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SFR-113/17

Status of Corrective Action at Petroleum-contaminated Sites

Status of Corrective Action at Petroleum-contaminated Sites

Prepared by
Remediation Division

SFR-113/17
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Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*

Richard A. Hyde, P.E., *Executive Director*

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Purpose

This report was prepared for the Texas Legislature by the Texas Commission on Environmental Quality (TCEQ or Commission) as required by the Texas Water Code (TWC), Section 26.35745 (TWC §26.35745), as amended in the 83rd Texas Legislative Session. The statute requires an update on the status of sites managed by the TCEQ's Petroleum Storage Tank (PST) State-Lead Program on or before November 1 of each year.

In accordance with the statute, the TCEQ is providing the status of sites based on the date that the release of a regulated substance from a PST was reported to the TCEQ. For sites where the release was reported on or before December 22, 1998, the report is to include: the number of sites, the number of sites for which corrective action is ongoing, the number of sites being monitored, the projected costs of the corrective action and monitoring, the projected timeline for issuing closure letters, and for each of these sites the corrective action activities proposed and completed during the preceding state fiscal year.

For sites with releases reported after December 22, 1998, the report is to include: the current status of each site, costs associated with the corrective action activities performed during the preceding state fiscal year for the sites, and the amount of cost recovery and enforcement actions taken against owners and operators related to the sites.

The statute also requires the TCEQ to investigate the amount of fees necessary to cover the costs to conclude the programs and activities before September 1, 2021, and to include in the annual report conclusions and recommendations regarding the fees, programs, and activities.

Background

The Petroleum Storage Tank Program (PST Program) was established in TWC, Chapter 26, Subchapter I, in 1987. The statute authorized the Commission to develop and administer a comprehensive regulatory program for underground storage tanks. The PST Program addresses requirements applicable to non-exempt underground and aboveground storage tank owners and operators concerning leak detection, record keeping, reporting, corrective action, closure, and financial responsibility.

Tank owners and operators are required to address releases from a leaking PST (LPST). The PST Program oversees the assessment and cleanup of LPSTs. The program is required by statute to use a risk-based approach to address releases at each LPST site. The risk-based corrective action approach determines the type and degree of any necessary remediation at contaminated sites.

In 1989, House Bill 1588 (Acts of 1989, 71st Leg., R.S., Ch. 228, §16, 1006, 1989 Tex. Sess. Law Serv. 1005, 1015) established the Petroleum Storage Tank Remediation (PSTR) Account, which established a bulk-delivery fee to finance the PST Program, and

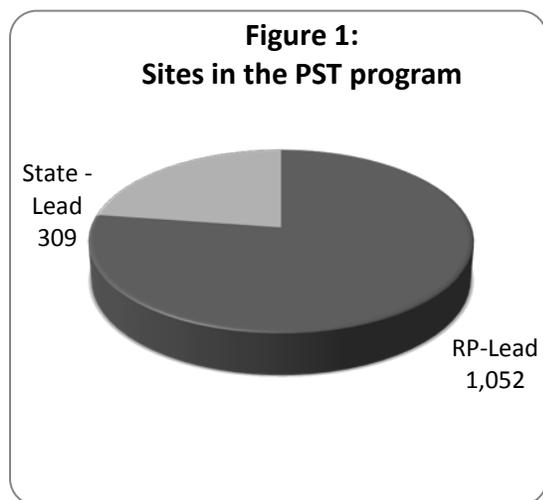
provided reimbursement to eligible owners/operators for expenses associated with the cleanup of releases reported to the Commission on or before December 22, 1998. Eligible parties of reimbursement sites that had not been cleaned up by July 1, 2011, could apply to have their sites placed in the State-Lead Program. As a result, over 300 reimbursement-eligible sites were transferred to the State-Lead Program. The reimbursement program expired on September 1, 2012.

Corrective action activities at sites where releases are discovered and reported after December 22, 1998, are to be funded by the owners/operators through environmental liability insurance, other financial assurance mechanisms, or from their own funds.

