

Sara A.B. Forster
MATERIALS LICENSING BRANCH



TELECON & FAX TRANSMITTAL

TO: file

COMPANY: N/A

NUCLEAR REGULATORY COMMISSION
REGION III
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LISLE, ILLINOIS 60532-4351

PAGES: 2 TEL.: N/A

FAX #: N/A

(630) 829-9892 FAX: (630) 515-1078

EMAIL: N/A

CONVERSATION RECORD

	TIME	DATE
	09:30 am	September 28, 2011
NAME OF PERSON(S) CONTACTED	TELEPHONE NO.	ORGANIZATION
Zhongshan (John) Zhang	(812) 471-1200	Oncology Hematology Associates of S.W. Indiana
REPRESENTED PERSON or PERSONS		ORGANIZATION
Zhongshan (John) Zhang, M.Sc., Radiation Safety Officer		Oncology Hematology Associates of S.W. Indiana
SUBJECT		
License No.: 13-32700-01		Control No.: 575578

SUMMARY

We have reviewed your requesting license amendment request and find that we are unable to continue this action until we have received information regarding the following:

1. Under 10 CFR 35.50 (c), the Radiation Safety Officer must have experience with the radiation safety aspects of similar types of use of byproduct material for which the individual has Radiation Safety Officer responsibilities. Under 10 CFR 35.50 (d), the proposed RSO must obtain a written preceptor attestation that the individual has satisfactorily completed the requirements in 10 CFR 35.50 (c). An NRC Form 313A (RSO) should be prepared, containing the training information, and is needed in order to add the 35.300 use of material to the license.

RESPONSE: The licensee indicated, via phone conversations on September 28, 2011, that he had received the required training from Dr. Miller, while both were still on the St. Mary's license, NRC Lic. No. 13-03226-04, within the past four years, and would provide documentation of the same via facsimile, on or before September 29, 2011, including signature by a qualified preceptor RSO and/or the Authorized User who provided the training. A signed NRC Form 313A (RSO) was received via facsimile on September 29-30, 2011. No additional response is required.

2. The request to add sodium iodide I-131 to the license indicated that the dose would be measured via a well-counter CRC 25W/260173. It is unclear what is meant by a "well counter." Please indicate whether the dose is actually being measured by a dose calibrator, and provide written confirmation of the same.

RESPONSE: The licensee indicated, via phone conversation on September 28, 2011, that the I-131 dose would be measured with a dose calibrator, and that the indicated model number CRC 25W/260173 refers to the same. A written confirmation of the same was received via facsimile on September 29, 2011. No additional response is required.

3. To increase the activity of Iridium-192 in the HDR unit, calculations are required to demonstrate that 10 CFR Part 20 dose limits will not be exceeded. The calculations should include sufficient information regarding distances, shielding materials, and other assumptions in order that the NRC may independently confirm that the Part 20 limits will not be exceeded, and that calculations are reasonably accurate. However, the NRC has found that the enclosed calculations omit ceiling thickness and material, and are not readily reproduced. Please provide a confirmation that the calculations are adequate, including additional details sufficient that the NRC may confirm that 10 CFR Part 20 limits will not be exceeded when an increase in source size is authorized.

RESPONSE: The licensee indicated, via phone conversation on September 28, 2011, that calculations would be reviewed and additional information would be submitted to the NRC on or before September 29, 2011. Updated information was received via facsimile on September 29, 2011, and was reviewed in light of the calculations submitted in support of the initial application. No additional response is required.

We have requested that you submit the referenced items

- RSO 10 CFR 35.300 training documentation;
- Statement confirming that a dose calibrator will be used to measure I-131 doses; and
- Calculation details and/or assumptions demonstrating 10 CFR Part 20 limits will not be exceeded.

– via facsimile, to (630) 515-1078. Please reference the Control No. 575578, as listed at the top of this memo. We expect to hear from you on or before September 29, 2011. **The information requested has been received via facsimile on September 29, 2011. No additional information is needed.**

For future reference, please always include the name, phone number and fax number of at least one person whom we may contact for additional information when reviewing your licensing correspondence and requests.

Please submit the requested information within 1 day of this record. **Include reference control number 575578, Please FAX your response to my attention at (630) 515-1078.** You may also scan your response and send to me via email, as a pdf file.

Please direct any questions you have to me at (630) 829-9892 or sara.forster@nrc.gov.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Sara A.B. Forster

Sara A.B. Forster 09/30/2011

[Signature] 10/5/11