



## Environmental Restoration

Meeting Summary

September 8, 2009 • 4:30 p.m.

The Ohio State University Endeavor Center  
1862 Shyville Road, Piketon, OH 45661

**Committee Members Present:** Gene Brushart, Ed Charle, Stephen Martin, and Larry Parker

**Executive Committee:** Dick Snyder

**DOE Representatives:** Dave Kozlowski and Greg Simonton

**DOE Employees, Contractors and Regulators:** John Klingshirn and Steven Thompson, CDM; Cid Voth and Kristi Wiehle, DOE; Sandy Childers, Bill Franz, Dave Sharp, and Miles Smith, LATA/Parallax; Janie Crowwait, RSI

**Liaisons:** Maria Galanti and Kris Vanecko, Ohio EPA; Michael Rubadue, Ohio Dept of Health

**Support Staff:** Julie Galloway and Brandy Moore, EHI

**Dick Snyder** opened the Environmental Restoration Committee meeting in the absence of the Committee Chair Cristy Renner.

**1. Review of Agenda**

- Agenda approved

**2. Review of August summary**

- Summary approved

**3. On-going Remediation Activities – Monthly Status**

**Franz** covered the monthly status report.

A copy of this handout is available online at [www.ports-ssab.org](http://www.ports-ssab.org).

- X-746 Shipping and Receiving Building Removal
- X-701B Groundwater Plume Treatment
- X-344C Investigation/Removal of Concrete Pad
- 7 -Unit Groundwater Plume Investigation
- X-770 Pad Removal

<b>Question/Comment:</b>	<b>Answer:</b>
<b>Parker</b> Where does the Asbestos go?	<b>Franz</b> To the Energy Solutions disposal site in Clive, Utah. <b>Galanti</b> Some of the Asbestos also goes to

	Pike Sanitation.
<b>Snyder</b> When the pad comes out do you resample?	<b>Franz</b> No, when the test is performed they drill down thru the pad, we already have an idea of what is there.
<b>Snyder</b> When does a document become public?	<b>Franz</b> When the document has been released to the Ohio EPA.

**4. Presentation: X-701B Soil Sampling Analysis Plan (SAP) Preliminary Results**

**Klingshirn** gave a briefing on the X-701B Soil Sampling and Analysis Plan (SAP) Soil Sampling, conducted to support the source area interim remedial measures that will be funded under the American Recovery and Reinvestment Act.

A copy of this handout is available online at [www.ports-ssab.org](http://www.ports-ssab.org).

<b>Question/Comment:</b>	<b>Answer:</b>
<b>Snyder</b> Could the TCE be migrating?	<b>Klingshirn</b> Yes, TCE is heavier than water, it will migrate vertically until it hits the shale then it will go horizontal. <b>Kozlowski</b> We have very dense soil at our site so the contamination moves slowly.
<b>Parker</b> What do you contribute to the TCE not being higher under the pond?	<b>Klingshirn</b> We did not expect to see much in the pond area due to the previous technologies done there at the site. The TCE is sitting on the bottom. TCE is 1½ times heavier than water so it wants to sink. The TCE will move to a natural drainage.
<b>Charle</b> What would be your best guess of what is down there?	<b>Kozlowski</b> Below the shale, we have deeper ground water wells; the Sunbury shale is stopping any deeper contamination. Checking the wells on our site is a routine and TCE is not getting down to the ground water in the deeper aquifer.
<b>Snyder</b> At what point is the Sampling Analysis Plan considered done or a success?	<b>Klingshirn</b> Investigation itself is 95% complete. We have investigated 1/3 of the X-701B plume (a four-acre area west of Perimeter Road). We know what is the primary source area. We will not have to wait for all results to meet with the designers on the interim measures. <b>Galanti</b> The regulatory expectation is to clean up the TCE to PRGs: 5 ppb for groundwater and 48 ppb for soils. The first six cells will be the test to make sure the (hydrogen peroxide treatment) recipe is correct.

	<b>Stewart</b> We will attack the source area in that 1/3 area. It's a focused digout of the source area.
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**5. Presentation/Discussion: Integrated Groundwater Monitoring Plan**

**Galanti** gave an overview of the Integrated Groundwater Monitoring Plan, explained that Table 1 is a script of what is sampled, also where and why it is sampled. There is a copy of this plan in the EIC, it is also posted on the website, and Cristy Renner has a hard copy. If any of the members have questions or concerns we can set some time aside to go over this in more detail. A copy of this report is available online at [www.ports-ssab.org](http://www.ports-ssab.org).

**6. Presentation: Next in a Series on PORTS Environmental Monitoring Program – National Pollutant Discharge Elimination System (NPDES)**

**Thompson** gave a presentation and stated this is an insert to the binder that you have from the last meeting when Del Baird gave the presentation. A copy of this handout is available online at [www.ports-ssab.org](http://www.ports-ssab.org).

<b>Question/Comment:</b>	<b>Answer:</b>
<b>Parker</b> Do you do spot checks of the lab?	<b>Thompson</b> DOE Audits that is part of the process to be a certified lab.

**7. Public Comment**

None

**8. Concerns/Issues**

<b>Question/Comment:</b>	<b>Answer:</b>
<b>Brushart</b> DOE has been going through this cleanup for years and now accelerated cleanup for possibly 20 years. If we are cleaning up the waste now what about more waste generated from new projects, potentially centrifuge, or another initiative like the Clean Energy Park in the future? How do you answer that?	<b>Kozlowski</b> Cannot speak for Clean Energy or American Centrifuge, we will analyze what has to be done for new concepts, and our cleanup will evaluate all those analysis. An estimate of volumes and types of waste that would be generated and how it would be dispositioned was done for the DUF6 project under the Environmental Impact Statement. For storage of nuclear materials, they must follow Nuclear Criticality Safety requirements and follow the safety basis for any potential impacts from operations.

**9. Review of Action Items**

- DOE will release any documents at the public release stage
- EHI will post the Integrated Groundwater Monitoring Plan to the website
- EHI will provide the Cross-Reference from the Portsmouth Gaseous Diffusion Plant Environmental Sampling Binder

**Meeting adjourned**

*The ER committee was combined with a new committee at the October 3, 2009, SSAB meeting; the October meeting was cancelled. The new committee will meet Tuesday, November 10, 2009 at 4:30 pm.*