

**From:** "Kevin Taylor" <ktaylor@energysolutions.com>  
**To:** "Marjorie McLaughlin" <MMM3@nrc.gov>  
**Date:** Fri, Feb 17, 2006 3:43 PM  
**Subject:** RE: Documented references to sand at Whittaker site

Thanks. I believe this information will be helpful.

Kevin Taylor  
EnergySolutions, LLC

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

From: Marjorie McLaughlin [mailto:MMM3@nrc.gov]  
Sent: Friday, February 17, 2006 3:39 PM  
To: Kevin Taylor  
Subject: Documented references to sand at Whittaker site

Kevin:

I have been reviewing the archived files for Whittaker to find references to the sand material, per our discussion yesterday. I have an AEC inspection report from 1970 that contains some detail on how the columbium ore was processed and describes the sand. It seems that the sand lined the bottom of a pit in the building where the processing took place. Crucibles were placed on the sand and filled with the ore, some stainless steel, and aluminum. The mixture was heated to melting, then the crucible was lifted and the material cooled. After cooling, the mass was moved outside and the ferro-columbium chipped off with hammers. The remaining (thoriated) slag was stored on site (in what is now our area).

There are other documents referencing sand, and I am pulling these together for you. The inspection report is hard to read (even the original copy), and I think it would be illegible if faxed. I photocopied it and will mail it to you with anything else I find. These documents pre-date ADAMS, but are acceptable for public release. I also have the characterization surveys that were performed on the slag pile area. Since those are applicable to the current licensed area, I will be sending those to be placed in ADAMS. When they are in, I'll provide you with the accession numbers, since I am not sure you have copies.

Again, info relative to the sand, I will mail and info relative to the slag waste area, I will enter into ADAMS and get you the accession numbers.

Let me know if you have any questions,

Marjorie

Marjorie McLaughlin

Health Physicist  
USNRC Region I Decommissioning  
610-337-5240 (Phone)  
610-337-5269 (Fax)

A/124

**Mail Envelope Properties** (43F6356E.CEA : 2 : 23786)

**Subject:** RE: Documented references to sand at Whittaker site  
**Creation Date** Fri, Feb 17, 2006 3:45 PM  
**From:** "Kevin Taylor" <[ktaylor@energysolutions.com](mailto:ktaylor@energysolutions.com)>  
**Created By:** [ktaylor@energysolutions.com](mailto:ktaylor@energysolutions.com)

**Recipients**

nrc.gov  
kp1\_po.KP\_DO  
MMM3 (Marjorie McLaughlin)

**Post Office**  
kp1\_po.KP\_DO

**Route**  
nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1938	Friday, February 17, 2006 3:45 PM
Mime.822	3086	

**Options**

**Expiration Date:** None  
**Priority:** Standard  
**ReplyRequested:** No  
**Return Notification:** None  
  
**Concealed Subject:** No  
**Security:** Standard