

Senate Bill 96 Report to EQC
March 9, 2016 Meeting (data as of February 18, 2016)



Petroleum product floating on groundwater; Harlowton. (Cleanup scheduled for summer 2016)

Background:

SB96 allows DEQ to use orphan share account funds to take remedial actions to address risks to human health or the environment at hazardous substance/petroleum sites where there is no readily apparent potentially liable person that is financially viable. SB96 also allows DEQ to use the funds to monitor the performance of those remedial actions as well as to assess sites and collect data with a goal of closing those sites. Not more than 20% of the funds may be used for that purpose. SB96 was effective July 1, 2015.

Progress since July, 2015:

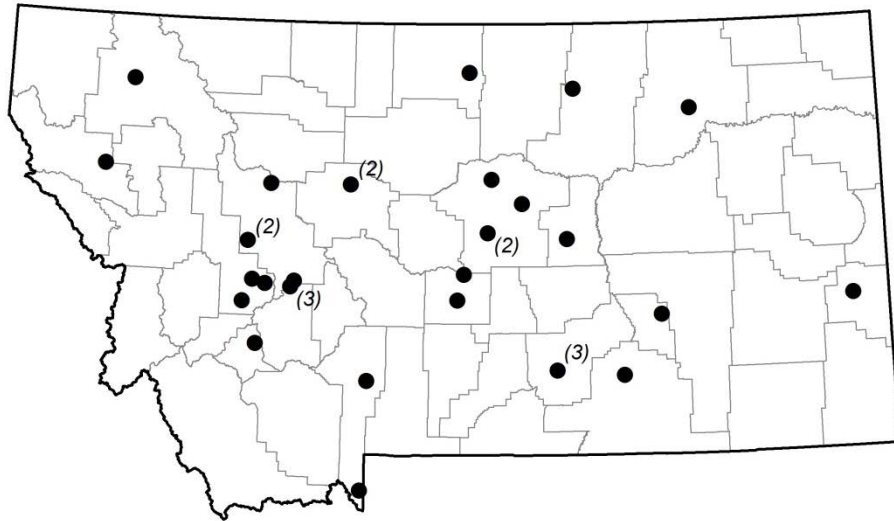
DEQ has initiated contracts or begun work at 33 project sites.

- Approved scopes of work - \$4,237,881
 - Hazardous Substance - \$3,414,698 (9 sites)
 - Petroleum Tank Release - \$538,110 (23 sites)
 - Mine Waste - \$285,073 (1 site)
- Contracts in place - \$3,444,100
- Expended funds - \$1,214,831

Work has been completed and confirmation samples have allowed one petroleum release to be resolved to date. Several additional releases are expected to be resolved when the data is received that demonstrates contamination is below screening levels.

DEQ continues to identify additional sites; however, balancing the additional project work with other required priorities is challenging.

For additional information contact Jenny Chambers at JChambers@mt.gov or 406-444-6383.



Location of SB96 projects. (February, 2016)



Using GeoProbe to measure contamination near residential area; Billings (Dec, 2015). **This site is now resolved.**



Top of buried rail car containing free product. Waste oil tank in background; Harlowton. (cleanup scheduled for summer 2016)



Underground storage tank removal; Deer Lodge (Sept. 2015)



GeoProbe installing borings at former service station, Plevna. (Feb. 2016)

