

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: JJS Engineers, Inc.

License No.: 42-27777-01

Docket No.: 030-36593

Mail Control No.: 471075

Type of Action: Term

Date of Requested Action: 08-03-06

Reviewer
Assigned:

ARM reviewer(s): Cook

| Response | Deficiencies Noted During Acceptance Review |
|----------|--|
| | <ul style="list-style-type: none">[] Open ended possession limits. Limit possession. Submit inventory.[] Submit copies of most recent leak test results.[] Add - delete IC license condition. Add IC paragraph in cover letter.[] Split license from cover letter. Add SUNSI marking to license.[] Ask the licensee if they have any type-amount of EPAct Material. |
| | |

Reviewer's Initials: _____

Date: _____

- ☐ Yes ☐ No Unrestricted release Group 2 or >: Transfer memo to FCDB within 10 days.
- ☐ Yes ☐ No Decommissioning notification should be completed within 30 days.
- ☐ Yes ☐ No Termination request < 90 days from date of expiration
- ☐ Yes ☐ No Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
- ☐ Yes ☐ No TAR needed to complete action.

Branch Chief's and/or Sr. HP's Initials: _____

Date: _____

SUNSI Screening according to RIS 2005-31

☐ Yes ☒ No Non-Publicly Available, Sensitive if any item below is checked

General guidance:

- _____ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- _____ Exact location of RAM (whether = or > than Category 3 or not)
- _____ Design of structure and/or equipment (site specific)
- _____ Information on nearby facilities
- _____ Detailed design drawings and/or performance information
- _____ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- _____ RAM quantities and inventory
- _____ Manufacturer's name and model number of sealed sources & devices
- _____ Site drawings with exact location of RAM, description of facility
- _____ RAM security program information (locks, alarms, etc.)
- _____ Emergency Plan specifics (routes to/from RAM, response to security events)
- _____ Vulnerability/security assessment/accident-safety analysis/risk assess
- _____ Mailing lists related to security response

Branch Chief's and/or Sr. HP's Initials: _____

Date: 8/9/06

Applicant Information:**Control No. 471075**

| | |
|---------------------------|---|
| Name: JJS Engineers, Inc. | Type of Request: Term Program Code(s): |
| Location: TX | License No.: 42-27777-01 Docket No.: 030-36593 |

STEP 1—Radioactive Materials and Quantities Requested:

| | | |
|---|--|-----------|
| Instructions for Step 1: Complete Step 1 for all applications. If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay. | | Yes or No |
| A. | The request is from a new applicant. | N |
| B. | NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit. | N |
| C. | The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer | N |

Table of Risk Significant Quantities

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

| Radionuclide | Risk Significant Quantity (TBq) ¹ | Risk Significant Quantity (Ci) ¹ | Radionuclide | Risk Significant Quantity (TBq) ¹ | Risk Significant Quantity (Ci) ¹ |
|--------------|--|---|---------------------|--|---|
| Am-241 | 0.6 | 16 | Pm-147 | 400 | 11,000 |
| Am-241/Be | 0.6 | 16 | Pu-238 | 0.6 | 16 |
| Cf-252 | 0.2 | 5.4 | Pu-239/Be | 0.6 | 16 |
| Cm-244 | 0.5 | 14 | Ra-226 ² | 0.4 | 11 |
| Co-60 | 0.3 | 8.1 | Se-75 | 2 | 54 |
| Cs-137 | 1 | 27 | Sr-90 (Y-90) | 10 | 270 |
| Gd-153 | 10 | 270 | Tm-170 | 200 | 5,400 |
| Ir-192 | 0.8 | 22 | Yb-169 | 3 | 81 |

¹ The primary values are TBq. The curie (Ci) values are for informational purposes only.² The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

| | |
|--|---------------------------------|
| Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s). | Yes, No, or Not Applicable (NA) |
| Total Activity—multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide | |
| Unity Rule—multiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g., [(total activity for radionuclide A) ÷ (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) ÷ (risk significant quantity for radionuclide B)] ≥ 1.0. | |

Signature and Date for Step 1:

Janet L. Cook 8/9/06
 License Reviewer and Date



August 3, 2006

RECEIVED

AUG 07 2006

DNMS

U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Dr., Suite 400
Arlington, TX. 76011-4005

Re: Termination of NRC License No. 42-27777-01

To whom it may concern:

JJS Engineers, Inc. (JJS) has not had the opportunity to use its Materials License No. 42-27777-01 to date, and we are requesting that this license be terminated effective August 1, 2006. JJS will re-apply for the license in the future if a business opportunity arises.

Please do not hesitate to contact me at 281-880-8131 or jsethna@jjsengineers.com if further information is required. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Jal Sethna".

Jal Sethna, P.E.

CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

JJS ENGINEERS, INC.
5625 F.M. 1960 WEST, SUITE 313
HOUSTON, TX. 77069

LICENSE NUMBER

42-27777-01

LICENSE EXPIRATION DATE

AUGUST 31, 2014

DOCKET NUMBER

030-36593

☐ This license has expired.☒ A. LICENSE STATUS (Check the appropriate box)
This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- ☒ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- ☐ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
- ☐ a. Transfer of radioactive materials to the licensee listed below:
- ☐ b. Disposal of radioactive materials:
- ☐ 1. Directly by the licensee:
- ☐ 2. By licensed disposal site:
- ☐ 3. By waste contractor:
- ☐ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

- ☐ 1. A radiation survey was conducted by the licensee. The survey confirms:
- ☐ a. the absence of licensed radioactive materials
- ☐ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- ☐ 2. A copy of the radiation survey results:
- ☐ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on: _____ Date _____
- ☐ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- ☐ a. The results of the latest leak test are attached; and/or ☐ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

| NAME | TITLE | TELEPHONE (Include Area Code) | E-MAIL ADDRESS |
|------------|-----------|-------------------------------|--------------------------|
| JAL SETHNA | PRESIDENT | 281-880-8131 | jsethna@jjsengineers.com |

Mail all future correspondence regarding this license to:
17047 VALLEY PALMS DR., SPRING, TX. 77379

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

JAL SETHNA, PRESIDENT

SIGNATURE

Jal Sethna

DATE

8/3/06

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

(FOR LEMS USE)
 INFORMATION FROM LTS

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Program Code: 03234
Status Code: 0
Fee Category: 4B 3N 2C 1D
Exp. Date: 20140831
Fee Comments:
Decom Fin Assur Req'd: N
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: Decom Fin Assur Req'd: N_____
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: Decom Fin Assur Req'd: N_____
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- APPLICATION ATTACHED
Applicant/Licensee: JJS ENGINEERS, INC.
00000007

JJS ENGINEERS, INC.
20060807
3036593
471075
42-27777-01
Termination

- FEE ATTACHED
Amount: _____
Check No.: _____

- Signed _____
Date 8-9-06

111)

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- | | |
|-------|---------|
| Paid. | Applica |
|-------|---------|

- [illegible]

Signed _____
Date _____

JJS Engineers, Inc.
5625 F.M. 1960 West Ste. 313
Houston, TX 77069

HOUSTON TX 773
03 AUG 2006 PM 5 L



US NRC

NUCLEAR MATERIALS LICENSING BRANCH
REGION IV

611 RYAN PLAZA DRIVE, STE. 400
ARLINGTON, TX. 76011-4005

760114005 0001