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Status of Corrective Action at Petroleum-contaminated Sites

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Prepared by
Remediation Division

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Contents

Purpose.....	2
Background	2
PST Cleanup Program Overview	3
State-Lead Clean Up Activities	4
Releases reported on or before December 22, 1998	4
Releases Reported after December 22, 1998	5
Delivery Fee	5
Conclusion.....	6
Appendix A: Proposed and completed activities at State-Lead sites with releases reported on or before December 22, 1998	7
Appendix B: Fiscal Year 2019 current status and amounts expended at State-Lead sites with releases reported after December 22, 1998	26

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.

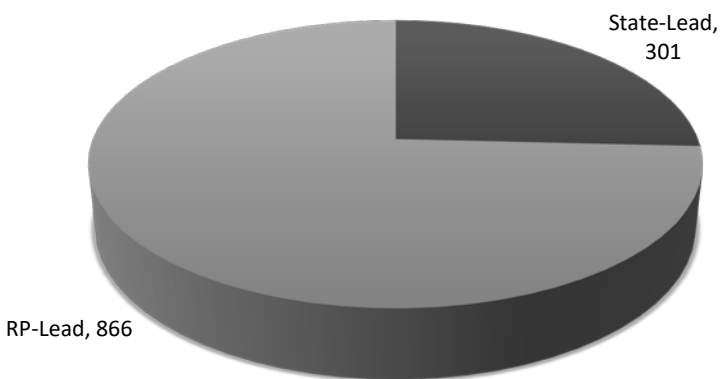
Corrective action activities at sites where releases are discovered and reported after December 22, 1998, are to be funded by the owners/operators through environmental liability insurance, other financial assurance mechanisms, or from their own funds.

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, 28,262 releases have been reported. Cleanup has been completed at 27,095 sites. As of September 1, 2019, there are 1,167 sites remaining that need corrective action. As depicted in Figure 1, there are 866 sites that responsible parties are addressing and 301 sites that the TCEQ's State-Lead Program is addressing. The 301 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.

Figure 1: Sites in the PST program



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 2019, risk-based corrective action activities were conducted at 228 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 2019. In addition, Table 1 provides a breakdown of the phase of cleanup of the 194 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	171	\$7.5M- \$12.7M	2 - 5 years
Corrective Action	23	\$5.2M- \$7.1M	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, 2019, there are 107 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 2019.

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 2019 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 2019, seven emergency actions were completed; the responsible party is unknown for two of the emergency actions and cost recovery options for the remaining emergency actions are being evaluated.

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 2020-2021 biennium is approximately \$36,727,000. 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 \$12,700,000. 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 265 new releases are reported to the TCEQ each year, and approximately 26 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 2019, risk-based corrective action activities were conducted on 98% of the sites with releases reported on or before December 22, 1998 and 37 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 2019 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 2019.

“Previously Closed” refers to sites where a No Further Action Letter was issued prior to FY 2019.

“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.

Table 2. Proposed and completed activities at State-Lead sites with releases reported on or before December 22, 1998