In addition to those eligible reimbursement sites transferred to State Lead, the statute (TWC 26.351(c)) authorizes the State-Lead Program to remediate releases from petroleum storage tanks if the tank owner or operator is: 1) unwilling to take corrective action, 2) cannot be found, 3) is unable to take corrective action; or 4) when a more expeditious action is necessary to protect human health and the environment. The State-Lead Program employs state contractors to complete the necessary corrective actions at these sites.

PST Cleanup Program Overview

Since the program's inception, 27,791 releases have been reported. Cleanup has been completed at 26,430 sites. As of September 1, 2017, there are 1,361 sites remaining that need corrective action. As depicted in Figure 1, there are 1,052 sites that responsible parties are addressing and 309 sites that the TCEQ's State-Lead Program is addressing. The 309 sites in the State-Lead Program include those reimbursement-eligible sites that were transferred to the State-Lead Program by the July 1, 2011, deadline.



State-Lead Clean Up Activities

The PST State-Lead Program prioritizes and ranks sites each year to ensure that corrective action activities are properly funded at sites that pose greater risk to human

health and the environment. For this report, sites still needing corrective action are grouped by the date the release was reported (releases reported on or before December 22, 1998, and releases reported after December 22, 1998). Further discussion on the status and specific information for these groups of sites as outlined in the statute is provided in the following sections.

Releases reported on or before December 22, 1998

In FY 2017, risk-based corrective action activities were conducted at 278 sites with releases reported before December 22, 1998. The program is required by statute to use a risk-based approach to address releases at LPST sites. As defined in rule (30 TAC 334.2(97)), risk-based corrective action refers to a case-by-case consideration of the actual or reasonable potential for public and environmental exposure to contaminants in the determination of the timing, type, and degree of site remediation. A risk-based corrective action approach to site remediation provides for appropriate action throughout the corrective action process depending on known or anticipated risks to human health and the environment. The corrective action process usually includes: risk-based site assessment, monitoring, active or passive remediation, and site closure. Risk-based corrective action activities for this report are grouped into monitoring and corrective action. These terms are defined in this report as:

- **Monitoring** - includes sites where assessment, groundwater monitoring, and or removal of non-aqueous phase liquid is needed.
- **Corrective action** – includes those sites where active remediation through the installation, operation and maintenance of remediation systems is the most cost effective and feasible approach to achieving cleanup standards.

Appendix A provides a breakdown of each site including the proposed activity, and the activity completed during FY 2017. In addition, Table 1 provides a breakdown of the phase of cleanup of the 233 remaining sites, and the projected costs and timeline for closure of these sites.

Table 1. Status of December 22, 1998 or earlier remaining releases

Phase of Cleanup	Number of Sites	Projected Costs*	Projected Timeline to Closure **
Monitoring	202	\$9.2M- \$20.7 M	2 - 5 years
Corrective Action	31	\$6.0M - \$9.5 M	4 - 5 years

* Projected costs for monitoring and corrective action was estimated using average yearly costs and estimated time remaining until closure for each site.

**Projected Timeline estimated ranges are based on program averages and take into account extent and degree of impact, and degree of remediation needed. These estimates assume adequate funding to move the site towards closure. However, corrective actions may be delayed at a certain number of sites in order to address other high priority sites as necessary.

Releases Reported after December 22, 1998

As of September 1, 2017, there are 76 sites being addressed by the State-Lead Program with releases reported after December 22, 1998. Appendix B contains a list of these sites, their status, and the cost associated with cleanup activities conducted during FY 2017.

The State-Lead Program may take over corrective action at sites where the owner or operator (responsible party) is unwilling. As provided in statute, the Commission may seek cost recovery for expenses incurred at these sites. Most sites being addressed by the State-Lead Program are those where the responsible parties are either financially unable or cannot be found. Cost recovery is not feasible under these circumstances. During FY 2017 no enforcement actions were taken against any of the state-lead sites.

The State may also conduct emergency actions at certain sites in order to mitigate immediate threats to human health and safety (e.g., explosive conditions, surface water impacts, vapor impact to buildings, etc.). The TCEQ then seeks viable owners/operators to recover the amounts expended to address those emergency actions. During FY 2017, one emergency action was completed; however the responsible party was deemed financially unable and therefore, cost recovery will not be pursued.

