



Riverside/Site 0153 Indianapolis, IN

Superfund Deferral Public Meeting
March 25, 2017



Introductions

- Peggy Dorsey, IDEM, Assistant Commissioner, Office of Land Quality.
- Jessica Fliss, IDEM, Senior Environmental Manager, Federal Programs Section, Office of Land Quality.
- Katherine Thomas, Remedial Project Manager, U.S. Environmental Protection Agency (U.S. EPA).



Background

- IDEM received notice in 2013 regarding elevated Vinyl Chloride (VC) and cis-1,2-dichloroethene (cis-1,2-DCE) in the Riverside Municipal Wellfield.
- IDEM conducted a Site Investigation (SI) in 2014 that confirmed these detections in raw water.
- Water delivered to residents meets all Safe Drinking Water Act standards.



Background (cont.)

- The SI identified approximately 90 potential sources of VOC contamination in the five year time of travel of ground water.
- 15 sites are already in one of IDEM's remediation programs (State Cleanup, Voluntary Remediation Program).



Site Location





Background (cont.)

- IDEM's SI and Hazardous Ranking System scoring package determined the site qualifies for the National Priorities List (NPL), or Superfund list.
- Former IDEM Commissioner Easterly sent letter to EPA requesting inclusion on the NPL on August 13, 2015.
- Subsequent discussions with community and civic leaders indicated NPL listing may not be the preferred path forward for cleanup.



NPL Deferment Process

- Commissioner Comer rescinded support for the NPL listing on August 18, 2016.
- The site was proposed to the NPL via the Federal Register September 9, 2016.
- To return the site to the State, the site must be formally deferred.
- Site investigation/cleanup strategy, Memorandum of Agreement, approval by U.S. EPA required for deferral.



NPL Deferment Process (cont.)

- Site Strategy: IDEM's plan for investigation, risk assessment, and cleanup, as well as public involvement, for the site.
- The Strategy must be presented to the public. The public's opinion regarding the deferment and strategy must be taken into account by U.S. EPA during the decision-making process.



Site Strategy

- IDEM has committed to hiring three project managers, one site geologist, and one attorney.
 - One “Lead Project Manager, one “Lead Geologist.”
 - Three “Site-specific Project Managers.”
- IDEM has been granted \$1M/year in funding to pay for work at sites where no responsible parties can be identified.



IDEM Site 0153 Staff

- Lead Project Manager: Ryan Groves (317) 232.3143, rgroves@idem.in.gov.
- Lead Geologist: Sarah Finley Johanson.
- Other assigned PMs: Tim Johnson, Gerald O'Callaghan, and Anne Weinkauff.
- All are senior staff level positions with at least 17 years of experience at IDEM.



Site Strategy (cont.)

- Site-specific Investigation/Evaluation
 - Each potential source area will be evaluated in the State Cleanup Program.
 - Determine individual site contribution to plume, any source located on property, any potential vapor intrusion issues from property.
 - Contribute all data to sitewide investigation.
 - All evaluated by Lead Geologist/Lead PM for compatibility.



Site Strategy (cont.)

- Create Responsible Party Cooperative
 - Any sites without responsible parties will be funded and investigated by IDEM. Funding secured at \$1M/year for this effort.
- Cooperative/IDEM works together to coordinate efforts to determine sitewide ground water plume nature and extent/impact on well fields, etc.



Sitewide Investigation

- Once all individual sites determine nature and extent of contamination, all data and information will be gathered.
 - How sites are connected.
 - Multiple plume behavior analysis.
 - Identification of sources to well fields.
 - Any potential vapor intrusion issues that are not connected to individual sites alone.



Sitewide Remedial Decision

- Site will be evaluated to determine current and potential risk to the community.
- Decision regarding cleanup actions memorialized in Decision Document with public comment period.
- Remedial Action will be funded by Responsible Party Cooperative to the extent practicable.



Community Involvement Plan

- Developed early in the process.
- Intended to memorialize commitments to the community for communication and access to information.
- Will be drafted after input from community regarding their ideas and requests.
- Will maintain/expand website.
- Establish information repository.



Citizens Water Commitments

- Take well WR-3 out of service.
- Install aeration treatment system.
- Test post-treatment to ensure levels are below Maximum Contaminant Levels.
- Increase frequency of sampling to quarterly and share with IDEM.
- Implemented Groundwater Quality Monitoring Program in January 2017.



Next Steps

- U.S. EPA will determine status of deferral.
- U.S. EPA/IDEM sign Memorandum of Agreement (MOA) to memorialize commitments to project, community, and U.S. EPA.
- Project kickoff.



Questions?

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- Katherine Thomas, U.S. EPA, (312) 353-5878 or Thomas.Katherine@epa.gov.