LPST ID #	Proposed Activity	Completed Activity
91130	Monitoring	-
91215	Closure	Site Restoration
91258	Monitoring	Monitoring
91399	Monitoring	Monitoring
91442	Monitoring	Monitoring
91492	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
91530	Previously Closed	Previously Closed
91586	Previously Closed	Previously Closed
91598	Monitoring	Monitoring
91633	Previously Closed	Previously Closed
91686	Monitoring	Monitoring
91745	Monitoring	Monitoring
91815	Previously Closed	Previously Closed
91849	Closure	Site Restoration
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
92126	Closure	Site Restoration
92213	Monitoring	Monitoring
92225	Previously Closed	Previously Closed
92298	Previously Closed	Previously Closed
92299	Monitoring	Monitoring
92373	Previously Closed	Previously Closed
92401	Previously Closed	Previously Closed
92553	Corrective Action	Corrective Action
92663	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
92693	Previously Closed	Previously Closed
92730	Previously Closed	Previously Closed
92765	Monitoring	Monitoring
92767	Previously Closed	Previously Closed
92823	Corrective Action	Corrective Action
92877	Previously Closed	Previously Closed
93040	Corrective Action	Corrective Action
93149	Previously Closed	Previously Closed
93156	Previously Closed	Previously Closed
93181	Monitoring	Monitoring
93321	Monitoring	Monitoring
93354	Monitoring	Monitoring
93386	Monitoring	Monitoring
93525	Previously Closed	Previously Closed
93559	Closure	Site Restoration
93576	Previously Closed	Previously Closed
93591	Monitoring	Monitoring
93593	Previously Closed	Previously Closed
93600	Previously Closed	Previously Closed
93636	Monitoring	Monitoring
93680	Monitoring	Monitoring
93681	Monitoring	Monitoring
93785	Closure	Site Restoration
93850	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
93931	Monitoring	Monitoring
93980	Closure	Site Restoration
93997	Monitoring	Monitoring
93999	Previously Closed	Previously Closed
94099	Previously Closed	Site Restoration
94199	Previously Closed	Previously Closed
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	Previously Closed	Previously Closed
94567	Monitoring	Monitoring
94571	Previously Closed	Previously Closed
94599	Previously Closed	Previously Closed
94802	Monitoring	Monitoring
94909	Previously Closed	Previously Closed
95018	Previously Closed	Previously Closed
95059	Previously Closed	Previously Closed
95179	Previously Closed	Previously Closed
95196	Previously Closed	Previously Closed
95334	Monitoring	Monitoring
95341	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
95579	Closure	Site Restoration
95591	Monitoring	Monitoring
95599	Closure	Site Restoration
95700	Previously Closed	Previously Closed
95834	Corrective Action	Corrective Action
96065	Previously Closed	Previously Closed
96161	Monitoring	Monitoring
96276	Previously Closed	Previously Closed
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	Previously Closed	Previously Closed
96683	Corrective Action	Corrective Action
96883	Monitoring	Monitoring
96902	Corrective Action	Corrective Action
96922	Monitoring	Monitoring
96931	Monitoring	Monitoring
97146	Monitoring	Monitoring
97200	Monitoring	Monitoring
97222	Previously Closed	Previously Closed
97320	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
97352	Monitoring	Monitoring
97410	Monitoring	Monitoring
97413	Closure	Site Restoration
97453	Corrective Action	Corrective Action
97529	Closure	Site Restoration
97597	Previously Closed	Previously Closed
97616	Monitoring	Monitoring
97733	Corrective Action	Corrective Action
97758	Monitoring	Monitoring
97962	Closure	Site Restoration
97992	Monitoring	Monitoring
98042	Previously Closed	Previously Closed
98301	Previously Closed	Previously Closed
98311	Previously Closed	Previously Closed
98334	Corrective Action	Corrective Action
98523	Monitoring	Monitoring
98621	Closure	Site Restoration
98708	Monitoring	Monitoring
98731	Previously Closed	Previously Closed
98752	Previously Closed	Previously Closed
98837	Monitoring	Monitoring
98876	Monitoring	Monitoring
98901	Closure	Site Restoration
98952	Referred	Referred