List of SB96 Projects with Contracts In-Place or Pending

Project Name	Location	Project Scope & Status	Cleanup	Assessment	Total	Leveraged Funds
Milwaukee Roundhouse CECRA Cleanup	Deer Lodge	Soil removal, tank removal, product removal, and disposal of soil and tank, vapor intrusion sampling. Approximately 13,000 tons of petroleum and metals contaminated soil, and 50 gallons of petroleum free product have been removed so far. Day care play area cleaned up. Residential yards will be replaced in spring 2016.	\$1,654,734	\$23,400	\$1,678,134	~\$4 million – EPA (Emergency Removal) \$200,000 EPA (Brownfields) ~\$690,00- DNRC (RDG) - Powell County ~\$700,000- DEQ (EQPF) ~\$60,000 - DEQ (Brownfields) Possible future \$1,000,000 DNRC (RDG) [2018/2019]
Diamond P Ranch CECRA Cleanup	West Yellowstone	Pre-design sampling for excavation and disposal of pentachlorophenol, petroleum, and dioxins completed. Excavation in spring 2016.	\$388,758		\$388,758	None
Roxy's Cleaners CECRA Cleanup	Havre	In-situ cleanup system (soil vapor extraction) installed. Bioremediation injections completed. Ongoing operation and maintenance of system through 2017.	\$491,150		\$491,150	None
Whitefish Solvent Site CECRA Cleanup	Whitefish	Install soil vapor extraction system and implement enhanced bioremediation spring/summer 2016.	\$440,621	\$25,000	\$465,621	\$278,914 - EPA (CERCLA Site Assessment)
Ruth Graham Property LUST	Great Falls	Initial assessment completed in October 2015. Soil samples below screening levels. If spring 2016 groundwater samples are below screening levels, release can be resolved in summer 2016.		\$18,862	\$18,862	Petro Fund after Co-Pay
Ehlert Brothers Service LUST	Winifred	Excavation cleanup, scheduled for March/April 2016. If excavation successful and groundwater samples drop below screening levels, release may be resolved in 2017.	\$156,322		\$156,322	Ineligible for PTRCF
Hot Springs School LUST	Hot Springs	Injection wells and in-situ oxidation chemicals injected in October/November 2016. If treatment is successful, release will be resolved after 2017.	\$39,915		\$39,915	Ineligible for PTRCF
Pine Hills Country Store LUST	Billings	Soil borings to determine if contamination remained in the soil. Samples indicated no contamination remained above screening levels. This release is resolved 2/9/2016.		\$7,741	\$7,741	None
4-U Husky LUST	Plevna	Confirmation sampling completed in February 2016. If results are below screening levels, this release will be resolved in spring 2016.		\$22,001	\$22,001	Petro Fund after Co-Pay
Cary Residence LUST	Helena	Confirmation sampling completed in January 2016. If results are below screening levels, this release will be resolved in spring 2016		\$13,399	\$13,399	Petro Fund after Co-Pay
GS Oil Co. LUST	Winnett	Confirmation sampling of soil and groundwater scheduled for February 2016. If results indicate contamination is below screening levels, release will be resolved in summer 2016.		\$16,557	\$16,557	Petro Fund after Co-Pay
Songers Exxon Service LUST	Judith Gap	Confirmation sampling of soil and groundwater scheduled for March 2016. If results indicate contamination is below screening levels, release will be resolved in summer 2016.		\$25,158	\$25,158	Petro Fund after Co-Pay

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Post Office (private) LUST	Augusta	Confirmation sampling completed in January 2016. If results are below screening levels, this release will be resolved in spring 2016		\$18,699	\$18,699	~\$10,000 LUST Trust
Sanders General Store LUST	Sanders	Confirmation sampling of soil and groundwater scheduled for March 2016. If results indicate contamination is not above screening levels, release will be resolved in summer 2016.		\$15,232	\$15,232	Petro Fund after Co-Pay
Stoners Stage Stop LUST	Lincoln	Sampling completed in February 2016. If results are below screening levels, release will be resolved in spring 2016.		\$14,592	\$14,592	Petro Fund after Co-Pay
McMillon Residence LUST	Helena	Confirmation sampling completed in January 2016. If results are below screening levels, this release will be resolved in spring 2016		\$12,699	\$12,699	Petro Fund after Co-Pay
Chriss Repair LUST	Lincoln	Sampling completed in February 2016. If results are below screening levels, release will be resolved in spring 2016.		\$14,840	\$14,840	Ineligible for PTRCF
Avon General Merchandise LUST	Avon	Confirmatory sampling completed in January 2016 identified contamination needing cleanup. Additional assessment and cleanup alternatives will be considered in spring 2016.		\$12,157	\$12,157	~ \$11,700 LUST Trust
Camp Custer Service LUST	Hardin	Soil excavation scheduled for spring/summer 2016. If excavation successfully removes all contaminated soil and groundwater contamination responds favorably, the release will be resolved in 2017 or 2018.	\$16,300		\$16,300	Petro Fund after Co-Pay
Macintyre's, Inc. LUST	Billings	Confirmation sampling completed in January 2016. If results are below screening levels, this release will be resolved in spring 2016.		\$18,236	\$18,236	Petro Fund after Co-Pay
Former K & L Grocery LUST	Dodson	Conduct confirmatory sampling in spring/summer 2016. Potential to resolve site will depend on results.		\$21,444	\$21,444	Ineligible for PTRCF
Westland Service Station LUST	Glasgow	Conduct confirmatory sampling in spring/summer 2016. Potential to resolve site will depend on results.		\$20,000	\$20,000	Potentially Eligible for PTRCF
LaSalle Residence LUST	Helena	Confirmation sampling scheduled for summer 2016. If results are below screening levels, this release will be resolved in fall/winter 2016/2017.		\$13,500	\$13,500	Potentially Eligible for PTRCF
Yellowstone Boys & Girls Ranch LUST	Billings	Confirmation sampling scheduled for summer 2016. If results are below screening levels, this release will be resolved in fall 2016 or spring 2017.		\$7,100	\$7,100	Petro Fund after Co-Pay

