

## **Springs, Chanel**

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**From:** John Miller [jjmiller@intisoid.com]  
**Sent:** Wednesday, August 03, 2011 10:29 AM  
**To:** Guardiola, Maria; Bartlett, Matthew  
**Subject:** FW: Excavation and soil removal at the INIS site  
**Attachments:** IIFP EXCAVATION AND GRADING 08-01-11.docx

Maria/Matt,

The following is the explanation regarding soil disturbance.

### **RESPONSE TO THE EIS NRC FOLLOW UP QUESTIONS ABOUT SOIL REMOVAL DURING CONSTRUCTION OF THE IIFP HOBBS NM FACILITY.**

Excavation and Grading For Pre-Construction and Phase 1 Construction:

#### **Pre-Construction**

The 40-acre IIFP Facility site will be leveled by grading to provide an approximately level grade at Elevation 3797 ft. Approximately 26 acres on the northeast will be cut approximately one foot in depth resulting in a cut of an estimated 42,400 cubic yards. This cut will be used as fill in the northwest and southwest areas and in two small playas on the west side of the site (approximately 18 acres). The amount of fill required will be approximately 42,600 cubic yards, resulting in a deficit of 200 cubic yards of fill that will be obtained from the 640 acre site.

#### **Phase 1 Facility Construction (Excavation)**

During construction, a 2-ft depth of topsoil (approximately 3100 cubic yards) will be removed in the areas of buildings and adjacent pads to provide adequate bearing for concrete floors/pads. Additionally, an estimated 4000 cubic yards will be removed at an approximate 2-ft depth in the areas for the full-and empty- depleted uranium hexafluoride cylinder pads. The fill back to the required level will be made with material having soil-compacting specifications suitable for the load bearing requirements that will be determined later during the detail engineering of the project.

Foundations and footings for buildings, tanks and equipment and for evaporation basins and the storm and sanitary sewer systems will require excavation of an equivalent 4150 cubic yards (excavation less backfill).

The roadbed for the access road from Highway 483 to the 40-acre site will require approximately 8800 cubic yards of fill. This fill is expected to be done by using most of the 11,250 cubic yards of material that will come from the excavations described in the above two paragraphs. Any excess (or unsuitable fill material) will be spread approximately 6" deep and compacted over an estimated one-to-two acre area of the 640 acres and in this case material will be obtained from suitable areas of the 640 acre site for building the roadbed. (Note: the roadbed work was originally described in the ER RAI responses as part of the Pre-construction timeframe. It is now considered as part of the Phase I construction owing to the timing of the available backfill obtained from the subject Phase 1 construction excavations. The grading and temporary preparation of a construction-access road will be included in the Pre-Construction activities. These noted changes will be documented in the updated IIFP Environmental Report, Revision B along with inclusion of the RAI response updates.)

John

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**From:** [thomasjh@comcast.net](mailto:thomasjh@comcast.net) [<mailto:thomasjh@comcast.net>]  
**Sent:** Tuesday, August 02, 2011 6:41 PM  
**To:** John Miller  
**Cc:** Steve Laffin; Donnie Chumbler; [thomasjh@comcast.net](mailto:thomasjh@comcast.net); [thomaset@comcast.net](mailto:thomaset@comcast.net); [sheri@apts.comcastbiz.net](mailto:sheri@apts.comcastbiz.net)  
**Subject:** Re: Excavation and soil removal at the INIS site

John,

Attached is a response to the EIS subject question. Please review for concurrence and send an email with the response attachment to Maria and those other NRC staff on the original "cc". Note that Maria's comment on the "10% soil being disturbed" was a general statement in the ER/RAI that less than 10% of the total site (640 acres) area would be disturbed; it does not correlate to the amount of soil removed.

Jim

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**From:** "John Miller" <[jjmiller@intisoid.com](mailto:jjmiller@intisoid.com)>  
**To:** "Maria' 'Guardiola" <[Maria.Guardiola@nrc.gov](mailto:Maria.Guardiola@nrc.gov)>  
**Cc:** "Matthew' 'Bartlett" <[Matthew.Bartlett@nrc.gov](mailto:Matthew.Bartlett@nrc.gov)>, "Asimios' 'Malliakos" <[Asimios.Malliakos@nrc.gov](mailto:Asimios.Malliakos@nrc.gov)>, "Jim Thomas" <[thomasjh@comcast.net](mailto:thomasjh@comcast.net)>  
**Sent:** Monday, August 1, 2011 9:59:45 AM  
**Subject:** RE: Excavation and soil removal at the INIS site

Maria,

We will work on this and send a response via email.

John

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**From:** Guardiola, Maria [<mailto:Maria.Guardiola@nrc.gov>]  
**Sent:** Thursday, July 28, 2011 2:52 PM  
**To:** 'John Miller'  
**Cc:** Bartlett, Matthew; Malliakos, Asimios  
**Subject:** Excavation and soil removal at the INIS site

John,

The EIS folks have asked how much soil would be excavated during preconstruction and construction and what would be done with it? Also, how deep the excavation will be for the soil removal? I did a quick look in the RAI responses and found that only 10% of the soil will be disturbed. Do you think it would be possible to provide this additional information via email?

Please respond as soon as possible to avoid any delays in the DEIS..

Thanks,

Maria Guardiola