LPST ID #	Proposed Activity	Completed Activity
99251	Previously Closed	Previously Closed
99256	Closure	Site Restoration
99304	Monitoring	Monitoring
99338	Monitoring	Monitoring
99363	Previously Closed	Previously Closed
99373	Closure	Site Restoration
99374	Corrective Action	Corrective Action
99483	Previously Closed	Previously Closed
99686	Corrective Action	Corrective Action
99780	Previously Closed	Previously Closed
99841	Monitoring	Monitoring
99894	Corrective Action	Corrective Action
99910	Previously Closed	Previously Closed
99916	Previously Closed	Previously Closed
99919	Previously Closed	Previously Closed
100105	Previously Closed	Previously Closed
100127	Corrective Action	Corrective Action
100194	Monitoring	Monitoring
100254	Previously Closed	Previously Closed
100260	Monitoring	Monitoring
100586	Monitoring	Monitoring
100668	Previously Closed	Previously Closed
100826	Monitoring	Monitoring
100937	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
101050	Previously Closed	Previously Closed
101268	Monitoring	Monitoring
101301	Previously Closed	Previously Closed
101339	Previously Closed	Previously Closed
101749	Monitoring	Monitoring
101820	Monitoring	Monitoring
101842	Previously Closed	Previously Closed
102202	Corrective Action	Corrective Action
102331	Previously Closed	Previously Closed
102425	Monitoring	Monitoring
102448	Previously Closed	Previously Closed
102616	Monitoring	Monitoring
102950	Monitoring	Monitoring
102959	Previously Closed	Previously Closed
102977	Monitoring	Monitoring
103038	Monitoring	Monitoring
103061	Previously Closed	Previously Closed
103126	Closure	Site Restoration
103161	Closure	Site Restoration
103223	Monitoring	Monitoring
103338	Previously Closed	Previously Closed
103399	Corrective Action	Corrective Action
103497	Previously Closed	Site Restoration
103521	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
103842	Monitoring	Monitoring
103861	Previously Closed	Previously Closed
104098	Previously Closed	Previously Closed
104158	Monitoring	Monitoring
104472	Monitoring	Monitoring
104481	Previously Closed	Previously Closed
104483	Monitoring	Monitoring
104670	Monitoring	Monitoring
104938	Previously Closed	Previously Closed
105059	Monitoring	Monitoring
105405	Previously Closed	Previously Closed
105472	Previously Closed	Previously Closed
105652	Previously Closed	Previously Closed
105734	Closure	-
105966	Previously Closed	Previously Closed
106300	Monitoring	Monitoring
106337	Previously Closed	Previously Closed
106346	Previously Closed	Previously Closed
106368	Monitoring	Monitoring
106435	Previously Closed	Previously Closed
106458	Monitoring	Monitoring
106595	Previously Closed	Previously Closed
106639	Previously Closed	Previously Closed
106747	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
106794	Previously Closed	Previously Closed
106798	Monitoring	Monitoring
106831	Previously Closed	Previously Closed
106930	Previously Closed	Previously Closed
106989	Monitoring	Monitoring
107025	Closure	Site Restoration
107058	Monitoring	Monitoring
107118	Previously Closed	Previously Closed
107270	Previously Closed	Previously Closed
107447	Previously Closed	Previously Closed
107475	Monitoring	Monitoring
107481	Previously Closed	Previously Closed
107511	Monitoring	Monitoring
107671	Previously Closed	Previously Closed
107883	Closure	Site Restoration
107932	Previously Closed	Previously Closed
108207	Monitoring	Monitoring
108258	Monitoring	Monitoring
108399	Monitoring	Monitoring
108528	Previously Closed	Previously Closed
108640	Closure	Site Restoration
108723	Monitoring	Monitoring
108725	Monitoring	Monitoring
108762	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
108903	Previously Closed	Previously Closed
109092	Previously Closed	Previously Closed
109094	Previously Closed	Previously Closed
109128	Previously Closed	Previously Closed
109150	Monitoring	Monitoring
109268	Monitoring	Monitoring
109297	Previously Closed	Previously Closed
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	Previously Closed	Previously Closed
109768	Previously Closed	Previously Closed
109780	Monitoring	Monitoring
109795	Previously Closed	Previously Closed
109901	Previously Closed	Previously Closed
109954	Monitoring	Monitoring
109994	Closure	Site Restoration
110076	Monitoring	Monitoring
110101	Corrective Action	Corrective Action
110112	Previously Closed	Previously Closed
110157	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
110182	Monitoring	Monitoring
110293	Previously Closed	Previously Closed
110529	Referred	Referred
110583	Closure	Site Restoration
110644	Previously Closed	Previously Closed
110715	Previously Closed	Previously Closed
110748	Previously Closed	Previously Closed
110752	Previously Closed	Previously Closed
110761	Monitoring	Monitoring
110827	Closure	Site Restoration
110863	Monitoring	Monitoring
110920	Monitoring	Monitoring
110951	Monitoring	Monitoring
110981	Previously Closed	Previously Closed
111060	Closure	Site Restoration
111073	Monitoring	Monitoring
111241	Previously Closed	Previously Closed
111264	Monitoring	Monitoring
111306	Previously Closed	Previously Closed
111346	Previously Closed	Previously Closed
111367	Monitoring	Monitoring
111372	Previously Closed	Previously Closed
111380	Corrective Action	Corrective Action
111431	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
111466	Monitoring	Monitoring
111469	Previously Closed	Previously Closed
111478	Monitoring	Monitoring
111488	Monitoring	Monitoring
111499	Monitoring	Monitoring
111507	Previously Closed	Previously Closed
111525	Previously Closed	Previously Closed
111565	Corrective Action	Corrective Action
111587	Monitoring	Monitoring
111612	Previously Closed	Previously Closed
111615	Monitoring	Monitoring
111641	Previously Closed	Previously Closed
111669	Monitoring	Monitoring
111673	Monitoring	Monitoring
111761	Monitoring	Monitoring
111775	Monitoring	Monitoring
111799	Previously Closed	Previously Closed
111830	Previously Closed	Previously Closed
111835	Previously Closed	Previously Closed
111856	Previously Closed	Previously Closed
111873	Monitoring	Monitoring
111925	Previously Closed	Previously Closed
111934	Previously Closed	Previously Closed
111950	Monitoring	-

