

Liquid waste may be stabilized provided the SNM concentration does not exceed the SNM concentration limits in Condition 1. For containers of liquid waste with more than 600 kilograms of waste, the total mass of SNM shall not exceed the SNM concentration in Condition 1 times 600 kilograms of waste. Waste containing free liquids and solids shall be mixed prior to treatment. Any solids shall be maintained in a suspended state during transfer and treatment.

6. Envirocare shall require generators to provide the following information for each waste stream:

Pre-shipment

a. Waste Description. The description must detail how the waste was generated, list the physical forms in the waste, and identify uranium chemical composition.

b. Waste Characterization Summary. The data must include a general description of how the waste was characterized (including the volumetric extent of the waste, and the number, location, type, and results of any analytical testing), the range of SNM concentrations, and the analytical results with error values used to develop the concentration ranges.

c. Uniformity Description. A description of the process by which the waste was generated showing that the spatial distribution of SNM must be uniform, or other information supporting spatial distribution.

d. Manifest Concentration. The generator must describe the methods to be used to determine the concentrations on the manifests. These methods could include direct measurement and the use of scaling factors. The generator must describe the uncertainty associated with sampling and testing used to obtain the manifest concentrations.

Envirocare shall review the above information and, if adequate, approve in writing this pre-shipment waste characterization and assurance plan before permitting the shipment of a waste stream. This will include statements that Envirocare has a written copy of all the information required above, that the characterization information is adequate and consistent with the waste description, and that the information is sufficient to demonstrate compliance with Conditions 1 through 4. Where generator process knowledge is used to demonstrate compliance with Conditions 1, 2, 3, or 4, Envirocare shall review this information and determine when testing is required to provide additional information in assuring compliance with the Conditions. Envirocare shall retain this information

as required by the State of Utah to permit independent review.

At Receipt

Envirocare shall require generators of SNM waste to provide a written certification with each waste manifest that states that the SNM concentrations reported on the manifest do not exceed the limits in Condition 1, that the measurement uncertainty does not exceed the uncertainty value in Condition 1, and that the waste meets Conditions 2 through 4.

7. Sampling and radiological testing of waste containing SNM must be performed in accordance with the following: one sample for each of the first ten shipments of a waste stream; or one sample for each of the first 100 cubic yards of waste up to 1,000 cubic yards of a waste stream, and one sample for each additional 500 cubic yards of waste following the first ten shipments or following the first 1,000 cubic yards of a waste stream. Sampling and radiological testing of debris waste containing SNM (that is exempted from sampling by the State of Utah) can be eliminated if the SNM concentration is lower than one tenth of the limits in Condition 1.

8. Envirocare shall notify the NRC, Region IV office within 24 hours if any of the above conditions are not met, including if a batch during a treatment process exceeds the SNM concentrations of Condition 1. A written notification of the event must be provided within 7 days.

9. Envirocare shall obtain NRC approval prior to changing any activities associated with the above conditions.

Based on the staff's evaluation, the Commission has determined, pursuant to 10 CFR 70.14, that the exemption of above activities at the Envirocare disposal facility is authorized by law, and will not endanger life or property or the common defense and security and is otherwise in the public interest. Accordingly, by this Order, the Commission grants an exemption subject to the stated conditions. The exemption will become effective after the State of Utah has incorporated the above conditions into Envirocare's radioactive materials license. In addition, at that time, the Order transmitted in January 2003 will no longer be effective.

Pursuant to the requirements in 10 CFR part 51, the Commission has prepared an Environmental Assessment for the proposed action and has determined that the granting of this exemption will have no significant impacts on the quality of the human environment. This finding was noticed

in the **Federal Register** on October 16, 2003 (68 FR 59645).

The request for the modifying the Order are available for inspection at NRC's Public Electronic Reading Room at <<http://www.nrc.gov/reading-rm/adams.html>> ML031950334. Staff's Environmental Assessment and Safety Evaluation Report may be obtained at the above web site using ML032691442 and ML032680942. Any questions with respect to this action should be referred to Anna H. Bradford, Environmental and Performance Assessment Branch, Division of Waste Management, Office of Nuclear Material Safety and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. Telephone: (301) 415-5228, Fax: (301) 415-5397.

Dated at Rockville, Maryland this 16th day of December, 2003.

For the Nuclear Regulatory Commission.

Martin J. Virgilio,

Director, Office of Nuclear Material Safety and Safeguards.

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NUCLEAR REGULATORY COMMISSION

Radiac Research Corp., Brooklyn, New York; Receipt of Request for Action Under 10 CFR 2.206

Notice is hereby given that by petition dated November 3, 2003, Mr. Michael B. Gerrard, representing Neighbors Against Garbage, *et al.* (petitioners), have requested that the Nuclear Regulatory Commission (NRC) take action with regard to Radiac Research Corporation Brooklyn, New York, a licensee with the New York State Department of Labor.

The petitioners requested that the NRC use its authority to protect the common defense and security under the Atomic Energy Act of 1954 to close the Radiac facility. As the basis for the request, the petitioner stated that the radioactive waste storage operation adjoining a hazardous waste transfer and storage operation at the Radiac Research Corporation in Brooklyn, New York represented a significant risk.

The request is being addressed pursuant to 10 CFR 2.206 of the Commission's regulations. The request has been referred to the Director of the Office of Nuclear Material Safety and Safeguards. As provided by Section 2.206, appropriate action will be taken on this petition within a reasonable time. A copy of the petition is available for inspection in the Agencywide Documents Access and Management System (ADAMS), which provides text