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Project Name	Location	Project Scope & Status	Cleanup	Assessment	Total	Leveraged Funds
Osterholm Residence LUST	Lewistown	Confirmation sampling scheduled for summer 2016. If results are below screening levels, this release will be resolved in winter 2016		\$10,000	\$10,000	Potentially Eligible for PTRCF
Harlowton Round House CECRA Cleanup (interim action)	Harlowton	Free product recovery system to be installed near former refueling operations in Spring of 2016. The laser induced florescence (LIF) investigation (leveraged with other funding) facilitated the design of the next phase of SB96 work: soil excavation and waste drum removal for summer 2016.	\$220,911		\$220,911	\$50,000 - DNRC (RDG-Planning). \$10,000 - DEQ Brownfields Possible future City of Harlowton \$500,000 DNRC (RDG) [2018/2019]
Charles M Russell Refuge CECRA (potential de-list)	Roy	Geophysical work (electromagnetic investigation) completed fall 2015 identified two potential areas of buried pesticide. Excavation of targeted areas planned for spring 2016. If pesticides are not present, or cleaned up, the site will be proposed for delisting in 2016.		\$35,030	\$35,030	None
Chandelle Lane Barrel Site CECRA (potential de-list)	Black Eagle	Barrels are still present but it is unknown if there has been a release to the environment above screening levels. Surface and Subsurface soil sampling in the spring 2016 will determine nature and extent of contamination. If no waste is found above screening levels, the barrels could be removed and the site will be proposed for delisting in 2016		\$20,789	\$20,789	None
Developmental Technology CECRA (potential de-list)	Bozeman	Monitoring wells installed in fall 2015, and low-water level samples were below screening levels. High-water samples scheduled for July 2016. If results are also below screening levels, site will be proposed for delisting in 2016/2017.		\$33,346	\$33,346	\$3,900 - DEQ Brownfields
Unionville School LUST	Unionville	Removal of a half-buried heating oil storage tank and confirmatory assessment. If contamination is limited and addressed with this work, the site may be resolved in summer 2016.	\$33,356		\$33,356	
Office Stop LUST	Butte	Health Center and Youth Center owned by North American Indian Alliance. Initial sampling confirmed potential intrusions of petroleum vapors from gasoline tanks formerly on site. Additional vapor and subsurface assessment ongoing for remediation system design.		\$10,000	\$10,000	Petro Fund after Co-Pay
Central Post and Treating Co CECRA Cleanup	Lewistown	Investigated former wood treating facility located on older dump site for pentachlorophenol and other contaminants in February 2016. Waiting for results to determine next step.		\$80,959	\$80,959	\$35,000 - DNRC (RDG-Planning). If cleanup is required, city may apply for 2018/2019 RDG grant.
Lily/Orphan Boy Abandoned Mine	Elliston	DEQ has entered into a partnership with multiple entities to reclaim this abandoned mine site. SB96 funds will remove waste rock and tailings from Telegraph Creek in the Little Blackfoot Watershed. Work leveraged through other funds includes: Completion of Engineering Analysis to reclaim the site, development of the Metals Watershed Restoration Plan, restoration of Tramway Creek and the floodplain. Work scheduled for summer 2016.	\$285,073		\$285,073	\$110,911 - Federal Abandoned Mine Land grant (DEQ) \$40,000 - RDG Grant to Trout Unlimited \$32,000 - DEQ 319 Non-Point Source Program Restoration Grant Funds \$30,000 - FWP Future Fisheries
Total Projected			\$3,727,140	\$510,741	\$4,237,881	

Data as of February 19, 2016

Senate Bill 96
Acronym/Terminology List

CECRA	Comprehensive Environmental Cleanup and Responsibility Act - also known as State Superfund
Co-Pay	PTRCF Co-Payment
DEQ	Department of Environmental Quality
DNRC	Department of Natural Resources and Conservation – manages a grant program that is a potential source of funding that could be leveraged for SB96 projects
EPA	U.S. Environmental Protection Agency – manages grant programs that are a potential source of funding that could be leveraged for SB96 projects
EQPF	Environmental Quality Protection Fund
FWP	Fish Wildlife and Parks Department
LUST	Leaking Underground Storage Tank
LUST Trust	Federal funds used to cleanup LUST sites
MUSTA	Montana Underground Storage Tank Act
N/A	Not Applicable (no funds leveraged)
PTRCB	Petroleum Tank Release Compensation Board (also called “Petro Board”)
PTRCF	Petroleum Tank Release Cleanup Fund (also called “Petro Fund”)
RDG	Resource Development Grant – managed by DNRC

Terminology used when a site is “Closed”

Delist	For State Superfund facilities, this means that the criteria identified in ARM 17.55.114 are met. For SB96 projects, this may mean additional information indicates a historic site does not need to remain listed because there is no contamination that poses an unacceptable risk to human health or the environment. It may also mean that cleanup was completed and is protective of human health and the environment.
Resolved	For petroleum tank release sites, this is defined in section 75-11-521(5)(c), MCA, as a determination by DEQ that all cleanup requirements have been met and that conditions at the site ensure present and long-term protection of human health and the environment.