

A1

**Joustra, Judith**

**From:** Joustra, Judith *RI*  
**Sent:** Sunday, June 26, 2011 12:54 PM  
**To:** Kauffman, Laurie  
**Subject:** Re: Applicability of SNM possession limits during transportation (from Parks SLDA)

Thanks  
Sent via blackberry device

*RI Release*

---

**From:** Kauffman, Laurie *RI*  
**To:** Joustra, Judith  
**Sent:** Thu Jun 23 14:55:50 2011  
**Subject:** RE: Applicability of SNM possession limits during transportation (from Parks SLDA)

*RI Release*

I provided my availability; working around the Tuesday PEC prep meeting/ CTE internal discussion and the Wednesday PEC. Thanks.

---

**From:** Joustra, Judith *RI*  
**Sent:** Thursday, June 23, 2011 2:43 PM  
**To:** Kauffman, Laurie  
**Subject:** RE: Applicability of SNM possession limits during transportation (from Parks SLDA)

*RI Release*

I have a few questions. It may not make a difference but is Energy Solutions (ES) going to Alaron and are they removing the contents of the intermodals and placing into the gondolas? ES would repackage and (be the shipper) ship to Utah. Doesn't ES do this type of activity routinely? Does Alaron need to make the transfer from intermodal to gondolas?

You should be part of the discussion. However, you must be available for the GeoConcepts activities next week (Pre brief & PEC) Please let Yolande aware of your availability.

---

**From:** Kauffman, Laurie *RI*  
**Sent:** Thursday, June 23, 2011 2:25 PM  
**To:** Joustra, Judith  
**Cc:** Roberts, Mark; Modes, Kathy  
**Subject:** FW: Applicability of SNM possession limits during transportation (from Parks SLDA)

*RI Release*

FYI - I became aware of the ALARON question today during the SLDA bi-weekly phone call.  
Note: In a separate e-mail today (SLDA biweekly phone call summary), I provided to you a brief summary that included an outline of PADEPs concern.

Please see below for the e-mail string for the details.

I would like to sit in on the phone call next week to keep abreast of the issue.

Laurie Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions 5 + 6  
FOIA/PA 2011-0289

E-17

*FSME*  
**From:** Norman, Yolande  
**Sent:** Thursday, June 23, 2011 1:43 PM  
**To:** Sollenberger, Dennis; Adams, Mary; Pham, Tom; Horn, Brian; Kauffman, Laurie  
**Cc:** Lemoncelli, Mauri; Chang, Lydia; Norman, Yolande  
**Subject:** RE: Applicability of SNM possession limits during transportation (from Parks SLDA)

*FSME*  
*(EYS)*  
*Yolande K.*  
*08/01*

Hello Everyone,

I am Yolande Norman, the project manager for the SLDA site. I think it would be helpful for us all to talk in-house about the aforementioned issue and PADEPs questions on this matter. Since I have bit of institutional knowledge about the project, perhaps we could get together for about 30 minutes to talk about it. The US Army Corps of Engineers will actually be performing the remediation activities at the SLDA site and coordinating disposal activities for >DGCGL material with DOE. A USACE representative will also be available to participate in a telecon.

*FSME*

In my teleconference call with USACE this morning, I informed them about the Alaron issue which was being presented by PADEP and contemplated by NRC's staff. USACE indicated that if transferring the material from the intermodals to the gondolas for a few days would be an issue, then Alaron will simply go back to their original plan of keeping the material in the intermodals for shipment to the Clive, Utah facility. Of concern to USACE is any potential delays to the start of the SLDA remediation activities.

My dates of availability are as follows;

Mon, June 27<sup>th</sup> (all day)

Tues. June 28 (pm)

Wed., June 29, (all day)

Thurs., June 30 (all day)

Fri, July 1 (pm)

*FSME*  
**From:** Sollenberger, Dennis  
**Sent:** Wednesday, June 22, 2011 10:34 AM  
**To:** Adams, Mary  
**Cc:** Norman, Yolande  
**Subject:** RE: Applicability of SNM possession limits during transportation (from Parks SLDA)

*FSME*  
*(EYS)*  
*Yolande K.*

Mary:

I finally have time to address your email. As I understand it, Alaron will be taking containers of waste from Parks township remediation to their site and emptying them into gondola train cars for shipment to EnergySolutions in Utah. This activity is under a contract with EnergySolutions.