Delivery Fee

The PSTR Account is supported by a fee assessed from the delivery of petroleum products removed from a bulk storage facility for distribution or sale within the state. Appropriations from the PSTR Account as well as Federal grants support the PST Program (administration of the overall program and cleanups conducted by the state).

In 2011, House Bill 2694 (Acts of 2011, 82nd Leg., R.S., Ch. 1021, §4.21, 2011 Tex. Sess. Law Serv. 2589) set maximum fee rates and required the Commission to set the fee rates not to exceed the amount necessary to cover the amounts appropriated by the Legislature for the administration of the PST Program, while allowing the fee to be adjusted on an on-going basis. As a result, the Commission amended its rule on April 19, 2012, and reduced the fee by 27% to secure sufficient revenue to support current appropriations. In 2015, House Bill 7 (Act of May 29, 2015, 84th Leg., R.S., Ch. 448, §44, 2015 Tex. Gen. Laws 1, 43) amended the maximum fee rate to the amount necessary to cover the amounts appropriated by the Legislature for the administration of the PST Program not including any amount appropriated for the purpose of the monitoring or remediation of releases occurring on or before December 22, 1998. As a result, the fee rate was reduced by 37 %. The estimated fee revenue for the current biennium (2018-2019) is approximately \$32,520,000. This amount is to provide support for the TCEQ PST Program, which includes regulatory aspects (such as registration, inspection, enforcement) and cleanups (oversight of responsible party-lead and State-Lead Program cleanups for sites with releases reported after December 22, 1998).

The TCEQ evaluated the cost to complete corrective action activities at those remaining sites where releases were reported on or before December 22, 1998, in order to bring

them towards closure in a cost effective and timely manner before September 1, 2021, as required by statute (TWC 26.35745(d)). Based on historical closure rates, and as shown in Table 1, the estimated timeframes for necessary corrective actions to be completed at some sites may exceed this date, at a minimum approximate cost of \$15,200,000. While this finite number of sites will continue to decrease as corrective actions are completed and sites are closed, the PST Program will still need to continue to address the remaining and future sites where the responsible parties are financially unable, unwilling, cannot be found, or in situations where more expeditious action is necessary to protect human health and the environment. An average of 274 new releases are reported to the TCEQ each year, and approximately 19 sites are entered into the State-Lead Program to complete the necessary corrective actions.

Conclusion

The TCEQ has evaluated the PST Program needs and recommends the following:

1. Continued implementation of the new fee rate through the next biennium;
2. In FY 2017, risk-based corrective action activities were conducted on 98% of the sites with releases reported on or before December 22, 1998 and 47 of these sites were successfully closed. TCEQ will continue to focus resources on these sites to bring the majority towards closure by September 1, 2021, while ensuring that high-risk priority sites are appropriately addressed; and
3. Continued support of the PST State-Lead Program past September 12, 2021 to ensure protection of human health and the environment in situations where new releases occur, and the responsible parties are unwilling, cannot be found, are financially unable, or where more expeditious action is necessary.

Appendix A: Proposed and completed activities at State-Lead sites with releases reported on or before December 22, 1998

Monitoring activities may include: site assessment, groundwater monitoring, product recovery, or all three activities.

Corrective action activities may include: installation, operation, and monitoring of engineered systems.

Site Restoration activities may include: plugging and abandoning monitor wells, removal of engineered systems, or other activities completed once a site has received No Further Action status.

Monitoring, Corrective action, or Site Restoration completed activities reflect those performed in Fiscal Year 2017 based on risk, priority, rank, and funding availability.

“Referred” designates sites where corrective action is being addressed in other TCEQ programs (e.g., sites where the contamination is commingled with non-PST regulated substances).

“Closure” refers to sites where a No Further Action Letter was issued during FY 2017.

“Previously Closed” refers to sites where a No Further Action Letter was issued prior to FY 2017.

“Cross-Referenced” refers to sites where cleanup activities are being performed under another LPST number.

