his letter-
	4/7/58- Memo to H. Mann fm Smith SF00- Disposal of radioactive wastes by burial in the ocean-
	4/8/58- Note by the Secretary- attaching info of the Commission are ltrs fm Department of Fish & Game and Yankee, Inc., objecting to the proposed issuance of lic to Isotope Specialties-
	4/14/58- Ltr to Mr. Goldstein- enclosing copy of ltr fm Yankee, Inc.

APPLICANT	Isotopes Specialties	DOCKET NO. 27-7
	Burbank, California	
DOCUMENTS		
DATE DOCKETED	DESCRIPTION	
	<p>4/23/58- Memo to McCool, Secretary fm Price- info paper on application of Isotopes Specialties for license-</p> <p>4/23/58- Memo to L. D. Low fm Rogers- Yankee, Inc., re disposal of radioactive waste in California waters-</p> <p>4/24/58- Memo to Mason fm Rogers- Yankee, Inc., re disposal of radioactive waste in California waters-</p> <p>4/28/58- Telephone Call to Mr. Morse the Office of Congressman inquiry fm a newspaper man on the limitations for the control of waste disposal in the ocean-</p> <p>4/28/58- Report to the General Manager by the Director of L&R to inform the Commission of views expressed by the State of Calif and others on disposal of radioactive wastes in coastal waters-</p> <p>4/23/58- Memo to Mr. Price fm M. Mann- re Radioactive Waste Disposal in Coastal Waters off the State of California-</p> <p style="padding-left: 40px;">Encl: Copy of memo fm Smith SF00 to M&M Copy of Joint Resolution No. 9 Copy San Francisco Chronicle's Article dtd 4/23/5</p> <p>5/5/58- Memo to Mason fm Rogers- Ltr attached fm Calif Fish Commers Association, Inc.</p> <p>5/8/58- Ltr to Mr. Goldstein- enclosing ltr fm Dept of Fish and Game-</p> <p>5/8/58- Note by the Acting Secretary- attaching report by the Director of L&R to be circulated for the info of the Commission</p> <p>5/9/58- Memo to Files fm Morgan- attached draft to Mr. Bains, California re waste disposal in Pacific Ocean-</p> <p>5/14/58- Memo to McCool fm Price- Information paper on Isotopes Specialties Co., ---- letters objecting to issuance of a license-</p>	

SUPPLEMENTAL DOCKET FILE

U. S. ATOMIC ENERGY COMMISSION

PAGE FOUR

APPLICANT **Isotopes Specialties Company**DOCKET NO. **27-7****Burbank, California**

DOCUMENTS

DATE DOCKETED	DESCRIPTION
	7/9/58- Memo to Isotopes Files fm Brinkman- Visit to Isotopes Specialties Co., on June 18, 1958-
	7/22/58- Ltr to Mr. Gordon- Dept of Fish & Game (Calif)
	8/21/58- Memo to McCool fm Price- Issuance of a Source & Byproduct License to Isotopes Specialties Co., Inc.
	8/21/58- Ltr to Isotopes Specialties- transmitting License
	8/21/58- NOTICE OF ISSUANCE OF BYPRODUCT AND SOURCE MATERIAL LICENSE TO PROVIDE RADIOACTIVE WASTE DISPOSAL SERVICE-
	8/21/58- Ltr to Mr. Gordon- informing him of the issuance of EML to Isotopes Specialties -
	8/21/58- Ltr to Governor of California (Knight) informing him of the issuance of EML to Isotopes Specialties-
	8/21/58- Memo to Office of the General Counsel- Federal Register Notice-
	8/21/58- Memo to McCool fm Price- Issuance of a Source and EML to Isotopes Specialties Co.,- re that the info re the issuance of this lic be circulated to the Commission-
	8/25/58- Ltr to Mr. Kennedy, The Federal Register- Notice of issuance of license to provide radioactive waste disposal service-
	9/8/58- Memo to McCool fm Eber Price- Information paper transmitting ltr fm Director, Department of Fish & Game-
	9/16/58- Ltr to Mr. Gordon- Department of Fish & Game, State of California- fm E. Price, ask his ltr of 8/25/58- 10/13/58 <i>Let Mr. Gordon - copy of ltr & memo - for anyone further to Ltr</i> <i>date 8/25/58. what of Mr. Gordon's ltr.</i>
	3/18/59- Ltr to Mr. Gol/stain- enclosing a proposed condition governing the transportation of radioactive wastes materials for sea disposal-

