

EXPERT SYSTEM LICENSE EVALUATION
EVALUATION REPORT FOR LICENSE SNM-00329

Licensee: SPENCER CHEMICAL COMPANY

Site of operation: JAYHAWK WORKS LOCATED BETWEEN PITTSBURGH, KS

The final ranking for SITE CONTAMINATION is: 101511

DESCRIPTION OF ACTIVITY OR FACILITY: FABRICATION OR MANUFACTUR

--Type and form of materials licensed--
Material-- --Form--
U-235>500 GMS Loose material

--For evaluation purposes, amounts of the following materials were obtained--

Material--	--Form--	--Amount--	--Unit--
U-235	LOOSE	1000000.00	gr

Rank of the license based on the loose materials licensed: 11512

DESCRIPTION OF SITE AT WHICH SNM-00329 WAS USED

JAYHAWK WORKS LOCATED BETWEEN PITTSBURGH, KS. AND JOPLIN, MO.

1. License was for loose materials, or materials handled loose
2. There was one identifiable site with this license.
3. There was inconclusive evidence of releases to the environment or there was evidence of limited release. Rank=1.2*rank
4. Some likelihood that building could have been left with contamination. Rank=rank*1.0
5. Some likelihood that meaningful outdoor contamination could have occurred. Rank=rank*1.0
6. There was NO verifiable decontamination of the site at closeout. Rank=rank*1.2
7. Information insufficient to judge frequency of turnover for operation Rank not changed
8. There was significant use of glove boxes, hoods, or protective clothing. Change in rank depends on subsequent questions.
9. Evidence of inappropriate disposal or abandonment of significant contaminated material from glove boxes, hoods, clothing. Rank =rank*1.8
10. There was significant generation of waste material in routine cleanup of facility. Rank=rank*1.5
11. Evidence of inappropriate disposal or abandonment of significant contaminated material waste material from cleanup. Rank=rank*1.4
12. There was some documentation of materials disposition, but not complete. Rank=rank*0.9

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13. There was no information in file indicating burial or dumping by licensee. Rank not changed
14. There was NO closeout survey for this license. Rank=rank*1.8
15. There was NOT an NRC FINAL INSPECTION of the facility. Rank not changed.

CATEGORY FOR POTENTIAL SITE CONTAMINATION:
HIGHEST PRIORITY-Category 1A

The final ranking for SITE CONTAMINATION is: 101511

Description of THE LICENSEE ACTIVITY AUTHORIZED by this license

CONVERTED URANIUM WHICH WAS ENRICHED UP TO 5% IN THE FORM OF UF6 OR SCRAP TO THE OXIDE. OPERATIONS INCLUDED VAPORIZATION;HYDROLYSIS;ACID TREATMENT;EXTRACTION;EVAPORATION;PRECIPITATION;HEATING TO REDUCE TO UO2;BLENDING; AND PACKAGING.

Reviewer's comments concerning license SNM-00329

The license was issued in Oct.,59, and expired on 9-30-62. There are no detailed on site inspection reports in the file, but one entry says they did not conduct sufficient monitoring to rule out over exposure to employees. Liquid waste not suitable for reprocessing went to the sewer with an estimate that it was diluted to a concentration of 0.0002 micro curies per ml. with other aqueous waste. Disposition for materials was considered incomplete as each source of disposition said the actual disposition would be found on another form and the material status reports eventually referenced are not in the file. The site with a potential for significant contamination was not inspected or surveyed at closeout.

EXPERT SYSTEM EVALUATION WAS BASED ON THE
INVENTORY RECORD IN JOB 0260, BOX 01

Docket 70-00340

Licensee: SPENCER CHEMICAL COMPANY

Address: PITTSBURG, KANSAS

Zip:

State of operation: KS

Disposition information present: CERTIFICATE, LETTER, OTHER DOCUMENT

Contents of letter:

11-20-62:ALL TRANS.AS OF 12-31-61;SEE MATER.STATUS REP.FOR LICENSEES

Text of certificate of disposition:

11-20-62:SAYS SEE THE ATTACHED LETTER FOR TRANSFER INFORMATION

Contents of other disposition information:

LETTER OF 12-6-62 FROM KERR McGEE IMPLYING THEY ACQ.A SPENCER DEPT.

Matl. Transfrd.to: NOT GIVEN;MATER.STATUS REP. IS NOT IN FILE

License to which transferred:

This license was listed as expired on 09/30/62

Remarks:

JOB NUMBER: 0260

BOX NUMBER: 01

SEE NEXT PAGE FOR INVENTORY INFORMATION

Date of last evaluation/revision: 09/30/92

Reviewer: PAB