Sites with bold font are sites with releases reported on or before December 22, 1998, that were added after September 1, 2013. New sites may be added as a result of database corrections or new State Lead referrals.

LPST ID #	Proposed Activity	Completed Activity
91215	Monitoring	Monitoring
91258	Monitoring	Monitoring
91399	Monitoring	Monitoring
91442	Monitoring	Monitoring
91492	Previously Closed	Previously Closed
91530	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
91586	Closure	Site Restoration
91598	Monitoring	Monitoring
91633	Closure	Site Restoration
91686	Monitoring	Monitoring
91745	Monitoring	Monitoring
91815	Monitoring	Monitoring
91849	Monitoring	Monitoring
91859	Previously Closed	Previously Closed
91958	Monitoring	Monitoring
91966	Monitoring	Monitoring
92044	Monitoring	Monitoring
92064	Previously Closed	Previously Closed
92066	Monitoring	Monitoring
92112	Monitoring	Monitoring
92213	Monitoring	Monitoring
92225	Previously Closed	Previously Closed
92298	Previously Closed	Previously Closed
92373	Previously Closed	Previously Closed
92401	Previously Closed	Previously Closed
92553	Corrective Action	Corrective Action
92663	Monitoring	Monitoring
92693	Closure	Site Restoration
92730	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
92765	Monitoring	Monitoring
92767	Previously Closed	Previously Closed
92823	Corrective Action	Corrective Action
92877	Closure	Site Restoration
93040	Corrective Action	Corrective Action
93149	Previously Closed	Previously Closed
93156	Previously Closed	Previously Closed
93181	Monitoring	Monitoring
93354	Monitoring	Monitoring
93386	Monitoring	Monitoring
93525	Previously Closed	Previously Closed
93559	Monitoring	Monitoring
93576	Closure	Site Restoration
93591	Monitoring	Monitoring
93593	Closure	Site Restoration
93600	Previously Closed	Previously Closed
93636	Monitoring	Monitoring
93681	Monitoring	Monitoring
93785	Monitoring	Monitoring
93850	Monitoring	Monitoring
93931	Monitoring	Monitoring
93980	Monitoring	Monitoring
93997	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
93999	Previously Closed	Previously Closed
94099	Monitoring	Monitoring
94199	Closure	Site Restoration
94301	Monitoring	Monitoring
94305	Monitoring	Monitoring
94335	Previously Closed	Previously Closed
94390	Corrective Action	Corrective Action
94412	Monitoring	Monitoring
94543	Previously Closed	Previously Closed
94560	Closure	Site Restoration
94567	Monitoring	Monitoring
94571	Previously Closed	Previously Closed
94599	Monitoring	Monitoring
94802	Monitoring	Monitoring
94909	Closure	Site Restoration
95018	Monitoring	Monitoring
95059	Monitoring	Monitoring
95179	Closure	Site Restoration
95196	Closure	Site Restoration
95334	Monitoring	Monitoring
95341	Monitoring	Monitoring
95591	Monitoring	Monitoring
95599	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
95700	Previously Closed	Previously Closed
95834	Corrective Action	Corrective Action
96065	Closure	Site Restoration
96161	Monitoring	Monitoring
96276	Closure	Site Restoration
96283	Monitoring	Monitoring
96295	Monitoring	Monitoring
96331	Corrective Action	Corrective Action
96382	Monitoring	Monitoring
96418	Previously Closed	Previously Closed
96574	Previously Closed	Previously Closed
96580	Closure	Site Restoration
96683	Corrective Action	Corrective Action
96883	Monitoring	Monitoring
96902	Corrective Action	Corrective Action
96931	Monitoring	Monitoring
97146	Monitoring	-
97200	Monitoring	Monitoring
97222	Closure	Site Restoration
97320	Monitoring	Monitoring
97352	Monitoring	Monitoring
97410	Monitoring	Monitoring
97413	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
97453	Corrective Action	Corrective Action
97529	Monitoring	Monitoring
97597	Previously Closed	Previously Closed
97616	Monitoring	Monitoring
97733	Corrective Action	Corrective Action
97758	Monitoring	Monitoring
97962	Monitoring	Monitoring
97992	Monitoring	Monitoring
98042	Closure	Site Restoration
98301	Previously Closed	Previously Closed
98311	Previously Closed	Previously Closed
98334	Corrective Action	Corrective Action
98523	Monitoring	Monitoring
98621	Monitoring	Monitoring
98708	Monitoring	Monitoring
98731	Previously Closed	Previously Closed
98752	Monitoring	Monitoring
98837	Monitoring	Monitoring
98876	Monitoring	Monitoring
98901	Monitoring	Monitoring
98952	Referred	Referred
99251	Monitoring	Monitoring
99256	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
99304	Monitoring	Monitoring
99338	Monitoring	Monitoring
99363	Monitoring	-
99373	Monitoring	Monitoring
99374	Corrective Action	Corrective Action
99483	Previously Closed	Previously Closed
99686	Monitoring	Monitoring
99780	Previously Closed	Previously Closed
99894	Corrective Action	Corrective Action
99910	Monitoring	Monitoring
99916	Previously Closed	Previously Closed
99919	Previously Closed	Previously Closed
100105	Previously Closed	Previously Closed
100127	Corrective Action	Corrective Action
100194	Monitoring	Monitoring
100254	Closure	Closure
100260	Monitoring	Monitoring
100668	Previously Closed	Previously Closed
100826	Monitoring	Monitoring
100937	Monitoring	Monitoring
101050	Previously Closed	Previously Closed
101301	Previously Closed	Previously Closed
101339	Previously Closed	Site Restoration

