

DCD (SP03)

**From:** "McGhee, Dan" <DMCGHEE@health.state.ia.us>  
**To:** "tjo@nrc.gov" <tjo@nrc.gov>  
**Date:** Wed, Nov 10, 1999 11:25 AM  
**Subject:** Request for Technical Info (SP-99-074) 2nd Installment

Tom-

My previous message provided Iowa's response to Questions 42 and 43 of the congressional letter. This message contains our answers to the questions in the "Information Request on Release of Solid Materials" which was attached to the State Programs letter.

I'm sending you a file in Word '97 format. If you have trouble opening it, please let me know.

Thanks,

Dan <<INFO Request.doc>>

**CC:** "Flater, Don" <DFLATER@health.state.ia.us>, "lab@..."

11-10-99

SP-A-4

SP-AG-9

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## INFORMATION REQUEST ON RELEASE OF SOLID MATERIALS

We are seeking Information on your current Agreement State program practices with respect to the release of solid materials (including soil), that have surface and/or volumetric contamination. The enclosed table excerpts criteria for release of sites for unrestricted use that Agreement States submitted to NRC in response to an All Agreement States Letter dated September 20, 1993 (SP-93-139). This reflects the current Information we have on your State's release criteria for both Atomic Energy Act (AEA) and naturally occurring radioactive materials (NORM). Please note that this attached table was inadvertently transmitted with All Agreement States Letter dated October 29, 1999 (SP-99-073). Your response to the six questions below, with respect to surficial and/or volumetric contamination of solid materials containing AEA material or NORM, would be greatly appreciated by November 12, 1999.

1. How were your State's radiological criteria derived and to what type of materials (e.g., medical, pipe scale) do they apply? If Regulatory Guide 1.86 was used as a basis please indicate so, if another technical basis was used, please provide that basis.

Our criteria apply to all sources of radioactive materials. The levels are those that show compliance with our compatible counterpart of 10 CFR 20 Subpart E.

2. How are your State's radiological criteria applied (e.g., through guidance, licensing actions, regulations)?

These criteria are applied through rules contained in the Iowa Administrative Code, our counterpart to regulations.

3. What surveying/monitoring methodologies are used? If NUREG/CR-5849 or MARSSIM are used, please indicate so. If a State developed or another method is used, please provide that method.

We use MARSSIM methodologies.

4. What type of instruments (e.g., manual versus automated, hand-held versus stationary, barrel counters versus conveyor systems) and what sensitivity (i.e., lower limit of detection) values are used as selection criteria for instruments used in demonstrating compliance with the radiological criteria provided in response to Question 1?

We use the types of instruments, with associated sensitivities, appropriate to detect and measure with statistical significance the activity under scrutiny at a particular time.

5. If your release criterion is zero, how do you have your licensees determine that a solid to be released is not radioactive or meets the zero criterion?

We do not have a non-zero criterion.

6. If any State licensees currently have volumetric release authorization, please identify the licensees and whether the quantities released are tracked, summarize the scope of these authorized activities, and provide the criteria used in granting the authorization.

No licensees currently have that authorization.

Enclosure:

As stated