

2 August 2012

U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4351

LICENSE No: 24-21362-01

CONTROL No.577564

ATTN: Kevin Null

SUBJECT: Request for Additional Information (RFAI) dated 8/1/12

Gentlemen:

American Radiolabeled Chemicals, Inc (ARC) presents the attached information in response to your request dated 8/1/12. The answers will be incorporated into SOP 42 and this SOP will be transmitted separately.

1. Describe the expected amount of time that it will take to complete the work.

It is assumed that all repairs will be completed in 1 to 2 work weeks..

2. Describe the types of surveys that will be performed of the workers after they complete their work each day. Include action levels and actions that will be taken if thresholds are exceeded.

Whole body frisks will be performed at the end of the work day and at the lunch break.

Action level is any area that exceeds twice the local background.

Actions taken at this level will be decontamination of any skin areas. Decon of clothing and/or equipment are described in the reply to question 7, below.

3. Describe the program for conducting bioassay of workers to evaluate for intakes of radionuclides.

A baseline sample will be taken prior to start of work. Samples will be taken at the completion of each work week and dose determined. (If the project should run longer two work weeks , additional samples will be taken at appropriate intervals)

Samples will be treated in accordance with ARC's Bioassay Program..

4. Describe the surveillance and monitoring of the workers by ARC personnel while work is being performed on the roof.

As the Building 300 roof has been detail surveyed and cleaned, no coverage other than the above mentioned whole body frisks and bioassay is envisioned on this building.

Building 100/200 will have the contaminated patches removed by ARC personnel. After this removal, intermittent HP coverage will be provided for contract workers on this roof in addition to frisks and bioassays

5. Describe how you will determine if waste generated from the work is, or is not, contaminated, and further describe who will handle the was and how and where it will be stored on ARC property for disposal.

From the detailed survey taken of the 100/200 roof any square with any contamination greater than 5000 dpm/ 100 sq cm fixed or 1000 dpm/ 100 sq cm removable anywhere on the square is assumed to be contaminated.

Each contaminated square of membrane (approx ¼ in thick) will be removed by ARC personnel and cut to fit waste boxes. These will be stored in the SeaLand container until the next RadWaste shipment.

6. Describe PCE that workers will wear in order to prevent and/or limit personnel contamination.

Workers replacing shingles on the clean roof of building 300 will work in street clothes.

Workers on building 100/200:

ARC personnel removing contaminated membrane, coveralls, booties, and gloves

Contractors, booties and gloves, except for

Any work with interior of exhaust duct.

7. Describe action levels for contaminated clothing and ARC's plans to either decontaminate the clothing or store it as RadWaste for disposal

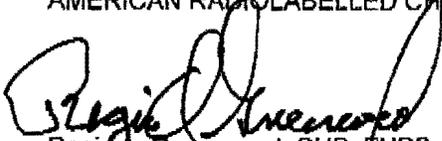
Action levels are those for release to the general public.

Any item exceeding these levels will be either cleaned to below release level or held as RadWaste.

If there are any questions, contact me directly at the above numbers.

Sincerely

AMERICAN RADIOLABELLED CHEMICALS, INC


Regis A. Greenwood, CHP, FHPS
Radiation Safety Officer
American Radiolabeled Chemicals