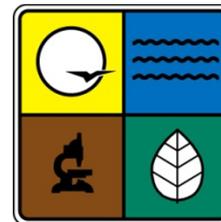


BVCP Project Managers Help in Many Ways

Brian McCurren
**Brownfields/Voluntary Cleanup
Program**



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

What is the Voluntary Cleanup Program?



BROWNFIELDS/VOLUNTARY CLEANUP PROGRAM

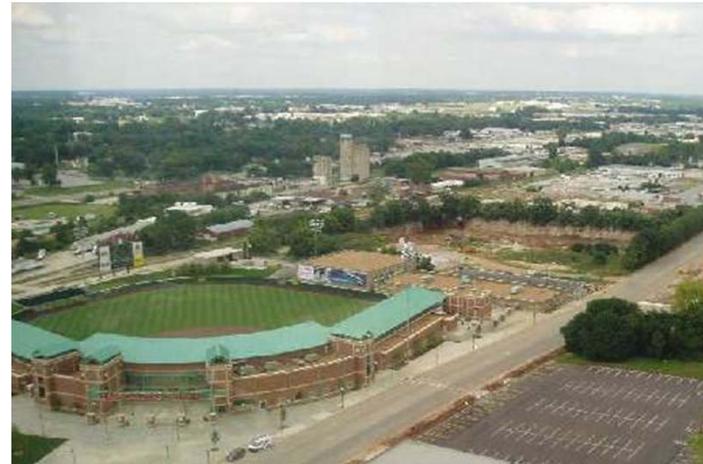
- Phase I & II discover contamination or if spill occurs
- Technical assistance and oversight for investigation and cleanup of contaminated properties
- Fee-for-service program
- You choose your consultant and the cleanup method
- Closure - Certificate of Completion
- Missouri Risk-Based Corrective Action (MRBCA)



Who Enrolls?

Voluntary Cleanup Program

- **Active businesses - to correct problems**
- **Sellers of properties needing cleanup**
- **Buyers of properties needing cleanup**



BVCP ELIGIBILITY EXCEPTIONS

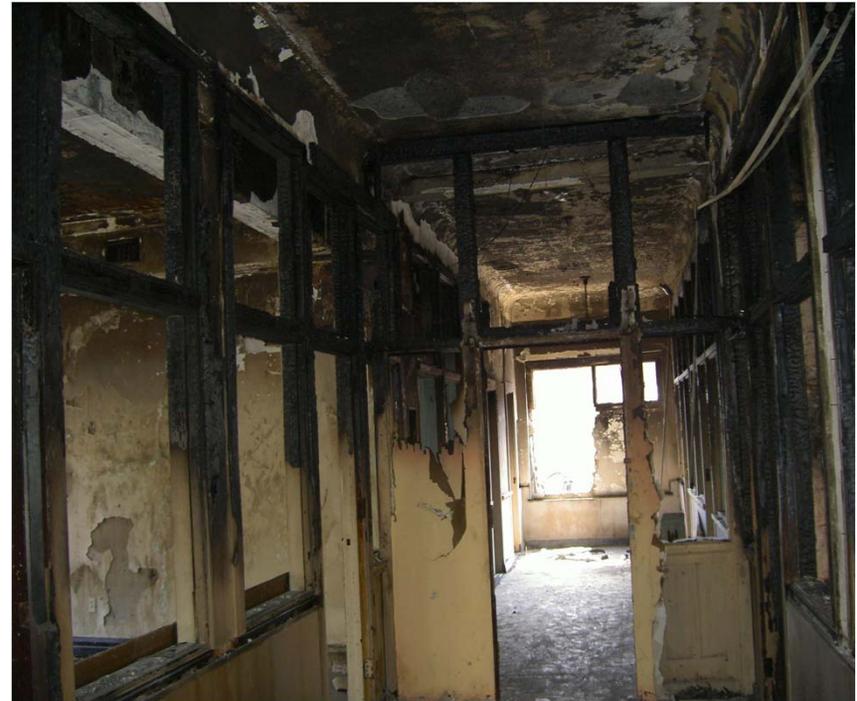
- **Petroleum Storage Tank Insurance Fund (PSTIF) eligible sites**
- **Hazardous material spill sites while still an emergency**
- **Superfund sites that are under consideration for or on the National Priority List**
- **RCRA (Resource Conservation and Recovery Act) Treatment, Storage, and Disposal (TSD) sites**

The application process includes screening by other programs



Working the Site

- Review existing reports
- Comment letters
- Request & approve work plans
- Approve Remedial Action Plan
- Cleanup
- Execute institutional controls
- Certification of Completion (CoC)
- Average of 2 years for CoC (But development can proceed!)