*FSME*

(b)(5)

Dennis M. Sollenberger  
301-415-2819  
[dennis.sollenberger@nrc.gov](mailto:dennis.sollenberger@nrc.gov)

*Yolande*

**From:** Adams, Mary NMSS  
**Sent:** Tuesday, June 14, 2011 1:48 PM  
**To:** Sollenberger, Dennis  
**Cc:** Norman, Yolande  
**Subject:** FW: Applicability of SNM possession limits during transportation (from Parks SLDA)

Hi Dennis and Yolande,

(b)(5)

**From:** Chipppo, John (DEP) [mailto:jchipppo@state.pa.us]  
**Sent:** Monday, June 13, 2011 2:20 PM  
**To:** Adams, Mary  
**Cc:** Werner, Bryan  
**Subject:** FW: Applicability of SNM possession limits during transportation

Ms. Adams,

I have spoken with Donna Janda from Region I and she directed me to you to see if you could help me.

I have included an email and attachments (see below) from one of our licensee's (Aларon), and what they would like PA to allow them to do. The original email is included along with some questions we had and Alaron's reply. I figured that it would be easier if you could read the email chain than to try to explain it over the phone. Basically what I need to know is if we can actually allow Alaron to do what they are proposing (which is highlighted in red). Thank you very much for your help.

John

John S. Chipppo | Radiation Protection Program Supervisor

Department of Environmental Protection

Rachael Carson State Office Building

400 Market Street

Harrisburg, PA 17101

Phone: 717-787-2208

<mailto:jchipppo@state.pa.us>

[www.dep.state.pa.us/brp](http://www.dep.state.pa.us/brp)

-----Original Message-----

**From:** Wallace, Jonathan [mailto:wallacej@alaron-nuclear.com]  
**Sent:** Thursday, May 12, 2011 6:48 AM  
**To:** Chipppo, John (DEP)  
**Subject:** RE: Applicability of SNM possession limits during transportation

John,

Here are answers to your questions, but I am sure it would facilitate things if we could talk. I am waiting on some additional information so that I can better speak to your concerns. If you can find the time, I am available at your convenience for a conference call.

Norfolk Southern railroad provides service Wednesday and Friday. Gondolas loaded on a Friday could sit here until the following Wednesday.

The planned schedule is 12 gondolas a week. Worst case we could have as many as ten filled gondolas on site Wednesday afternoon before Norfolk Southern comes to take them away.

EnergySolutions tells me that since the contents of the SLDA trenches are not completely characterized there is a possibility that some gondolas may be shipped as Radioactive Material, excepted package-limited quantity of material (UN2910). In any event, all the gondolas will meet the Energy Solutions SNM exemption requirement (attached) that is a condition of their Clive Utah bulk waste cell license. I have attached a copy of the NRC's safety evaluation for this exemption. If they are DOT-regulated, the gondolas would also meet the requirements for fissile excepted packages in 49 CFR 173.453 (c).

Jonathan

---

**From:** Chipppo, John (DEP) [mailto:jchipppo@state.pa.us]  
**Sent:** Tuesday, May 10, 2011 10:52 AM  
**To:** Wallace, Jonathan  
**Cc:** Allard, David; Malers, Robert; Melnic, Joseph; Janati, Rich; Werner, Bryan  
**Subject:** RE: Applicability of SNM possession limits during transportation

Mr. Wallace,

Concerning your below email regarding the Departmental confirmation of your SNM possession limits, the Department has some questions. Can you please explain in more detail how long you expect the gondolas to sit on your site, either partially or fully loaded, before shipment to Utah? And how many gondolas you expect to have on site at once. Also, we will also need written confirmation that all materials arriving for bulking will, in fact, arrive at your facility as DOT exempt. Should you feel it necessary, we could schedule a conference call involving any interested parties to discuss.