LPST ID #	Proposed Activity	Completed Activity
111963	Previously Closed	Previously Closed
112053	Previously Closed	Previously Closed
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
112242	Monitoring	Monitoring
112268	Previously Closed	Previously Closed
112296	Monitoring	Monitoring
112333	Monitoring	Monitoring
112365	Previously Closed	Previously Closed
112428	Monitoring	Monitoring
112497	Monitoring	Monitoring
112525	Previously Closed	Previously Closed
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

LPST ID #	Proposed Activity	Completed Activity
112643	Previously Closed	Previously Closed
112653	Monitoring	Monitoring
112654	Previously Closed	Previously Closed
112658	Monitoring	Monitoring
112659	Previously Closed	Previously Closed
112661	Previously Closed	Previously Closed
112665	Previously Closed	Previously Closed
112695	Previously Closed	Previously Closed
112698	Previously Closed	Previously Closed
112703	Previously Closed	Previously Closed
112728	Closure	Site Restoration
112781	Previously Closed	Previously Closed
112798	Previously Closed	Previously Closed
112816	Monitoring	Monitoring
112836	Previously Closed	Previously Closed
112847	Previously Closed	Previously Closed
112854	Monitoring	Monitoring
112869	Previously Closed	Previously Closed
112878	Previously Closed	Previously Closed
112913	Monitoring	Monitoring
112917	Monitoring	Monitoring
112919	Monitoring	Monitoring
112923	Monitoring	Monitoring
112930	Previously Closed	Previously Closed

LPST ID #	Proposed Activity	Completed Activity
112932	Monitoring	Monitoring
112935	Monitoring	Monitoring
112943	Previously Closed	Previously Closed
112967	Previously Closed	Previously Closed
112975	Previously Closed	Previously Closed
112984	Previously Closed	Previously Closed
112993	Closure	Site Restoration
113008	Previously Closed	Previously Closed
113045	Previously Closed	Previously Closed
113046	Monitoring	Monitoring
113055	Closure	-
113065	Previously Closed	Previously Closed
113096	Corrective Action	Corrective Action
113097	Monitoring	Monitoring
113099	Previously Closed	Previously Closed
113102	Monitoring	Monitoring
113134	Closure	Site Restoration
113154	Previously Closed	Previously Closed
113162	Closure	Site Restoration
113166	Monitoring	Monitoring
113170	Monitoring	Monitoring
113175	Previously Closed	Previously Closed
113176	Previously Closed	Previously Closed
113185	Closure	Site Restoration