LPST ID #	Proposed Activity	Completed Activity
101749	Monitoring	Monitoring
101820	Monitoring	Monitoring
101842	Closure	Closure
102202	Corrective Action	Corrective Action
102331	Monitoring	Monitoring
102425	Monitoring	Monitoring
102448	Previously Closed	Previously Closed
102616	Monitoring	Monitoring
102959	Previously Closed	Site Restoration
102977	Monitoring	Monitoring
103061	Previously Closed	Site Restoration
103161	Monitoring	Monitoring
103223	Monitoring	Monitoring
103338	Closure	Site Restoration
103399	Corrective Action	Corrective Action
103497	Monitoring	Monitoring
103521	Closure	Site Restoration
103842	Monitoring	Monitoring
103861	Previously Closed	Previously Closed
104098	Previously Closed	Previously Closed
104158	Monitoring	Monitoring
104472	Monitoring	Monitoring
104481	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
104483	Monitoring	Monitoring
104670	Monitoring	Monitoring
104938	Closure	Site Restoration
105059	Monitoring	Monitoring
105405	Monitoring	Monitoring
105472	Monitoring	Monitoring
105652	Previously Closed	Previously Closed
105734	Corrective Action	-
105966	Previously Closed	Previously Closed
106337	Previously Closed	Previously Closed
106346	Monitoring	Monitoring
106368	Monitoring	Monitoring
106435	Previously Closed	Previously Closed
106595	Monitoring	Monitoring
106639	Previously Closed	Previously Closed
106747	Previously Closed	Previously Closed
106794	Previously Closed	Previously Closed
106798	Monitoring	Monitoring
106831	Closure	Site Restoration
106930	Previously Closed	Previously Closed
106989	Monitoring	Monitoring
107025	Monitoring	Monitoring
107058	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
107118	Closure	Site Restoration
107270	Monitoring	Monitoring
107447	Closure	Site Restoration
107475	Monitoring	Monitoring
107481	Previously Closed	Previously Closed
107511	Monitoring	Monitoring
107671	Previously Closed	Previously Closed
107883	Monitoring	Monitoring
107932	Previously Closed	Site Restoration
108207	Monitoring	Monitoring
108399	Monitoring	Monitoring
108528	Previously Closed	Previously Closed
108640	Monitoring	Monitoring
108723	Monitoring	Monitoring
108725	Monitoring	Monitoring
108762	Previously Closed	Previously Closed
108903	Previously Closed	Previously Closed
109092	Monitoring	Monitoring
109094	Previously Closed	Previously Closed
109128	Previously Closed	Previously Closed
109150	Monitoring	Monitoring
109268	Monitoring	Monitoring
109297	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
109426	Monitoring	Monitoring
109483	Previously Closed	Previously Closed
109493	Monitoring	Monitoring
109518	Previously Closed	Previously Closed
109520	Monitoring	Monitoring
109616	Previously Closed	Previously Closed
109701	Corrective Action	Corrective Action
109768	Previously Closed	Previously Closed
109780	Monitoring	Monitoring
109795	Previously Closed	Previously Closed
109901	Previously Closed	Previously Closed
109994	Monitoring	Monitoring
110101	Corrective Action	Corrective Action
110112	Previously Closed	Previously Closed
110157	Previously Closed	Previously Closed
110182	Monitoring	Monitoring
110293	Closure	Closure
110529	Referred	Referred
110583	Monitoring	Monitoring
110644	Closure	Site Restoration
110715	Closure	Site Restoration
110748	Previously Closed	Previously Closed
110752	Previously Closed	Site Restoration

