

2/10/06

Braidwood

### LICENSEE QUESTIONNAIRE Onsite Radiological Effluent Monitoring Program

Phase I (Near term response)

- |  | Yes  | No  |
|--|--|---|
| 1. Does the licensee have radioactive groundwater monitoring wells onsite?   | <input checked="" type="checkbox"/>                              | <input type="checkbox"/>  |
| If YES: How many wells: <u>None prior to tritium event - 15 permanent plus numerous temporary wells now.</u>   |  |   |
| Where are they located (e.g., distributed around/throughout the site, in a particular region of the site and/or near particular buildings/structures, etc.)      | <u>most onsite wells are near discharge line</u>                 |   |
| (a.) within the Protected Area   | <u>2 permanent</u> <input checked="" type="checkbox"/>           | <input type="checkbox"/>  |
| (b.) within the Radiologically Restricted Area   | <input type="checkbox"/>   | <input checked="" type="checkbox"/>   |
| (c.) within the owner-controlled area  | <u>13 permanent</u> <input checked="" type="checkbox"/>          | <input type="checkbox"/>  |
| (d.) at what frequency does the licensee sample/analyze the wells  | <u>did not do prior to event - have not determined freq. yet</u> |   |
| (e.) for what radionuclides does the licensee monitor  |  |   |
| Gamma emitters (gamma Spec)  | <input checked="" type="checkbox"/>                              | <input type="checkbox"/>  |
| Tritium  | <u>15 pCi/l</u> <input checked="" type="checkbox"/>              | <input type="checkbox"/> <u>Co &amp; Cs plus various MDA's for other isotopes</u> |
| Gross Beta   | <u>200 pCi/l</u> <input type="checkbox"/>                        | <input checked="" type="checkbox"/>   |
| Other: _____   | <input type="checkbox"/>   | <input checked="" type="checkbox"/>   |
|  | If Yes - at what MDA _____                                       |   |
|  | If Yes - at what MDA _____                                       |   |
| 2. If the licensee does NOT have an onsite radioactive groundwater monitoring program:   |  |   |
| (a.) Does the licensee plan to implement a groundwater monitoring program.   | <input checked="" type="checkbox"/>                              | <input type="checkbox"/>  |
| If Yes, when and to what extent: <u>They will be adding additional onsite &amp; offsite wells to regular quarterly groundwater REMP monitoring.</u>              |  |   |
| (b.) Does the licensee plan to take other measures to assure they can identify radioactive groundwater contamination   | <input type="checkbox"/>   | <input checked="" type="checkbox"/>   |
| 3. Does the licensee have a surveillance program to periodically walkdown outside areas around the site to look for potential leaks and spills?                  | <input type="checkbox"/>   | <input checked="" type="checkbox"/>   |
| 4. Does the licensee perform any other onsite monitoring (e.g. soil sampling) to identify unexpected radioactive releases  | <input type="checkbox"/>   | <input checked="" type="checkbox"/>   |
| 5. Does the licensee's radioactive liquid discharge line traverse any non-licensee owned areas (e.g., it is on a right-of-way surrounded by private properties)? | <input checked="" type="checkbox"/>                              | <input type="checkbox"/>  |

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6. If the licensee has a discharge pipe that runs underground or any underground piping that carries radioactive liquids, does the licensee perform monitoring along the discharge pathway to identify potential leakage.
- Yes  No

If YES,

How frequently is the sampling performed: Walkdown every 6 months prior to event - daily now - haven't decided on long-term plan

For what radionuclides does the licensee monitor: Visual check only

## Phase II (Longer Term Response)

7. Historical Onsite Radioactive Contamination:
- (a.) Does the licensee have any history of radioactive spills and/or leaks outside of buildings? Yes  No
- Are they documented in their 50.75g file   some
- (b.) Has the licensee identified onsite radioactive groundwater contamination? Yes  No

If YES:

Uranium team still working on extent of condition.

➤ When was it identified - IF known:  
Dates: \_\_\_\_\_

Condition Report No: \_\_\_\_\_  
(If available)

➤ To what extent - IF known [square footage, estimated ground depth of the contamination, estimated quantity (volume / concentration), etc.]

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

➤ Has the contamination moved outside the Restricted Area or the owner-controlled area

8. Comments: Licensee recently performed acoustic leak check of discharge line and did not find any leaks. All previously identified leaks have been from vacuum breakers (1, 2, 3, 4, & 7). No leaks ever from underground pipe itself as far as they know.