LPST ID #	Proposed Activity	Completed Activity
113186	Closure	Site Restoration
113228	Previously Closed	Previously Closed
113232	Monitoring	Monitoring
113285	Previously Closed	Previously Closed
113307	Monitoring	Monitoring
113324	Monitoring	Monitoring
113325	Monitoring	Monitoring
113326	Closure	Site Restoration
113329	Previously Closed	Previously Closed
113332	Previously Closed	Previously Closed
113369	Monitoring	Monitoring
113397	Previously Closed	Previously Closed
113400	Previously Closed	Previously Closed
113401	Monitoring	Monitoring
113443	Monitoring	Monitoring
113452	Monitoring	Monitoring
113486	Previously Closed	Previously Closed
113509	Monitoring	Monitoring
113514	Monitoring	Monitoring
113535	Monitoring	-
113573	Previously Closed	Previously Closed
113587	Monitoring	Monitoring
113600	Previously Closed	Previously Closed
113627	Closure	Site Restoration

LPST ID #	Proposed Activity	Completed Activity
113648	Closure	Site Restoration
113659	Monitoring	Monitoring
113671	Previously Closed	Previously Closed
113678	Monitoring	Monitoring
113729	Monitoring	Monitoring
113738	Previously Closed	Previously Closed
113837	Monitoring	Monitoring
113838	Previously Closed	Previously Closed
113893	Monitoring	Monitoring
113939	Previously Closed	Previously Closed
113973	Monitoring	Monitoring
113975	Previously Closed	Previously Closed
113981	Previously Closed	Previously Closed
113997	Previously Closed	Previously Closed
114046	Previously Closed	Previously Closed
114048	Previously Closed	Previously Closed
114052	Previously Closed	Previously Closed
114062	Monitoring	Monitoring
114072	Previously Closed	Previously Closed
114074	Monitoring	Monitoring
114084	Previously Closed	Previously Closed
114085	Previously Closed	Previously Closed
114096	Previously Closed	Previously Closed
114106	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
114107	Monitoring	Monitoring
114108	Closure	Site Restoration
114114	Monitoring	Monitoring
114117	Monitoring	Monitoring
114122	Previously Closed	Previously Closed
114178	Monitoring	Monitoring
114199	Closure	Site Restoration
114289	Previously Closed	Previously Closed
114340	Previously Closed	Previously Closed
114372	Monitoring	Monitoring
114425	Previously Closed	Previously Closed
114535	Previously Closed	Previously Closed
114770	Previously Closed	Previously Closed
115278	Previously Closed	Previously Closed
115616	Monitoring	Monitoring
116114	Previously Closed	Previously Closed
117095	Referred	Referred
117954	Monitoring	Monitoring
119489	Previously Closed	Previously Closed

Appendix B: Fiscal Year 2019 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.

Table 3. Fiscal Year 2019 current status and amounts expended at State-Lead sites with releases reported after December 22, 1998

LPST ID #	Current Status	Amounts Expended in FY19
114215	Monitoring	\$7,178.38
114518	Monitoring	\$47,951.83
114569	Monitoring	\$606.00
114691	Closed	\$33,305.20
114703	Monitoring	-
114740	Monitoring	\$30,977.95
114745	Monitoring	-
114817	Monitoring	\$157,216.51
114858	Monitoring	\$37,374.00
114907	Monitoring	\$19,953.30
115080	Monitoring	\$28,635.46
115117	Monitoring	\$132,337.48

LPST ID #	Current Status	Amounts Expended in FY19
115152	Monitoring	\$4,620.00
115169	Monitoring	\$33,652.62
115170	Monitoring	\$81,728.88
115258	Monitoring	\$2,784.27
115473	Monitoring	\$31,389.05
115551	Monitoring	\$80,248.82
115574	Monitoring	Cross-Referenced
115605	Monitoring	\$9,436.80
115625	Monitoring	\$24,030.25
115712	Monitoring	Cross-Referenced
115771	Monitoring	\$100,787.38
115858	Monitoring	-
115928	Monitoring	\$12,261.00
115929	Corrective Action	\$253,067.26
115964	Monitoring	-
116077	Monitoring	Cross-Referenced
116186	Monitoring	\$29,150.60
116199	Monitoring	\$28,412.00
116213	Monitoring	\$12,972.90
116366	Monitoring	\$12,256.60
116404	Closed	\$25,319.48
116534	Monitoring	Cross-Referenced
116535	Monitoring	\$18,876.77