LPST ID #	Proposed Activity	Completed Activity
110761	Corrective Action	Corrective Action
110827	Monitoring	Monitoring
110863	Monitoring	Monitoring
110920	Monitoring	Monitoring
110951	Monitoring	Monitoring
110981	Previously Closed	Previously Closed
111073	Monitoring	Monitoring
111241	Previously Closed	Previously Closed
111264	Monitoring	Monitoring
111306	Previously Closed	Previously Closed
111346	Closure	Site Restoration
111367	Monitoring	Monitoring
111372	Closure	Site Restoration
111380	Corrective Action	Corrective Action
111431	Monitoring	Monitoring
111466	Monitoring	Monitoring
111469	Previously Closed	Previously Closed
111478	Monitoring	Monitoring
111488	Monitoring	Monitoring
111499	Monitoring	Monitoring
111507	Previously Closed	Site Restoration
111525	Closure	Site Restoration
111565	Corrective Action	Corrective Action

LPST ID #	Proposed Activity	Completed Activity
111587	Monitoring	Monitoring
111612	Previously Closed	Previously Closed
111615	Monitoring	Monitoring
111641	Previously Closed	Previously Closed
111669	Monitoring	Monitoring
111761	Monitoring	Monitoring
111775	Monitoring	Monitoring
111799	Previously Closed	Previously Closed
111830	Corrective Action	Corrective Action
111835	Closure	Closure
111856	Previously Closed	Previously Closed
111873	Monitoring	Monitoring
111925	Monitoring	Monitoring
111934	Previously Closed	Previously Closed
111963	Corrective Action	Corrective Action
112053	Monitoring	-
112118	Previously Closed	Previously Closed
112131	Previously Closed	Previously Closed
112145	Previously Closed	Previously Closed
112157	Previously Closed	Previously Closed
112159	Monitoring	Monitoring
112167	Corrective Action	Corrective Action
112223	Corrective Action	Corrective Action

