

**Goering, Darlene, NMENV**

**From:** Don Hickmott [dhickmott@lanl.gov] **Sent:** Thu 7/28/2005 5:05 PM  
**To:** Goering, Darlene, NMENV  
**Cc:** john.Pietz@shawgrp.com; lwoodworth@doeal.gov  
**Subject:** Re: 260 Outfall Remedy Selection  
**Attachments:**

Darlene, Yes, we think this would be a final remedy. However, this would require monitoring (and perhaps maintenance if the monitoring indicated problems). In the CMS report (sections 4.5 and 7.2) we note that we would install a monitoring well at the downgradient end of the grout mass and monitor this quarterly for 3 years and semiannually for two years. As noted in our response to NOD comment 7 (section 4.5 of redline), if water is detected there, additional grouting would be implemented. In addition, we anticipate that the details of such response actions to remedy monitoring would be provided in the operations and maintenance plan that we believe will be part of the CMI plan. I don't think that grout breakdown is likely - John Pietz tells me that the typical grouting material is bentonite, which is extremely stable. Structural failure seems unlikely inasmuch as the surge bed is so narrow. If you have any more questions, please let me know. Thx Don

At 02:31 PM 7/27/2005, you wrote:

Don,

I am working on the statement of basis for the 260 outfall CMS and need some information in addition to what was provided in the CMS Report NOD response. For the grouting of the surge bed alternative, is this considered a final remedy that will not need future maintenance or monitoring (other than what will be done for the existing cap)? If so, please describe. Is there a potential for failure of the grouting alternative besides what is associated with determining extent of the surge bed (i.e., grout break down or structural failure)? Please be specific as possible in your responses because this will become part of the record. Thanks.

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