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SFR-113/16

# Status of Corrective Action at Petroleum-contaminated Sites



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**Prepared by  
Remediation Division**

**SFR-113/16  
November 2016**

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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.

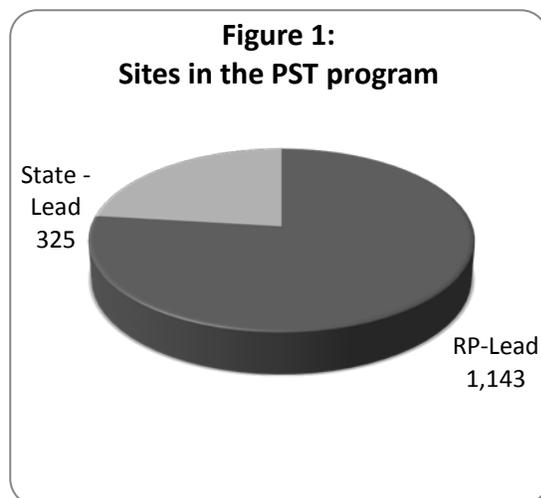
In addition to those eligible reimbursement sites transferred to State Lead, the statute (TWC 26.351(c)) authorizes the State-Lead Program to remediate releases from petroleum storage tanks if the tank owner or operator is: 1) unwilling to take corrective action, 2) cannot be found, 3) is unable to take 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, 27,498 releases have been reported. Cleanup has been completed at 26,030 sites. As of September 1, 2016, there are 1,468 sites remaining that need corrective action. As depicted in Figure 1, there are 1,143 sites that responsible parties are addressing and 325 sites that the TCEQ's State-Lead Program is addressing. The 325 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 2016, risk-based corrective action activities were conducted at 300 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 2016. In addition, Table 1 provides a breakdown of the phase of cleanup of the 260 remaining sites, and the projected costs and timeline for closure of these sites.

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

<b>Phase of Cleanup</b>	<b>Number of Sites</b>	<b>Projected Costs*</b>	<b>Projected Timeline to Closure **</b>
<b>Monitoring</b>	198	\$10.4M- \$23.9M	2 - 6 years
<b>Corrective Action</b>	62	\$17.3M - \$26.2M	5 - 6 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, 2016, there are 65 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 2016.

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 2016 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 2016, two emergency actions were completed; however the responsible party is currently unknown for one emergency action and cost recovery actions are being evaluated for the other.

### **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, 84<sup>th</sup> 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 (2016-2017) is approximately \$35,446,983. 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 \$28,000,000. 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 270 new releases are reported to the TCEQ each year, and approximately 7 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 2016, risk-based corrective action activities were conducted on 99% of the sites with releases reported on or before December 22, 1998 and 42 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.

Monitoring or Corrective action completed activities reflect those performed in Fiscal Year 2016 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” indicates those closed sites where cleanup activities were completed during FY 2016.

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

“Not Applicable” designates sites where cleanup activities were completed and the site was closed in prior fiscal years. 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.

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
91258	Monitoring	Monitoring
91399	Monitoring	Monitoring
91442	Monitoring	Monitoring
91492	Closure	Closure
91530	Closure	Closure
91586	Monitoring	Monitoring
91598	Monitoring	Monitoring
91633	Corrective Action	Corrective Action
91686	Monitoring	Cross-Referenced

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
91745	Monitoring	Cross-Referenced
91815	Monitoring	Monitoring
91849	Corrective Action	Corrective Action
91859	Not Applicable	Not Applicable
91958	Monitoring	Monitoring
91966	Monitoring	Monitoring
92044	Monitoring	Cross-Referenced
92064	Not Applicable	Not Applicable
92066	Monitoring	Monitoring
<b>92112</b>	Monitoring	Monitoring
92213	Monitoring	Cross-Referenced
92225	Not Applicable	Not Applicable
<b>92298</b>	Not Applicable	Not Applicable
92373	Not Applicable	Not Applicable
92401	Not Applicable	Not Applicable
92553	Corrective Action	Corrective Action
92663	Monitoring	Monitoring
92693	Monitoring	Monitoring
92730	Not Applicable	Not Applicable
92765	Monitoring	Monitoring
92767	Not Applicable	Not Applicable
92823	Corrective Action	Corrective Action
92877	Monitoring	Monitoring
93040	Corrective Action	Corrective Action

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
<b>93149</b>	Not Applicable	Not Applicable
93156	Not Applicable	Not Applicable
93181	Monitoring	Monitoring
93354	Monitoring	Monitoring
93386	Monitoring	Monitoring
93525	Closure	Closure
93559	Monitoring	Monitoring
93576	Monitoring	Monitoring
93591	Monitoring	Cross-Referenced
93593	Monitoring	Monitoring
93600	Closure	Closure
93636	Monitoring	Monitoring
93681	Corrective Action	Corrective Action
93785	Monitoring	Monitoring
93850	Corrective Action	Corrective Action
93931	Monitoring	Cross-Referenced
93980	Monitoring	Monitoring
93997	Monitoring	Monitoring
93999	Not Applicable	Not Applicable
94099	Corrective Action	Corrective Action
94199	Corrective Action	Corrective Action
94301	Monitoring	Cross-Referenced
94305	Corrective Action	Corrective Action
94335	Not Applicable	Not Applicable

