

ACCEPTANCE REVIEW MEMO (ARM)

Licensee: Taylor Engineering Inc

License No.: 46-29250-01

Docket No.: 030-37404

Mail Control No.: 471443

Type of Action: Amend

Date of Requested Action: 07-19-07

**Reviewer
Assigned:**

ARM reviewer(s): Torres

Response	Deficiencies Noted During Acceptance Review
	<input type="checkbox"/> Open ended possession limits. Limit possession. Submit inventory. <input type="checkbox"/> Submit copies of most recent leak test results. <input type="checkbox"/> Add - delete IC license condition. Add IC paragraph in cover letter. <input type="checkbox"/> Split license from cover letter. Add SUNSI marking to license. <input type="checkbox"/> 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: _____

JUL 20 2007

Pre-Licensing Screening

Applicant Information:

Control No. 471443

Name: Taylor Engineering Inc	Type of Request: Amend Program Code(s):	
Location: WA	License No.: 46-29250-01	Docket No.: 030-37404

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.	No
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.	No
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	No

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:

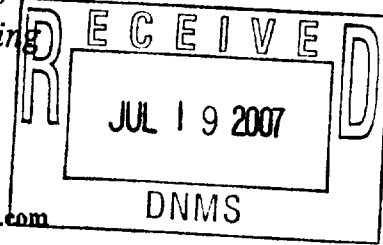
 License Reviewer and Date

JUL 20 2007

**TAYLOR ENGINEERING, INC.***Civil Design and Land Planning*106 West Mission Ave.
Spokane, WA 99201

Phone: (509) 328-3371

Fax: (509) 328-8224

E-Mail Address: spokane@taylorengr.com**Transmittal via Facsimile**

To: NRC Date: 7/19/07
Attn: RICHARD LEDNARD Time: 9:00 AM
FAX: 1-817-860-8188
From: RANDY BUDANO Subject: NEW RSD
(TAYLOR ENGINEERING)

Message consists of 3 page(s) including cover sheet.

RICHARD,
SORRY I DIDN'T GET THIS TO YOU YESTERDAY.
AS PER YOUR REQUEST A LETTER FROM
TAYLOR ENGINEERING, INC. SIGNED BY
MARK ARONSON AS WELL AS A COPY OF
OUR WASHINGTON STATE RADIOACTIVE MATERIALS LICENSE
STATING I AM THE RSD FOR TAYLOR ENGINEERING.
THANKS FOR YOUR TIME.

RANDY BUDANO

Original to be mailed ☐ Yes ☐ No



Taylor Engineering, Inc.

Civil Design and Land Planning

July 18, 2007

Nuclear Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-4005

RE: **RSO Taylor Engineering**

To Whomever it may concern:

This letter is to inform you that Kory Edwards is no longer our Radiation Safety Officer and that Randy Budano will be taking over his duties as RSO for Taylor Engineering.

If you should have any concerns please feel free to call either Randy or myself at (509) 328-3371.

Sincerely,

TAYLOR ENGINEERING, INC.

Mark Aronson, P.E.
Principal

Principals:

*Perry M. Taylor, P.E.
Stanley R. Stirling
Mark A. Aronson, P.E.
David C. Larsen, P.E.
Ronald G. Pace, P.E.*

Associates:

*Scott M. Busch, P.E.
Frank R. Ide, A.S.I.A.
Chris H. Mansfield, P.E.
Thomas K. Stirling*

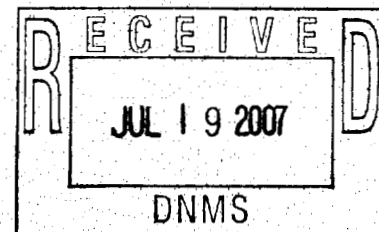
Chief Financial Officer:

Edwin G. Wagnild

State of Washington

RADIOACTIVE MATERIALS LICENSE

Page 1 of 1

License Number: WN-10293-1
Amendment No. 18**TAYLOR ENGINEERING, INC.**
106 West Mission Avenue
Spokane, Washington 99201Attention: Randy Budano
Radiation Safety OfficerIn accordance with amendment request information referenced in License Condition 23.C,
Radioactive Materials License Number WN-10293-1 is amended as follows:**License Condition 12 is amended to read:**

12. The Radiation Safety Officer for this program shall be Randy Budano.

License Condition 23.C is added:

23.C. Letter and attachments dated May 30, 2007, RE: change of Radiation Safety Officer.

FOR THE STATE OF WASHINGTON DEPARTMENT OF HEALTH

Date June 11, 2007
(07-06-01)By Pamela J. Walsh
Pamela J. Walsh
55 Radioactive Materials Licensing

No 471443

This is to acknowledge the receipt of your letter/application dated
7-19-07, and to inform you that the initial processing,
which includes an administrative review, has been performed.

7-24-07
DATE

☒ There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

☐ A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 471443.
When calling to inquire about this action, please refer to this mail control number.
You may call me at 817-860-8103.

Sincerely,

Colleen Murnahan

Licensing Assistant

(FOR LFMS USE)
INFORMATION FROM LTS

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Program Code: 03121
Status Code: 0
Fee Category: 3P
Exp. Date: 20170228
Fee Comments:
Decom Fin Assur Req'd: N
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Decom Fin Assur Req'd: N

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