U. S. ATOMIC ENERGY COMMISSION

PAGE FIVE

APPLICANT	Isotopes Specialties Company and Division of Nuclear Corporation of America	DOCKET NO. 27-7
	Burbank, California	
DOCUMENTS		
DATE DOCKETED	DESCRIPTION	
	<p>5/4/59- Ltr to Nuclear Corporation of America- ack receipt of ltr dated 3/12/59-</p> <p>9/11/59- Ltr to A. A. Michaud, Western Operations, Isotopes Specialties Co., re their ltr of 8/13/59-</p> <p>Memo- Rough Draft to Price fm Mason- Transfer of Byproduct Material License fm Isotopes Specialties Co., (A wholly-owned subsidiary of Nuclear Corporation of America) to Isotopes Specialties Company (A Division of Nuclear Corporation of America) Not dispatched-</p>	
November 27, 1959	November 25, 1959- Memo to Dr. Mann fm L. Rogers- concerning Memo fm Dr. Mann regarding a complaint by Nuclear Engineering Co., against Isotopes Specialties Co., re transportation of radioactive wastes and disposal of low-level liquid wastes into the sanitary sewer system by Isotopes Specialties-	
December 9, 1959	December 8, 1959- Memo to Files fm Herwin re Office visit with A. A. Michaud and F. G. Baur, (NCOE, Isotopes Specialties Inc., L. R. Rogers, J. R. Mason, And Herwin to discuss their application for a waste disposal license and the release and contamination status of their facility located at 703 South Main Street, Burbank, California-	
December 29, 1959	December 10, 1959- Memo to Files fm Herwin- re Office visit fm Mr. F. G. Baur, Isotopes Specialties Co., Division of Nuclear Corporation of America, on December 4, 1959- 1/25/60- Ltr fm Isotopes Specialties regarding waste disposal and its problems.	
February 5, 1960	February 5, 1960- Office Visit with F. G. Baur and A. A. Michaud, Isotopes Specialties Co., Division of Nuclear Corporation of America, Inc. on February 3, 1960 inquiring as to the status of their waste disposal license application	

APPLICANT	Isotopes Specialties Company MCA, Inc.	DOCKET NO.	27-7
	170 West Providencia Burbank, California		
DOCUMENTS			
DATE DOCKETED	DESCRIPTION		
	March 17, 1960- Telegram fm Isotopes Specialties re waste license revision application dtd 9/10/59 and subsequently amended asked for approval certain waste packages-		
April 12, 1960	March 24, 1960- Letter from Isotopes Specialties Co., submitting additional information in regards to their requested amendment.		
May 5, 1960	April 22, 1960- Ltr from Isotopes Specialties Co., regarding changes in their personnel.		
May 12, 1960	May 5, 1960- Letter from Isotopes Specialties Co., enclosing handling methods for their large radioactive containers.		
June 27, 1960	June 24, 1960- AMENDMENT NO. 1 TO LICENSE NO. 4-580-6 ISSUED TO ISOTOPES SPECIALTIES COMPANY.		
June 27, 1960	June 24, 1960- Ltr to Isotopes Specialties Co., transmitting Amendment No. 1.		
June 27, 1960	June 24, 1960- NOTICE OF PROPOSED AMENDMENT OF ISOTOPES SPECIALTIES LICENSE NO. 4-580-6.		
June 27, 1960	June 24, 1960- Ltr to Isotopes Specialties transmitting Notice of Proposed Issuance of an Amendment to their License No. 4-580-6.		
June 27, 1960	June 24, 1960- Memo to General Manager fm (Price) re Amend # 1 to Isotopes Specialties License No. 4-580-6.		
June 27, 1960	June 24, 1960- Memo to General Manager fm (Price) re Notice or Proposed Issuance of Amendment No. 2 to Isotopes Specialties License No. 4-580-6.		
June 27, 1960	June 24, 1960- Memo to Office of the General Counsel fm (Mason) re Federal Register Notice.		

