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DNMS

March 10, 2008

**United States Nuclear Regulatory Commission**  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-4005

ATTN: Mr. James L Montgomery, Health Physicist  
Nuclear Materials Safety Branch B

RE: **RSO change**  
Docket: 030-37599  
License: 53-29282-01  
Control: 471617

Dear Mr. Montgomery:

Regarding the above referenced license, please issue an amendment to the license to identify Mr. Michael L. Boss as Radiation Safety Officer named on the license. His credentials are attached to this letter.

Thank you for your attention to our request. If you have any question please call me at 808-620-1083

Sincerely,

Michael Bredlie  
Project Engineer, RSO

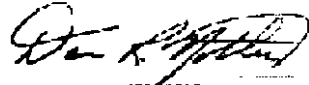
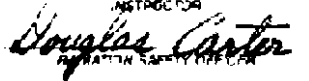
CC: File

# Certificate Of Completion

This is to certify that MICHAEL BOSS has completed the  
*CPN<sup>®</sup> Radiation Safety Officer Seminar for Nuclear Gauges.*  
held this 20th day of June 19 95 in the  
City of Medford State of OR by Boart Longyear Company

Boart Longyear Company  
2850 3rd Ave  
Madison, WI 53704-1154  
Phone: (608) 238-9770  
Fax: (608) 238-3167



  
INSTRUCTOR  
  
RADIATION SAFETY INSTRUCTOR

No 25791

# Certificate Of Completion

This is to certify that MICHAEL BOSS has completed the basic CPN<sup>®</sup> training course on Radiation Safety and Use of Nuclear Gauges, held this 19th day of June 19 95 in the City of Medford State of OR by Boart Longyear Company.

Boart Longyear Company  
1830 West Third  
Medford, Oregon 97504 U.S.A.  
Phone: (503) 225-8973  
Fax: (503) 251-1100



*Don R. Miller*  
Douglas Carter  
RADIATION SAFETY OFFICER

## ACCEPTANCE REVIEW MEMO (ARM)

**Licensee:** Kiewit Pacific, CO

**License No.:** 53-29282-01

**Docket No.:** 030-37599

**Mail Control No.:** 471727

**Type of Action:** Amend

**Date of Requested Action:** 03-10-08

**Reviewer Assigned:**

**ARM reviewer(s):** Torres

Response	Deficiencies Noted During Acceptance Review
	<input type="checkbox"/> Open ended possession limits. Submit inventory. Limit possession. <input type="checkbox"/> Submit copies of latest leak test results. <input type="checkbox"/> Add IC L.C./Fingerprint LC, add SUNSI markings to license. <input type="checkbox"/> Confirm with licensee if they have NARM material.

**Reviewer's Initials:** \_\_\_\_\_

**Date:** \_\_\_\_\_

- Yes  No Request for unrestricted release Group 2 or >. Consult with Bravo Branch.
- 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 HP's Initials:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### SUNSI Screening according to RIS 2005-31

Yes  No **Sensitive and Non-Publicly Available** 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

APR - 2 2008

**Branch Chief's and/or HP's Initials:** RTZ **Date:** \_\_\_\_\_

## Checklist to Ensure That Radioactive Material Will Be Used as Intended

### Applicant Information:

Control No. 471727

Name: Kiewit Pacific, CO	Type of Request: Amend Program Code(s): 03121
Location: HI	License No.: 53-29282-01      Docket No.: 030-37599

### STEP 1, ITEM A - INITIAL SCREENING

<p><b>Instructions for Step 1:</b> Complete Step 1 for all applications. If Step 1, Items A and B, are "YES" then do not complete Step 2. Sign and date the completed form and add it to ADAMS as Non-Sensitive and Non-Publicly Available. If a "NO" response is indicated for Item A or Item B, add the completed form to ADAMS as Sensitive and Non-Publicly Available, and complete Step 2 (Additional Screening). If the type of use is subject to a Security Order, complete Step 3, Item A, without delay. If the additional requirements for increased controls will be applied or voided, complete Step 3, Item B, without delay.</p>	YES or NO
A. The applicant is a known entity or a licensee transferring control to a known entity. This determination has been made using the screening criteria in Worksheet A below.	Yes

