

What's Happening in the Division of Environmental Quality

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Midwest Environmental Compliance Conference May 2017







DEQ Programs





Missouri's BVCP: Not Just A Brownfield Redevelopment Program

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Hazardous Waste Program





Is Voluntary Cleanup Relevant in the Environmental Compliance Realm?



Brownfields/Voluntary Cleanup Program

"Classic" Brownfields



But Would You Expect...







Property Use During Cleanup



- Half of sites have some type of operating industry or other business at the time of enrollment or at some point during the project.
- Ongoing operations often continue and new businesses start up.













- Large portion of cleanups performed by the responsible party or a corporate successor – 2/3 of sites
- Classic abandoned/contaminated 'brownfields' 1/3 of sites











Benefits of State Voluntary Cleanup Programs

- Get liabilities (\$) off the balance sheet
- Reduce potential legal liability
- Protect workers
- Generate positive PR
- Sustainability
- Avoid enforcement
- Boost property value
- Facilitate sale/redevel/reuse
- Schedule Control
- Really voluntary
- Clean Letter
- Designed from the outset to facilitate reuse/redevelopment





Things to Consider

- Eligibility
- Cost
- Time
- Partners
- What is the ultimate goal?



- All contaminants/media within enrolled parcel
- Land Use Controls (AULs) vs. unrestricted
- Effects on your operations, safety



The Missouri Risk-Based Corrective Action Guidance

- Guides process of site investigation, risk assessment, selection of cleanup goals
- Risk Based = cleanup targets based on land use
- Typical 3-Tiered RBCA Process
- Risk-Based Target Levels (RBTLs) for 200+ chemicals in soil, groundwater, indoor air at Tier 1
- Tiers 2 and 3 allow more site specific inputs
- Current version: 2006
- RBTLs and entire document need periodic updating



Currently Under Revision and Updating

- Two versions: Regulated Tanks and 'everything else' aka 'Departmental Guidance'
- Current revision addresses only the departmental guidance (not Tanks)
- Brownfield/Voluntary Cleanup Program sites are essentially the only sites using it
- Toxicological Data and Modeling Methods in need of updating







Best Results Are Always Obtained with Stakeholder Involvement

- 30-40 participants
- Consultants, industry, DNR, DHSS
- Present topics, ideas and proposed approaches
- Listen to comments, experiences, suggestions
- Several meetings already
- DNR will use results to create Revised Draft Guidance for review and comment by public



What are the biggest changes?

- New Tier 1 RBTL tables
 - Updated Toxicity values
 - Updated exposure models
 - New contaminants (200 -> 800)
 - Some RBTLs will go up, some will go down
 - Subsurface soil target levels for volatiles
- Petroleum RBTLs would go down (more stringent); BUT, PVI !
- Chlorinated solvents toxicity changes
- Vapor Intrusion Assessment major overhaul
- Cumulative Risk calculations
- Guidance will be much more clear/concise/usable

MISSOURI E-START Environmental Site Tracking And Research Tool

Newly Updated Interactive Site Map

http://dnr.mo.gov/ESTART/





For Additional Information

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