U. S. ATOMIC ENERGY COMMISSION

PAGE SEVEN

APPLICANT	Isotopes Specialties Company Division of Nuclear Corp. of America, Inc.	DOCKET NO. 27-7
	170 West Providencia Burbank, California	Attn: Mr. Alfred J. Moses
DOCUMENTS		
DATE DOCKETED	DESCRIPTION	
June 27, 1960	<p>June 27, 1960- Ltr to Dr. Grendon fm (Price) transmitting copies of Amendment No. 1 to License No. 4-580-6, Isotopes Specialties and Notice of Proposed Issuance of Amend # 2, Isotopes Specialties and Notice of Proposed Issuance of License No. 4-5668-1 Amendment, Ocean Transport Company.</p> <p>July 1, 1960- Ltr to B. Eberhart, Federal Register, Proposed Amendment to Isotopes Specialties License.</p> <p>July 7, 1960- Ltr to Rep H. Allen Smith regarding ltr from Dr. K. W. Newman, of Isotopes Specialties Co. Encl: Ltr fm Rep H. Allen Smith dtd 5/23/60 Ltr fm Isotopes Specialties Co., dtd 5/18/60</p> <p>July 18, 1960- AEC-R 35/7 7/18/60- Staff Paper- Notice of Proposed Issuance of Amendment No. 2 to License to Isotopes Specialties Co.</p>	
July 25, 1960	July 22, 1960- NOTICE OF ISSUANCE OF AN AMENDMENT TO BYPRODUCT SOURCE AND SPECIAL NUCLEAR MATERIAL LICENSE also attached Amendment No. 2 to License No. 4-580-6- Isotopes Specialties Co.	
July 25, 1960	July 22, 1960- Memo to OGC fm Mason re Federal Register Notice.	
July 25, 1960	July 22, 1960- Ltr to Isotopes Specialties enclosing Amendment No. 2 to their license.	
July 25, 1960	<p>July 22, 1960- Ltr to Dr. Grendon transmitting copies of Amendment No. 2 to Isotopes Specialties License No. 4-580-6 and copies of notice of issuance.</p> <p>Press Release- Two California Waste Disposal Firms Seek AEC Approval of Amend Licenses.</p>	

U. S. A T O M I C E N E R G Y C O M M I S S I O N

PAGE EIGHT

APPLICANT	Isotopes Specialties Company Division of Nuclear Corp. of America, Inc.	DOCKET NO.	27-7
	170 West Providencia Burbank, California	Attn:	Alfred J. Moses

D O C U M E N T S

DATE DOCKETED	DESCRIPTION
July 25, 1960	July 22, 1960- Memo to General Manager fm (Price) informing him of the issuance of Amendment No. 2 to License No. 4-580-6 to Isotopes Specialties Co.
July 25, 1960	July 25, 1960- Ltr to D. Eberhart attaching for publication in Federal Register Notice of Issuance of Amendment to Isotopes Specialties Co., license.
August 3, 1960	July 25, 1960- Application from Isotopes Specialties requesting renewal of their waste disposal license and also increased possession limits.
August 8, 1960	August 1, 1960- Ltr from Isotopes Specialties correcting error contained on their Administrative Procedures of 7/25/60.
August 24, 1960	August 15, 1960- Ltr to Isotopes Specialties re precautions taken to keep hazardous industrial materials separated from low-level wastes.
August 29, 1960	August 24, 1960- Ltr fm Nuclear Corporation in response to our ltr of 8/15/60.
October 3, 1960	September 13, 1960- Ltr fm Isotopes Specialties informing AEC that Mr. Wetterau has resigned from their company.
September 14, 1960	September 14, 1960- Ltr to Isotopes Specialties acknowledging receipt of their application for renewal of their license.
November 14, 1960	October 31, 1960- Ltr fm Isotopes Specialties requesting land burial license.