LPST ID #	Proposed Activity	Completed Activity
112242	Monitoring	Monitoring
112268	Closure	Site Restoration
112296	Corrective Action	Corrective Action
112333	Monitoring	Monitoring
112365	Previously Closed	Previously Closed
112428	Monitoring	Monitoring
112497	Monitoring	Monitoring
112525	Closure	Site Restoration
112538	Monitoring	Monitoring
112580	Previously Closed	Previously Closed
112586	Previously Closed	Previously Closed
112589	Monitoring	Monitoring
112592	Monitoring	Monitoring
112602	Previously Closed	Previously Closed
112630	Monitoring	Monitoring
112643	Previously Closed	Previously Closed
112653	Monitoring	Monitoring
112654	Previously Closed	Previously Closed
112658	Monitoring	Monitoring
112659	Corrective Action	Corrective Action
112661	Previously Closed	Previously Closed
112665	Previously Closed	Previously Closed
112695	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
112698	Previously Closed	Previously Closed
112703	Previously Closed	Previously Closed
112781	Closure	Site Restoration
112798	Previously Closed	Previously Closed
112816	Monitoring	Monitoring
112836	Closure	Site Restoration
112847	Previously Closed	Previously Closed
112854	Monitoring	Monitoring
112869	Previously Closed	Previously Closed
112878	Closure	Site Restoration
112913	Monitoring	Monitoring
112917	Monitoring	Monitoring
112919	Monitoring	Monitoring
112930	Previously Closed	Site Restoration
112932	Monitoring	Monitoring
112935	Monitoring	Monitoring
112943	Closure	Site Restoration
112967	Monitoring	Monitoring
112975	Previously Closed	Previously Closed
112984	Monitoring	Monitoring
112993	Monitoring	Monitoring
113008	Previously Closed	Previously Closed
113045	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
113046	Monitoring	Monitoring
113055	Monitoring	Monitoring
113065	Previously Closed	Previously Closed
113096	Corrective Action	Corrective Action
113099	Closure	Site Restoration
113102	Monitoring	Monitoring
113134	Monitoring	Monitoring
113154	Previously Closed	Previously Closed
113162	Monitoring	Monitoring
113170	Monitoring	Monitoring
113175	Previously Closed	Previously Closed
113176	Previously Closed	Previously Closed
113185	Monitoring	Monitoring
113186	Monitoring	Monitoring
113228	Previously Closed	Site Restoration
113232	Monitoring	Monitoring
113285	Closure	Site Restoration
113324	Monitoring	Monitoring
113325	Monitoring	Monitoring
113326	Monitoring	-
113329	Monitoring	Monitoring
113332	Closure	Site Restoration
113369	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
113397	Previously Closed	Previously Closed
113400	Monitoring	Monitoring
113401	Monitoring	Monitoring
113443	Monitoring	Monitoring
113452	Monitoring	Monitoring
113486	Previously Closed	Previously Closed
113509	Monitoring	Monitoring
113535	Monitoring	Monitoring
113573	Previously Closed	Previously Closed
113587	Corrective Action	Corrective Action
113600	Monitoring	Monitoring
113648	Monitoring	Monitoring
113659	Monitoring	Monitoring
113671	Previously Closed	Previously Closed
113678	Monitoring	Monitoring
113729	Monitoring	-
113738	Closure	Site Restoration
113837	Monitoring	Monitoring
113838	Closure	Site Restoration
113893	Monitoring	Monitoring
113939	Previously Closed	Previously Closed
113973	Monitoring	Monitoring
113975	Closure	Site Restoration

LPST ID #	Proposed Activity	Completed Activity
113981	Previously Closed	Previously Closed
113997	Closure	Site Restoration
114046	Corrective Action	Corrective Action
114048	Previously Closed	Site Restoration
114052	Previously Closed	Previously Closed
114072	Closure	Site Restoration
114074	Monitoring	-
114084	Previously Closed	Previously Closed
114085	Monitoring	Monitoring
114096	Closure	Site Restoration
114106	Monitoring	Monitoring
114107	Monitoring	Monitoring
114108	Monitoring	Monitoring
114117	Monitoring	Monitoring
114122	Previously Closed	Previously Closed
114178	Monitoring	Monitoring
114199	Monitoring	Monitoring
114289	Previously Closed	Previously Closed
114340	Monitoring	Monitoring
114425	Previously Closed	Previously Closed
114535	Monitoring	Monitoring
114770	Previously Closed	Previously Closed
115278	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
115616	Monitoring	Monitoring
116114	Closure	Site Restoration
117095	Referred	Referred
117954	Monitoring	Monitoring
119489	Previously Closed	Previously Closed

Appendix B:***Fiscal Year 2017 current status and amounts expended at State-Lead sites with releases reported after December 22, 1998***

Monitoring status includes: site assessment, groundwater monitoring, product recovery, or all three activities.

Corrective Action status includes: installation, operation, maintenance of remediation systems, or all three activities.

Closed status: reflects sites where cleanup was completed during the fiscal year.

Cross-Referenced refers to sites where corrective action activities are being performed under another LPST number.

Expenditure amounts include State and Federal dollars.