### Worksheet A

<p><b>Instructions for Worksheet A:</b> Answer each of the 6 questions below by placing a "Yes", "No", or "NA" response in the column on the right. Best practices for a reviewer are provided after each of the questions. If the answer to any of the 6 questions is "Yes" then indicate "Yes" in Step 1, Item A, above. If the answers to all of the 6 questions is "No" then indicate "No" in Step 1, Item A, above. <b>NOTE</b> - If the reviewer has personal knowledge of the applicant's veracity, this can be taken into account in responding to any questions. For example, if the applicant's management and/or RSO have been associated with a current or previous NRC or Agreement State license, then the applicant may be considered as a known entity.</p>	YES, NO, or NA
1. Does the applicant have a current Agreement State or NRC license? The reviewer should 1) confirm that a valid license/registration/authorization exists for the applicant; and 2) compare the current license to the application to verify that the application represents a reasonable expansion of the licensee's operation (i.e., medical facility adding a gamma knife or an Agreement State licensee obtaining an NRC license in order to work in NRC jurisdiction without filing reciprocity).	Yes
2. Does the applicant have a current Agreement State or NRC license at another location and the new application represents the addition of a new facility within the scope of the licensee's core business? The reviewer should contact the appropriate licensing authority to confirm that a valid license/registration/authorization exists for the applicant and the corporate office of the licensee to verify that it has knowledge of and approves of the new application.	
3. Does the applicant have a current State or Federal government license, registration, authorization, etc., for other operations within the scope of its proposed license activities? (e.g., a company authorized by a State for mining that is now requesting authorization to use fixed gauges). The reviewer should contact the appropriate government office to confirm that the license, registration, authorization, etc., is valid; and the applicant's corporate office to confirm that it has knowledge of and approves of the new application to possess radioactive materials.	
4. Is the applicant a local, State or Federal government agency? The reviewer should contact the local, State or Federal government office to confirm that the applicant is a government entity.	
5. Does the application only involve the relocation of an existing licensee, or its mailing address, to another State? This includes new licenses created from existing licenses listing locations in multiple States, in preparation for transfer of licenses to States that will shortly sign an Agreement with the NRC.	
6. Is the application only the result of a licensee failing to submit a renewal application in a timely manner?	

**STEP 1, ITEM B - INITIAL SCREENING CONTINUED**

<p>B. The applicant is requesting certain radionuclides and quantities that are less than the Risk Significant Quantity (TBq) values in Worksheet B, below, as "highlighted" by the reviewer, or is currently subject to a security order or additional requirements for increased controls. If "Yes", there is no need to proceed further.</p>	<p>NA</p>
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**Worksheet B - 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)	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.

<p>Calculations of the Total Activity or the Unity Rule were completed.  <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></p>	<p>Yes, No, or Not Applicable (NA)</p>
<p>Total Activity—multiple activities are requested for a single radionuclide and the sum of the activities is less than the Risk Significant Quantity (TBq) for the radionuclide.</p>	<p><del>X</del></p>
<p>Unity Rule—multiple radionuclides are requested and the sum of the ratios is less than 1.0, e.g., [(total activity for radionuclide A) + (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) + (risk significant quantity for radionuclide B)] &lt; 1.0.</p>	

**Signature and Date for Step 1:**

 APR - 2 2008  
 License Reviewer and Date

4-08-08  
DATE

This is to acknowledge the receipt of your letter/application dated 3-10-08, and to inform you that the initial processing, which includes an administrative review, has been performed.

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:

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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** 471727.  
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

BETWEEN: : (FOR LFMS USE)  
 : INFORMATION FROM LTS  
 : -----  
 License Fee Management Branch, ARM : Program Code: 03121  
 and : Status Code: 0  
 Regional Licensing Sections : Fee Category: 3P  
 : Exp. Date: 20180228  
 : Fee Comments: \_\_\_\_\_  
 : Decom Fin Assur Req'd: N  
 : ::

LICENSE FEE TRANSMITTAL

A. REGION

I. APPLICATION ATTACHED  
 Applicant/Licensee: KIEWIT PACIFIC, CO.  
 Received Date: 20080317  
 Docket No: 3037599  
 Control No.: 471727  
 License No.: 53-29282-01  
 Action Type: Amendment

2. FEE ATTACHED  
 Amount: \_\_\_\_\_  
 Check No.:       /      

3. COMMENTS

Signed Colleen Murnahan  
 Date 3-20-08

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

I. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:  
 Amendment \_\_\_\_\_  
 Renewal \_\_\_\_\_  
 License \_\_\_\_\_

3. OTHER \_\_\_\_\_

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



WITPACIFIC CO.  
KAMOKUA BLVD., #305  
POLO, HAWAII 96707

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Arlington, Texas 76011-4005