U. S. A T O M I C E N E R G Y C O M M I S S I O N

PAGE NINE

APPLICANT	Isotopes Specialties Company Div. of Nuclear Corp. of America, Inc.	DOCKET NO. 27-7
	170 West Providencia Barbank, California	Attn: Mr. Alfred J. Moses Chairman, Isotope Committee
DOCUMENTS		
DATE DOCKETED	DESCRIPTION	
Dec. 1, 1960	December 1, 1960- Ltr to Mr. Grandon transmitting copies of Amendment No. 3 to Isotopes Specialties waste disposal license.	
Dec. 1, 1960	December 1, 1960- Ltr to Isotopes Specialties transmitting Amendment No. 3 to their License No. 4-580-6.	
Dec. 1, 1960	December 1, 1960- AMENDMENT NO. 3 TO LICENSE NO. 4-580-6 issued to Isotopes Specialties Company.	
Dec. 1, 1960	December 1, 1960- Memo to General Manager fm Price advising him of the issuance of Amendment No. 3 to Isotopes Specialties.	
Dec. 2, 1960	December 2, 1960- Ltr to Isotopes Specialties requesting additional info for their renewal of License No. 4-580-6.	
Dec. 15, 1960	December 6, 1960- Ltr fm Isotopes Specialties regarding changes in personnel of the Isotope Committee.	
Dec. 16, 1960	December 12, 1960- Ltr fm Isotopes Specialties requesting variance in their waste disposal license.	
Dec. 20, 1960	December 13, 1960- Ltr fm Isotopes Specialties regarding their intention to dispose of radioactive waste at sea.	

SUPPLEMENTAL
U. S. ATOMIC ENERGY COMMISSION

PAGE TEN

APPLICANT	DOCKET NO. 27-7
Isotopes Specialties Company Div. of Nuclear Corp. of America, Inc. 170 West Providencia Burbank, California	Attn: Mr. Alfred J. Moses Chairman, Isotope Committee
DOCUMENTS	
DATE DOCKETED	DESCRIPTION
Dec. 28, 1960	December 20, 1960- Ltr fm Isotopes Specialties re our ltr of 12/2/60 requesting additional information.
Dec. 29, 1960	12/22/60- Ltr fm Isotopes Specialties re sea disposal dump of radioactive waste material.
Dec. 28, 1960	December 27, 1960- Ltr to Isotopes Specialties in response to their ltr of 12/13/60 re disposal operations proposed on January 5, 1961.
Jan. 5, 1961	December 29, 1960- Ltr fm Isotopes Specialties re dumping operations.
Dec. 30, 1960	December 29, 1960- Ltr to Isotopes Specialties re their ltr of 12/22/60 re proposed disposal of 85 drums which have surface radiation levels in excess of 200 milliroentgens per hour.
Jan. 5, 1961	January 3, 1960- Telegram fm Isotopes Specialties re Isotopes Specialties being sold to U. S. Nuclear- Administrative control will continue intact until 1/15/61.
Jan. 5, 1961	January 3, 1961- Telegram fm Isotopes /Specialties Duplicate and Correct copy of telegram of 1/15/61.
Jan. 16, 1961	January 11, 1961- Ltr to Mr. Grendon advising him of the issuance of Amendment No. 4 to License No. 4-580-6 issued to Isotopes Specialties.
Jan. 16, 1961	January 11, 1961- Ltr to Isotopes Specialties transmitting Amendment No. 4 to their License No. 4-580-6.
Jan. 16, 1961	January 11, 1961- AMENDMENT NO. 4 TO LICENSE NO. 4-580-6 issued to Isotopes Specialties Company.
	January 11, 1961- Memo to General Manager advising him of the issuance of Amendment No. 4 to License No. 4-580-6 held by Isotopes Specialties.

APPLICANT	Isotopes Specialties Company Div. of Nuclear Corp. of America, Inc. 170 West Providencia Burbank, California	DOCKET NO. 27-7
DOCUMENTS		
DATE DOCKETED	DESCRIPTION	
Jan. 25, 1961	January 13, 1961- Ltr fm Isotopes Specialties requesting deletion of individuals users on AEC licenses 4-580-6, 7, 8 and C-5352.	
Feb. 16, 1961	January 13, 1961- Ltr fm Goldstein requesting transfer of Isotopes Specialties to U. S. Nuclear Corporation.	
Jan. 23, 1961	January 19, 1961- Ltr fm Isotopes Specialties re dumping of radioactive waste at sea.	
Feb. 1, 1961	January 30, 1961- Ltr to Isotopes Specialties in response to communication from Isotopes Specialties.	
	February 16, 1961- Memo to Warner to Blance re Isotopes Specialties, Waste Disposal. Encls: Memo., Book to Smith, Memo North to Smith and Memo Blane to Smith.	
	February 21, 1961- Letter to Phillips Petroleum Co., from Nuclear Corporation of America.	
March 3, 61	February 24, 1961- Ltr to Nuclear Corp., of America, Inc. in response to theirs letters of 12/12 and 12/22, 1960.	
	February 28, 1961- Memo to Mason fm Cool re Matters to be Discussed with A. Goldstein During Office Visit.	
March 7, 1961	March 1, 1961- Ltr fm Isotopes Specialties, Nuclear Corporation of America response to our ltr of 2/24/61.	
March 7, 1961	March 7, 1961- Ltr to Goldstein, Isotopes Specialties Co., confirming information requested during Goldstein's recent visit.	
Mar. 13, 1961	March 7, 1961- Ltr fm NUCOR re Isotopes Specialties Company.	
	May 4, 1961- Memo to Rogers fm Warner re Nuclear Corporation of America-	
Jun 13, 61	June 13, 1961- Ltr to Isotopes Specialties re application requesting transfer of License 40580-6.	