LPST ID #	Current Status	Amounts Expended in FY19
116561	Monitoring	Cross-Referenced
116679	Monitoring	-
116790	Monitoring	\$31,248.16
116863	Closed	\$36,682.70
117040	Monitoring	-
117058	Monitoring	\$33,623.70
117108	Monitoring	\$26,224.24
117170	Monitoring	Cross-Referenced
117177	Monitoring	\$23,598.32
117220	Monitoring	\$32,778.50
117233	Closed	\$18,156.64
117244	Monitoring	\$34,517.84
117336	Monitoring	\$23,463.85
117522	Monitoring	\$15,285.30
117591	Monitoring	\$25,279.15
117720	Monitoring	-
117775	Monitoring	\$47,208.80
117811	Closed	\$7,826.00
117829	Monitoring	\$16,292.64
117987	Monitoring	\$61,729.97
118005	Closed	\$2,736.84
118052	Corrective Action	\$48,012.46
118137	Monitoring	\$13,162.80

LPST ID #	Current Status	Amounts Expended in FY19
118218	Monitoring	\$20,383.21
118220	Monitoring	\$54,912.35
118252	Monitoring	\$205,952.33
118274	Monitoring	\$13,262.22
118329	Monitoring	\$57,260.38
118365	Monitoring	\$52,776.70
118373	Monitoring	Cross-Referenced
118382	Monitoring	Cross-Referenced
118410	Monitoring	\$37,663.30
118417	Monitoring	Cross-Referenced
118433	Monitoring	Cross-Referenced
118441	Monitoring	\$12,786.70
118467	Monitoring	\$53,655.84
118491	Monitoring	\$23,156.46
118514	Monitoring	\$41,600.18
118711	Closed	\$6,913.87
118765	Monitoring	\$20,561.68
118768	Monitoring	\$8,883.97
118851	Monitoring	\$9,730.31
118882	Monitoring	\$13,022.24
118893	Monitoring	\$5,120.90
119018	Monitoring	\$29,182.88
119038	Monitoring	\$2,340.30

LPST ID #	Current Status	Amounts Expended in FY19
119124	Closed	\$6,549.35
119146	Monitoring	\$30,057.31
119191	Monitoring	\$18,249.66
119228	Closed	-
119304	Monitoring	\$46,004.20
119397	Monitoring	\$5,811.08
119422	Monitoring	\$70,042.55
119479	Monitoring	\$25,890.50
119482	Closed	\$12,783.40
119561	Monitoring	\$16,145.56
119573	Monitoring	\$27,671.45
119602	Closed	-
119646	Monitoring	\$31,841.38
119719	Monitoring	\$31,577.02
119742	Monitoring	\$36,305.56
119747	Monitoring	Cross-Referenced
119831	Monitoring	\$98,059.46
119881	Monitoring	\$27,323.50
119904	Monitoring	\$17,577.16
119918	Monitoring	\$1,023.68
120035	Monitoring	\$14,111.15
120111	Monitoring	\$21,284.90
120172	Closed	\$36,485.01

LPST ID #	Current Status	Amounts Expended in FY19
120173	Closed	\$3,667.51
120197	Monitoring	\$27,659.64
120211	Monitoring	\$19,624.00
120234	Monitoring	\$13,720.85
120240	Monitoring	\$40,445.44
120255	Closed	\$7,360.65
120287	Monitoring	\$8,582.24
120369	Monitoring	\$56,399.65
120414	Monitoring	\$62,930.55
120434	Monitoring	\$26,461.88
120572	Monitoring	\$47,753.61
120621	Monitoring	\$915.10
120642	Monitoring	\$8,993.10
120719	Monitoring	\$3,399.65
120730	Monitoring	-
120740	Monitoring	-
120782	Monitoring	\$3,954.00