

**From:** [Helton, Kelsey](#)  
**To:** [Robin Hallbourg](#); [John Mousa](#)  
**Subject:** FW: Petition for Variance - UIC - Koppers- ISBS pilot  
**Date:** Tuesday, January 29, 2008 5:40:27 PM  
**Attachments:** [ISBS UIC reqmemo 10-02-07.pdf](#)  
**Importance:** High

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Robin, John- The attached September UIC Memo served as the design for the ISBS pilot study. The design must be consistent with the DEP variance (when issued) and UIC rules. The DEP January 12 ISBS design review comments (forwarded to you separately ) are based on my review of this UIC memo and represent our technical recommendations for monitoring as well as what is specified by the variance. Have not heard back from Beazer on comments nor have I seen a revised UIC Memo as yet. - Kelsey

*The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.*

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**From:** Helton, Kelsey  
**Sent:** Tuesday, October 09, 2007 9:54 AM  
**To:** McCarty, Cathleen  
**Cc:** Helton, Kelsey; Darji, Mubeen  
**Subject:** FW: Petition for Variance - UIC - Koppers  
**Importance:** High

Hi, Cathy- Attached is the UIC application for Na permanganate chemox pilot injection at the Koppers Superfund site that we discussed previously. The larger issue was whether or not a variance would be required due to the difference in injectate concentrations proposed as compared to prior variances issued to the vendor. I believe you had also indicated that a site specific proposal might address the need for a State wide variance? Please keep me in the loop on the process if variance is determined to be needed and let me know if you have further site specific questions. Thanks- Kelsey Helton, DEP/BWC/HWCS (245-8969)

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**From:** Dale Foster [mailto:[dfoster@keyenvir.com](mailto:dfoster@keyenvir.com)]  
**Sent:** Monday, October 08, 2007 9:55 AM  
**To:** Crandall, Lea  
**Cc:** Helton, Kelsey; Jim Mueller; Council, Greg; Erickson, Jim; Neale Misquitta; Joe Kasper  
**Subject:** Petition for Variance - UIC

Lea,

Please accept the attached electronic submittal of a petition for variance for injection associated with site remediation. This is a site specific variance petition. Kelsey Helton provides oversees this project through the Bureau of Waste Cleanup, and can provide project background information.

If the attached file is too large, let me know and we can break it down into several smaller files.

Thank you in advance for your assistance,

Dale Foster  
KEY Environmental, Inc.

(412) 279-3363

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