LPST ID #	Current Status	Amounts Expended in FY17
114215	Monitoring	\$14,611.34
114341	Monitoring	\$6,148.25
114525	Closed	\$19,979.10
114691	Monitoring	\$7,613.40
114907	Monitoring	\$15,955.59
115029	Closed	\$21,397.16
115117	Monitoring	\$15,814.05
115152	Monitoring	\$17,680.34
115169	Monitoring	Cross-Referenced
115170	Monitoring	\$61,363.73
115258	Monitoring	\$23,289.28
115551	Monitoring	\$11,522.06
115574	Monitoring	Cross-Referenced
115605	Monitoring	\$16,006.79

LPST ID #	Current Status	Amounts Expended in FY17
115729	Closed	\$2,918.18
115771	Monitoring	\$63,571.05
115879	Monitoring	\$43,371.66
115885	Monitoring	\$4,538.30
115929	Corrective Action	\$230,244.03
116079	Closed	\$7,383.94
116213	Monitoring	\$10,370.30
116366	Monitoring	\$12,085.03
116534	Monitoring	Cross-Referenced
116535	Monitoring	\$11,666.00
116561	Monitoring	Cross-Referenced
116790	Monitoring	-
116863	Monitoring	\$22,971.90
117058	Monitoring	\$32,224.05
117108	Monitoring	\$2,094.40
117314	Monitoring	Cross-Referenced
117336	Monitoring	\$26,701.30
117419	Monitoring	\$14,713.84
117522	Monitoring	\$4,270.53
117552	Closed	\$10,669.61
117591	Monitoring	\$20,022.09
117704	Monitoring	\$9,516.71
117720	Monitoring	\$3,811.50

LPST ID #	Current Status	Amounts Expended in FY17
117775	Monitoring	\$24,818.90
117794	Closed	\$2,080.82
117829	Monitoring	\$70,972.78
117850	Closed	\$7,013.40
118005	Monitoring	\$3,034.40
118052	Corrective Action	\$132,050.61
118089	Closed	\$11,582.16
118137	Monitoring	\$11,618.98
118252	Monitoring	\$159,308.70
118274	Monitoring	\$25,915.50
118321	Monitoring	\$54,893.04
118329	Monitoring	\$27,239.12
118373	Monitoring	Cross-Referenced
118382	Monitoring	Cross-Referenced
118410	Monitoring	\$23,372.36
118433	Monitoring	Cross-Referenced
118435	Closed	-
118467	Monitoring	\$90,605.53
118514	Monitoring	\$27,405.72
118711	Monitoring	\$2,453.90
118768	Monitoring	\$29,773.39
118851	Monitoring	\$33,103.90
118878	Monitoring	\$2,768.83

LPST ID #	Current Status	Amounts Expended in FY17
118893	Monitoring	\$11,654.70
119018	Monitoring	\$28,584.50
119124	Monitoring	\$31,405.17
119146	Monitoring	\$87,908.75
119191	Monitoring	\$28,128.51
119397	Monitoring	\$11,048.80
119472	Closed	\$5,455.75
119479	Monitoring	\$43,277.40
119573	Monitoring	\$35,794.80
119581	Closed	\$6,818.52
119602	Monitoring	\$34,637.80
119742	Monitoring	\$20,056.84
119747	Monitoring	Cross-Referenced
119831	Monitoring	\$62,326.35
119857	Closed	\$2,465.25
119860	Monitoring	Cross-Referenced
119904	Monitoring	\$42,920.50
119941	Closed	\$6,235.48
120035	Monitoring	\$11,394.70
120043	Closed	\$16,319.70
120047	Monitoring	\$5,569.05
120057	Closed	\$33,450.20
120131	Monitoring	\$16,112.44

LPST ID #	Current Status	Amounts Expended in FY17
120172	Monitoring	\$30,271.40
120173	Monitoring	\$2,250.31
120197	Monitoring	-
120211	Monitoring	-
120234	Monitoring	\$20,846.68
120240	Monitoring	\$21,351.58
120241	Closed	-
120255	Monitoring	-
120280	Closed	-
120287	Monitoring	-