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JEB FORT STORY, VA  
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E-MAIL TRANSMITTING RESULT OF IDW SOIL AND GROUNDWATER TESTS 80TH  
DIVISION RESERVE SITE FORT STORY VA  
2/28/2003  
INSTALLATION RESTORATION PROGRAM FORT EUSTIS

## Bateman, Joanna G

**From:** Bateman, Joanna G  
**Sent:** Friday, February 28, 2003 11:45 AM  
**To:** 'trparnell@deq.state.va.us'  
**Subject:** FW: 80th DRS IDW and Groundwater Results

0183

**Importance:** Low



Groundwater  
Table.xls (91 KB)



IDW Soil Table.xls  
(33 KB)

Good morning Tony. Results of the IDW soil and groundwater at the 80th Division Reserve Site at Fort Story are attached. No constituent concentrations exceeded the TCLP regulatory limits but there were some chlorinated organics (PCE, TCE, cis 1,2-DCE) detected in a few of the soil and groundwater samples (less than 10 ppb). IAW the Final Fort Eustis Generic Quality Assurance Project Plan, dated SEPT 02, Section B2.1.8 under Groundwater states, "If analytical results (groundwater sample results from each well) are at typical background concentrations, then the purge water would not be regulated as solid waste (per VDEQ Policy for Handling of IDW) and therefore, the water will be applied to the ground surface at the monitoring well. Approval of this disposal approach will be required by VDEQ after submission of analytical results to VDEQ for review." Please contact me if a formal request, not e-mail, is required for this review and if the actual analytical results are needed rather than the summarized table in the attachment above.

Thank you.

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

**From:** Pace, Tony [mailto:TPace@PIRNIE.COM]  
**Sent:** Thursday, February 27, 2003 10:02 AM  
**To:** Joanna Bateman (E-mail)  
**Subject:** 80th DRS IDW and Groundwater Results  
**Importance:** Low

Joanna,

I have attached the results of the IDW soil and groundwater at the 80th DRS at Fort Story. The soil results are TCLP/RCRA/TPH samples from the actual drums. The water results are the actual groundwater results from the monitoring wells (we did not sample the drums since we know what is in them based on the actual groundwater results). No constituent concentrations exceeded the TCLP regulatory limits (no surprise there) but there were some detects of chlorinated organics (PCE, TCE, cis 1,2-DCE) in a few of the soil and groundwater samples at very low concentrations (less than 10 ppb).

<<Groundwater Table.xls>> <<IDW Soil Table.xls>>  
Soil Cuttings Management - Pursuant to Section B2.1.8 of the EPA and VDEQ-approved Final Fort Eustis Generic Quality Assurance Project Plan, dated September 2002, "If analytical results are less than the IDW test parameters, then the containerized soil cuttings will be discharged to the ground surface at the well/boring location where the soil was generated." In other words, you can place the soil out of the drum onto the ground surface.

Groundwater Management - Pursuant to same section provided above in the generic QAPP, there are three possible disposal scenarios for the containerized purge water. They are summarized as follows:

1. If analytical results (groundwater sample results from each well) are at typical background concentrations, then the purge water would not be regulated as solid waste (per VDEQ Policy for Handling of IDW) and therefore, the water will be applied to the ground surface at the monitoring well. Approval of this disposal approach will be required by VDEQ after submission of analytical results to VDEQ for review. - I clearly would classify the groundwater data as typical background for wells MW-1 (is upgradient of the former tanks), MW-2 (upgradient), MW-3 (upgradient), MW-6 (downgradient but not impacted), MW-10 (downgradient but not impacted), and MW-11 (downgradient but not impacted) and this water can be applied to the ground surface.

2. If analytical results are above typical background levels but less than TCLP and RCRA regulatory limits, then the containerized purge water will be classified as solid wastes and disposed of accordingly in a RCRA Subtitle D or special waste facility. - Monitoring wells MW-5 (PCE and TCE present), MW-7 (PCE, TCE, and cis 1,2-DCE present), MW-8 (PCE and TCE present), and MW-9 (PCE present) would be classified in this category with water to be managed as a solid waste (RCRA Subtitle D). However, the concentrations are very low and no impacts would be noted if these waters were also placed on the ground surface at the well they were collected from. However, this is your call.

3. If analytical results are above the TCLP or RCRA limits, then the containerized purge water will be classified as hazardous waste with storage, record keeping, and disposal (RCRA Subtitle C facility) procedures followed accordingly for hazardous wastes." - No waters classified in this category.

Call with any questions.

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