

## ACCEPTANCE REVIEW MEMO (ARM)

Licensee: New World Environment, Inc. License No.: 04-27745-01  
Docket No.: 03036174 Mail Control No.: 471391  
Type of Action: Notify Date of Requested Action: 05-30-07  
Reviewer Assigned: ARM reviewer(s): Cook

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

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.

yes 14 day notification to licensee  
Branch Chief's and/or Sr. HP's Initials: JMC Date: 6/8/07

### 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: JMC Date: 6/8/07

## Pre-Licensing Screening

### Applicant Information:

Control No. 471391

|                                   |                          |                      |
|-----------------------------------|--------------------------|----------------------|
| Name: New World Environment, Inc. | Type of Request: Notify  | Program Code(s):     |
| Location: CA                      | License No.: 04-27745-01 | Docket No.: 03036174 |

### STEP 1—Radioactive Materials and Quantities Requested:

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| <b>Instructions for Step 1: Complete Step 1 for all applications.</b> 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)

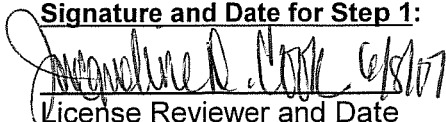
| Radionuclide | Risk Significant Quantity (TBq <sup>1</sup> ) | Risk Significant Quantity (Ci <sup>1</sup> ) | Radionuclide        | Risk Significant Quantity (TBq <sup>1</sup> ) | Risk Significant Quantity (Ci <sup>1</sup> ) |
|--------------|-----------------------------------------------|----------------------------------------------|---------------------|-----------------------------------------------|----------------------------------------------|
| 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 <sup>2</sup> | 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                                           |

<sup>1</sup> The primary values are TBq. The curie (Ci) values are for informational purposes only.

<sup>2</sup> 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.<br><b>NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).</b> | 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

Doc Dennis, RSO  
New World Technology  
448 Commerce Way  
Livermore, CA 94551  
Sacramento Office Phone: (916) 429-0651  
Cell Phone: (916) 919-6977

## facsimile transmittal

**To:** USNRC, Division of Nuclear Material Safety **Fax:** (817) 860-8263

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**From:** Doc Dennis, RSO **Date:** 6/1/2007  
USNRC RAM License # 04-27745-01

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**Re:** Notification of activities at temporary job site; Change in schedule **Pages:** 3 including cover

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Should you have any questions please do not hesitate to contact me at (916) 919-6977.

Original notification called for schedule to begin 6/1/07 and end 6/3/07.

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**Note:** Hard copy to follow via USPS.

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No 471391

ML071550493



New World Environmental, Inc., d.b.a.

**New World Technology** *Bringing you the Technology of the New World*

Phone: 925-443-7967 Fax: 925-443-0119

United States Nuclear Regulatory Commission  
Region IV  
Attention: Director, Division of Nuclear Material Safety  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011

Date: 6/1/07

Subject: Notice of Schedule Change for Temporary Job Site Activities LAW NRC  
License # 04-27745-01

Licensee: New World Environmental, Incorporated dba: New World Technology

RE: Initial Notification of activities under the above license,

New World Environmental (NWT) respectfully notifies the U.S. Nuclear Regulatory Commission as defined above of temporary job site status. All site activities have been delayed as noted below.

Specific Site Location: Dahlgren Laboratory, Dahlgren, VA

Estimated Start Date: 6/15/07

Estimated Completion Date: 6/18/07

NWT Project Specific  
Point of Contact / Title:Daniel Spicuzza/Project  
ManagerTelephone: \_\_\_\_\_  
Mobile: (412) 848-  
7022

Estimated type, quantity and physical/chemical forms of licensed material:  
Soil potentially contaminated with depleted uranium (U-238).

Description of project activities:



New World Environmental, Inc., d.b.a.

**New World Technology** *Bringing you the Technology of the New World*

Phone: 925-443-7967 Fax: 925-443-0119

Removal of contaminated soils during shoreline restoration activities.  
Perform Final Status Surveys and surveys of two outdoor open land areas.

Waste Management and disposition:  
Packaging and onsite storage.

Final Survey Results Summary:  
To be determined

Complications/Unexpected encounters with radioactive materials:  
To be determined

Respectfully,

Doc Dennis, RSQ  
New World Environmental, Inc  
(916) 919-6977

:  
 : (FOR LFMS USE)  
 : INFORMATION FROM LTS  
 : -----

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Program Code: 03234
Status Code: 0
Fee Category: 4B 3N 2C 1D
Date: 20120228

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Decom Fin Assur Req'd: Y
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### A. REGION

Applicant/Licensee: NEW WORLD ENVIRONMENTAL, INC.  
Received Date: 20070530  
Docket No: 3036174  
Control No.: 471391  
License No.: 04-27745-01  
Action Type: Notifications

Amount: \_\_\_\_\_  
Check No.: \_\_\_\_\_

Signed \_\_\_\_\_  
Date 6-27-07

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_/)

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cation may be processed for:

Allienumient  
Renewal  
License

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Signed \_\_\_\_\_  
Date \_\_\_\_\_