APPLICANT

Isotopes Specialties Company
Div. Of Nuclear Corp. of America, Inc.

DOCKET NO.

27-7

881 N. Lake Street
Burbank, California

Attn: Mr. Allen Goldstein

DOCUMENTS

DATE DOCKETED

DESCRIPTION

Dec 8, 61	December 7, 1961- Ltr to Isotopes Specialties - Denial letter.
Dec 8, 61	December 7, 1961- Ltr to Nuclear Corporation of America, requesting withdrawal of their application requesting renewal of License No. 4-580-6.
Jan 8, 62	December 20, 1961- Ltr from Nuclear Corporation of America requesting termination of License No. 4-580-6.

EXPERT SYSTEM LICENSE EVALUATION
REPORT FOR LICENSE 04-00580-07

NAME OF LICENSEE: ISOTOPES SPECIALTIES COMPANY, INCORPORATED
LISTED SITE: 170 WEST PROVIDENCIA, BURBANK, CALIFORNIA

--- TYPE OF ACTIVITY OR FACILITY: COMMERCIAL LABORATORY - RESEARCH

DESCRIPTION OF FIRST SITE AT WHICH 04-00580-07 WAS USED
ISOTOPES SPECIALTIES COMPANY, INCORPORATED
INDUSTRIAL DEPARTMENT
170 WEST PROVIDENCIA
BURBANK, CALIFORNIA

LIC Expired
1959

Description of LICENSEE ACTIVITY UNDER THIS LICENSE

THE LICENSEE WAS ALLOWED TO PROCESS AND DISTRIBUTE BYPRODUCT MATERIALS TO
OTHER LICENSEES. THE LICENSEE WAS ALSO AUTHORIZED TO CONDUCT RESEARCH AND
DEVELOPMENT WITH TRITIUM AND SULFUR 35.

----- MATERIALS INFORMATION FOR THIS LICENSE -----

--Information on type and form of materials--

--Authorized Material--

--Form Authorized--

H-3	Loose or Any
PO-210	Loose or Any
ANY BYPRODUCT MATERI	Loose or Any
CO-60	Loose or Any
CS-137	Loose or Any
TM-170	Loose or Any
IR-192	Loose or Any
S-35	Loose or Any
SB-124	Loose or Any

AMOUNT OR ACTIVITY OF MATERIALS

--Material--

-SEALED OR LOOSE-- POSS. LIMIT

Unit

Initial score 7568

H-3	LOOSE	100.00	CI	
ANY BYPRODUCT MATL	LOOSE	500.00	CI	SCORE FOR MATL: 373.6
CO-60	LOOSE	2000.00	CI	SCORE FOR MATL: 37.6
CS-137	LOOSE	1000.00	CI	SCORE FOR MATL: 101.7
TM-170	LOOSE	100.00	CI	SHORT-LIVED MATERIAL
IR-192	LOOSE	80.00	CI	SHORT-LIVED MATERIAL
S-35	LOOSE	175.00	CI	SHORT-LIVED MATERIAL
SB-124	LOOSE	50.00	CI	SHORT-LIVED MATERIAL

INITIAL SITE SCORE, based on LOOSE material possession limits: : 513

A1141

FINAL DECISION FOR LOOSE MATERIALS:

POTENTIAL SITE CONTAMINATION:
HIGHEST PRIORITY FOR REVIEW

The final SCORE for SITE CONTAMINATION is: 7568

SEQUENCE OF RECORDED REASONING

1. Activities under this license involving use of 'any byproduct matl' were not specified clearly. Cannot determine likelihood of hazard.
2. There was at least one loose material on this license for which the amount remaining was reduced according to the length of the half-life
3. There was one identifiable site with this license.
4. FIRST SITE: EVIDENCE IN FILE and knowledge of materials and usage were sufficient to lead the reviewer to suspect building contamination. Score raised by a factor of 1.5
5. FIRST SITE: There was NO verifiable decontamination of the site at closeout. Score=score*1.2
6. FIRST SITE: Description of activity was inadequate to determine whether outdoor contamination at the site was a likelihood.
No change in score
7. FIRST SITE: There was insufficient information in file to determine the likelihood of release to atmosphere or to environment from activities at this site.
8. FIRST SITE: There was PROBABLE use of glove boxes, hoods, or protective clothing
9. FIRST SITE: Possible inappropriate disposal or abandonment of contaminated material from glove boxes, hoods, or equipment.
Score=score*1.1
10. FIRST SITE: There was possible or limited generation of contaminated material from machinery used in the operation.
Score=score*1.2.
11. FIRST SITE: Possible inappropriate disposal or abandonment of contaminated material from machinery (cloths, parts, etc).

Score=score*1.1

12. FIRST SITE: There was limited generation of solid waste in the operation. Score=score*1.2

13. FIRST SITE: Some possibility that contaminated solid waste was inappropriately disposed of. Score=score*1.1

14. FIRST SITE: There was limited generation of liquid waste in the operation. Score=score*1.2

15. FIRST SITE: Some possibility that contaminated liquid waste was inappropriately disposed of. Score=score*1.1

16. FIRST SITE: There was SOME indication of possible burial or dumping Score=score*1.5

17. The information available concerning the operations carried out under this license is insufficient to make any judgment of the frequency of turnover for operation. Accordingly the score will not be changed at this point.

18. FIRST SITE: There was either no documentation of materials disposition or the documentation was inadequate. Score=score*1.2

19. FIRST SITE: There was NO closeout survey for this site. Score multiplied by 1.8

20. FIRST SITE: There was NOT an NRC FINAL INSPECTION of the facility. Score not changed.

COMMENTS FOR LICENSE EVALUATION

Reviewer's comments concerning potential BURIAL OF WASTE OR MATERIAL
THE COMPANY WAS ALSO A WASTE DISPOSAL COMPANY. THE DISPOSAL OF ALL
MATERIALS AND WASTE WERE PROBABLY MADE THRU THIS DIVISION. THE METHOD THE
COMPANY USED WAS OCEAN DUMPING.

Description of LICENSEE ACTIVITY UNDER THIS LICENSE

THE LICENSEE WAS ALLOWED TO PROCESS AND DISTRIBUTE BYPRODUCT MATERIALS TO
OTHER LICENSEES. THE LICENSEE WAS ALSO AUTHORIZED TO CONDUCT RESEARCH AND
DEVELOPMENT WITH TRITIUM AND SULFUR 35.

Reviewer's comments concerning potential TURNOVER OF MATERIALS
THERE WAS NOT ENOUGH INFORMATION IN THE FILE TO DETERMINE THE AMOUNT OF
MATERIAL THAT WAS USED AT ANY ONE TIME. TRITIUM WAS THE ONLY ISOTOPE THAT
WAS LIMITED TO A SPECIFIC AMOUNT, 100 CURIES.

Reviewer's comments concerning potential CONTAMINATION
A DRAFT LETTER WAS INCLUDED IN THE FILE. THIS LETTER INDICATED THAT THE
LICENSEE'S SURVEY EQUIPMENT WAS INOPERABLE FOR 2 MONTHS AND THERE WAS A
HIGH DEGREE OF CESIUM AND POLONIUM CONTAMINATION IN THE LABORATORIES. NO
OTHER DETAILS WERE PROVIDED.

Reviewer's comments concerning potential GENERATION OF WASTE
CLOTHING MAY HAVE BEEN WORN BY THE WORKERS, BUT NO INFORMATION WAS
PROVIDED. NO DISPOSAL METHODS WERE GIVEN BY THE LICENSEE. HEAVY MACHINERY
COULD HAVE BEEN USED IN THE PROCESSING OF THE MATERIALS, BUT NO SPECIFIC
DETAILS WERE PROVIDED. AGAIN, NO DISPOSAL METHODS WERE DESCRIBED. SOLID
AND LIQUID WASTE COULD HAVE BEEN PRODUCED, DEPENDING ON THE KINDS OF
ISOTOPE THE COMPANY POSSESSED AND WHAT TYPE OF PRODUCT THEY WERE
DISTRIBUTING. NO METHODS OF DISPOSAL WERE GIVEN FOR THE MATERIALS OR THE
WASTE.