Long-Term Stewardship

- **Environmental covenant according to Missouri Environmental Covenants Act**
 - **Restricted residential, non-residential, non-residential with engineered controls**
 - **No use of groundwater**
 - **No disturbance of soil, disturbance of soil allowed under Soil Management Plan**
 - **Construction restrictions**
- **Covenant filed in chain of title of property**
- **BVCP conducts inspections to make sure restrictions still in place**
- **Monitoring fee: Up to \$15,000**

The Benefits of BVCP



Brownfields Law Reduces Liability

The Small Business Liability Relief and Brownfields Revitalization Act, (Law 107- 118)

- **Provides liability relief for owners and prospective owners of properties cleaned up through state/tribal programs**

Cooperative Program

- **Non-enforcement, non-litigating**
- **Must still follow other applicable regulations**



BVCP Provides Oversight For Your Cleanup

- **Site assessment, Risk assessment, Risk Management**
- **Risk-based: Not required to cleanup to background**
- **MRBCA: Flexible framework which can be tailored to local needs**
- **Long-Term Stewardship**
- **Redevelopment Can Proceed**

Low Costs

- **Application fee is \$200**
- **Deposit of \$1,000 to \$5,000 (max) required**
- **If client withdraws, deposit balance is refunded**
- **If deposit is exhausted, hourly charge is billed**
- **Charges are for site-specific activities**
- **Average project cost is \$3,500**

Financial Incentives

State assistance programs require BVCP enrollment:

- **Brownfields Remediation State Tax Credits - Missouri Dept. of Economic Development**
- **Revolving Loan Funds - Cleanup Loans and Grants through the Environmental Improvement and Energy Resources Authority (EIERA)**

USEPA Competitive Grants competition values BVCP enrollment and may require it in the future.

Certificate of Completion – Definitive Closure

- **Protects human health and the environment**
- **Current with state and federal standards**
- **Clarity**

**BVCP
Project
Managers
Help
In Many
Ways**



Availability

- **Questions about prospective sites**
- **Pre-application and pre-work plan meetings to discuss issues beforehand**
- **Public meetings**
- **City and council meetings**
- **Door-to-door visits**
- **Meetings in our offices or conference calls**
- **Site visits and on-site meetings**
- **Questions by phone or email – including when you're out in the field and work plan changes are needed**

Flexibility

- **Work with you to meet your schedule**
- **Suggest quick, efficient, and cost-saving improvements when applicable**
- **Work with you to utilize new or innovative methods of investigation, remediation, and communication**
- **Provide comfort/status letters**

Assistance

- **Aid in finding financial assistance and incentives**
- **Aid in finding technical guidance**
- **Help you remain aware of other DNR regulatory requirements and find guidance.**
- **Aid in communications with the various regulatory programs**
- **Make sure paperwork is handled properly**
- **Explain things in layman's terms**

Guidance

- **Objective reviewer on investigation and remediation plans**
- **Explaining and clarifying BVCP rules, policies, and procedures**
- **Review work plans and provide guidance on what is required in final report**
- **Provide guidance for using MRBCA and the flexibility that MRBCA allows**
- **Ensure that the site investigation covers all potentially contaminated areas and environmental conditions**

Guidance

- **Make sure that the investigation and monitoring you're doing will be usable, especially in the MRBCA process and State and Federal requirements**
- **Review reports and make sure you're aware of any errors in data reporting and interpretation**
- **Help with proper implementation of institutional controls**

**Most important way in which BVCP
project managers help:**

**Issuing the Certificate of
Completion!**

BVCP Project Managers



Education/Certification

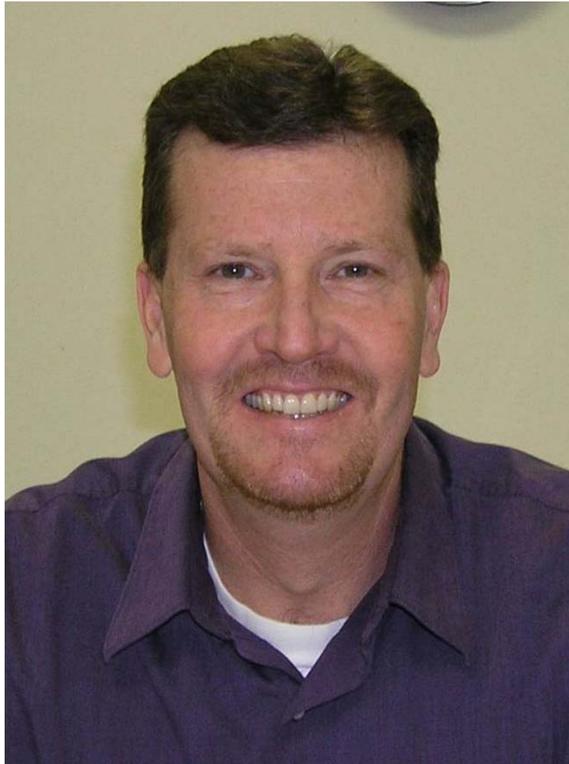
- **Geology/Geochemistry**
- **Environmental Chemistry**
- **Biology**
- **Geological Engineering**
- **Fish & Wildlife Science**
- **Forestry**
- **Horticulture**
- **Environmental Science**
- **Asbestos/Lead-Based Paint Inspection**
- **Professional Engineer**

Experience/Expertise

- **Geology/Geochemistry**
- **Long-Term Stewardship**
- **Environmental Chemistry**
- **Former Manufactured Gas Plants**
- **Drycleaners/Chlorinated Solvents**
- **Water Quality/Wastewater**
- **Geographic Information Systems**
- **Tanks/Petroleum Contamination**
- **Field Sampling**
- **Vapor Intrusion**
- **Monitored Natural Attenuation**
- **Hazardous Waste Management**
- **Asbestos/Lead-Based Paint**



BVCP Project Managers



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BVCP/DERT Unit Chief

BVCP Project Managers



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Brandi Higgins



Jennifer Surber



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BVCP Project Managers



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