John

John S. Chipppo | Radiation Protection Program Supervisor  
Department of Environmental Protection  
Rachael Carson State Office Building  
400 Market Street  
Harrisburg, PA 17101  
Phone: 717-787-2208  
<mailto:jchipppo@state.pa.us>  
[www.dep.state.pa.us/brp](http://www.dep.state.pa.us/brp)

---Original Message---

**From:** Wallace, Jonathan [mailto:wallacej@alaron-nuclear.com]  
**Sent:** Friday, April 22, 2011 10:38 AM

Comments to  
05/14

Comments to  
05/14

To: Janati, Rich

Subject: Applicability of SNM possession limits during transportation

Rich Janati, M.S.

Chief, Division of Nuclear Safety  
Department of Environmental Protection

Rich,

In light of our telephone conversation April 21, Alaron is requesting confirmation that our radioactive material license (PA-0678) possession limits for Special Nuclear Material (SNM) do not apply in the particular instance of bulking for transportation the soil and debris from the Parks Township Shallow Land Disposal Area (SLDA) in Armstrong County. See the Army Corps of Engineers Pittsburgh District information on the project at <http://www.lrp.usace.army.mil/fusrap/slda.htm#project>

Energy Solutions has the contract for the waste disposal and approached Alaron to bulk intermodals from the project into lidded gondola cars for shipment by rail to their Clive UT facility. We anticipate the SLDA waste would come to us by truck in roll-off intermodals (steel closed lid nominal 25 cubic yard) as DOT exempt concentration (no DOT markings, labeling, placards, hazardous materials shipping papers, or package requirements). We would dump the intermodals directly into a gondola the day each intermodal arrives and close the gondola for shipment by the end of the day. The shipping papers for each intermodal would show Energy Solutions' Clive UT Bulk Waste Facility as the consignee. Alaron would prepare a rail waybill (referencing the shipping papers for each intermodal in the gondola) for the gondola containing the bulked material.

You may be aware that Alaron did the same bulking operation for the Kiski Valley Water Pollution Control Authority, also in Armstrong County, back in 2006. As with the Kiski project, the SLDA waste contains low-level enriched uranium, enough that there would be an issue about possession limits (Alaron is limited to 350 grams U-235 in enriched uranium) if we received the material for processing or storage. The Kiski material was unlicensed (although there was ~ 130 g U-235 SNM per gondola) so there was no NRC form 741 (SNM transaction report) or Uniform Low-Level Radioactive Waste Manifest (ULLRWM) and the waste went to American Ecology's Baytown TX facility. PA DEP was involved with the project so there was tacit approval from Bureau of Radiation Protection and NRC Region 1 (we were still NRC-licensed back then) agreed with the approach since the waste was not NRC-licensed.

The SLDA waste is low enough concentration that Energy Solutions can receive it at their Clive UT bulk waste facility with no regard to the SNM grams. As I mentioned, it is not even DOT-regulated. However, it is coming from a licensed facility (BWV Technologies) so there will be a 741 and ULLRWM included with the shipping papers each truck shipment. Energy Solutions anticipates the Army Corps (Bill Lenart, Project Manager, (b)(6)) will ask for written approval from PA DEP to Alaron to bulk the SLDA material irrespective of SNM quantities as we did with the Kiski waste.

I appreciate your timely response to my initial telephone call and your offer to direct this request. Please contact me should you need further information or have any questions.

Jonathan

Jonathan Wallace Radiation Safety Officer  
Veolia ES Alaron, LLC  
2138 State Rt. 18, Wampum, PA 16157  
Phone: 724-535-5777 Ext 214 Fax: 724-535-1165  
(b)(6) Email: [wallacej@alaron-nuclear.com](mailto:wallacej@alaron-nuclear.com)

**Service First, Safety Always.**

*This e-mail message from Veolia Environmental Services Alaron (d.b.a. Alaron Nuclear Services) is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please communicate with the sender by reply e-mail and destroy all copies of the original message and delete same from all computers.*