- GENERAL COMMENTS ENTERED BY THE REVIEWER CONCERNING THE EVALUATION -
-- THE LICENSEE WAS AUTHORIZED BY PRODUCT MATERIALS FOR USE IN PROCESSING.
-- DISTRIBUTION, RESEARCH, AND DEVELOPMENT. NO INFORMATION WAS PROVIDED AS TO
-- HOW THESE MATERIALS WERE DISPOSED OR WHAT TYPE OF RESEARCH AND DEVELOPMENT
-- WAS CONDUCTED. THE INFORMATION WAS VAGUE.

END OF COMMENTS FOR LICENSE EVALUATION

--- EXPERT SYSTEM EVALUATION WAS BASED ON THE ---

----- FOLLOWING INVENTORY RECORD -----

REGION RESPONSIBLE: V

LICENSEE NAME: ISOTOPE SPECIALTIES COMPANY, INCORPORATED
STREET ADDRESS: 170 WEST PROVIDENCIA City: BURBANK
FIPS state code (principal operation): CA
Site used: 170 WEST PROVIDENCIA, BURBANK, CALIFORNIA
Disposition information present: NO DISPOSITION INFORMATION GIVEN
This license was listed as expired on 12/31/59

GENERAL INVENTORY RECORD COMMENTS:
BYPRODUCT MATERIAL WAS RESOLD AND USED IN RESEARCH.
JOB NUMBER: 1722 BOX NUMBER: 18
OTHER LICENSE NUMBERS IN FILE: 04-00520-03

Date of last evaluation or revision: 08/19/94

ORNL Score: 7,568

Classification: Non-sealed Source

License No.: 04-00580-07

Docket No.: None

Licensee: Isotopes Specialties Company

Address: 170 West Providencia Street
Burbank, California 91502

Current Owner/Address: Joseph Thomson
1831 Foothill Drive
Glendale, CA 91201

Activity: Byproduct, source and Special Nuclear Material handling for source manufacturing and waste consolidation

ORNL Concerns: ORNL's concerns were that there was not suitable information available on the degree of cleanup accomplished, survey reports, etc., to be assured that the subject site met current decommissioning criteria, or that a final AEC/NRC inspection had been performed at the sites prior to license termination. They were also concerned that there may have been onsite burial/disposal of radioactive material or abandonment of manufacturing equipment/material in place.

Background: This is one of two former Isotopes Specialties Co. sites in the Burbank, CA area being investigated. This site (170 W. Providencia Street) used radioactive materials under several AEC licenses that dated back to the 1950's. Licenses were for radioactive waste collection and storage, waste consolidation for ocean dumping, radioactive source manufacture, and a commercial radiochemical laboratory. Kilocurie quantities of various long lived radioisotopes were authorized, in both loose and sealed form.

Current
Status:

The original facility was found to be pretty much intact and was being renovated by a former tenant. The current owner stated that he had owned the property since the mid 1960's and had been aware that some company had used radioactive materials at the site before his ownership, but understood that all radioactive materials had been removed. Mr. Thomson indicated that the buildings on the site had only been slightly modified since his ownership, mostly interior walls for offices. Some small outside buildings had been added.

The site was visited on February 23, 1996 by an NRC Region IV/WCFO inspector and a State of California inspector and cursory radiological surveys of the site were performed. These surveys indicate that several areas inside of site buildings and outside areas were contaminated above NRC residual release criteria. State of California solid sample analysis determined the primary isotopes of concern were thorium 230/232 and cesium-137. General area gamma radiation

A1142

exposure rate measurement indicate that source material may have been buried on site. NRC Inspection Report No. 30-90006/96-01 was issued on April 8, 1996. A letter to the State of California, dated April 8, 1996, transferred responsibility for this site to the State.

Recommendation: Close this case.

Contact: H. Dean Chaney, RIV/WCFO Phone: (510) 975-0229