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
94390	Corrective Action	Corrective Action
94412	Monitoring	Monitoring
94543	Closure	Closure
94560	Monitoring	Monitoring
94567	Monitoring	Monitoring
94571	Not Applicable	Not Applicable
94599	Monitoring	Monitoring
94802	Monitoring	Monitoring
94909	Corrective Action	Corrective Action
95059	Monitoring	Monitoring
95179	Monitoring	Monitoring
95196	Corrective Action	Corrective Action
95334	Monitoring	Cross-Referenced
95341	Corrective Action	Corrective Action
95591	Monitoring	Monitoring
95700	Closure	Closure
95834	Corrective Action	Corrective Action
96065	Monitoring	Monitoring
96161	Monitoring	Monitoring
96276	Monitoring	Monitoring
96283	Monitoring	Monitoring
96295	Monitoring	Monitoring
96331	Corrective Action	Corrective Action
96382	Monitoring	Monitoring

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
96418	Not Applicable	Not Applicable
96574	Closure	Closure
96580	Corrective Action	Corrective Action
96683	Corrective Action	Corrective Action
96883	Monitoring	Cross-Referenced
96902	Corrective Action	Corrective Action
96931	Monitoring	Cross-Referenced
97200	Monitoring	Monitoring
97222	Monitoring	Monitoring
97320	Monitoring	Monitoring
97352	Monitoring	Monitoring
97410	Monitoring	Monitoring
97413	Monitoring	Cross-Referenced
97453	Corrective Action	Corrective Action
97529	Corrective Action	Corrective Action
97597	Not Applicable	Not Applicable
97616	Monitoring	Monitoring
97733	Corrective Action	Corrective Action
97758	Monitoring	Monitoring
97962	Monitoring	Monitoring
97992	Monitoring	Monitoring
98042	Monitoring	Monitoring
98301	Not Applicable	Not Applicable
98311	Not Applicable	Not Applicable

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
98334	Corrective Action	Corrective Action
98523	Corrective Action	Corrective Action
98621	Monitoring	Monitoring
98708	Corrective Action	Corrective Action
98731	Not Applicable	Not Applicable
98752	Monitoring	Monitoring
98837	Monitoring	Monitoring
98876	Monitoring	Monitoring
98901	Monitoring	Monitoring
98952	Referred	Referred
99251	Monitoring	Cross-Referenced
99256	Monitoring	Monitoring
99304	Referred	Referred
99338	Monitoring	Monitoring
99363	Monitoring	Monitoring
99373	Monitoring	Monitoring
99374	Corrective Action	Corrective Action
99483	Not Applicable	Not Applicable
99686	Monitoring	Monitoring
99780	Not Applicable	Not Applicable
99894	Corrective Action	Corrective Action
99916	Not Applicable	Not Applicable
99919	Closure	Closure
100105	Not Applicable	Not Applicable

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
100127	Corrective Action	Corrective Action
100194	Monitoring	Monitoring
100260	Monitoring	Cross-Referenced
100668	Not Applicable	Not Applicable
100826	Monitoring	Monitoring
100937	Monitoring	Monitoring
101050	Not Applicable	Not Applicable
101301	Closure	Closure
101339	Closure	Closure
101749	Corrective Action	Corrective Action
101820	Monitoring	Monitoring
101842	Monitoring	Cross-Referenced
102202	Corrective Action	Corrective Action
102425	Monitoring	Monitoring
102448	Not Applicable	Not Applicable
<b>102616</b>	Monitoring	Monitoring
102959	Closure	Closure
102977	Monitoring	Monitoring
103061	Closure	Closure
103223	Monitoring	Monitoring
103338	Monitoring	Monitoring
103399	Corrective Action	Corrective Action
103497	Monitoring	Monitoring
103521	Monitoring	Monitoring

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
103842	Corrective Action	Corrective Action
103861	Not Applicable	Not Applicable
<b>104098</b>	Closure	Closure
104158	Monitoring	Monitoring
104472	Monitoring	Cross-Referenced
104481	Not Applicable	Not Applicable
104483	Monitoring	Monitoring
104670	Corrective Action	Corrective Action
105059	Monitoring	Monitoring
105405	Monitoring	Monitoring
105472	Monitoring	Monitoring
105652	Not Applicable	Not Applicable
105734	Monitoring	Monitoring
105966	Closure	Closure
106337	Not Applicable	Not Applicable
<b>106346</b>	Monitoring	Monitoring
106368	Monitoring	Monitoring
106435	Not Applicable	Not Applicable
106595	Monitoring	Monitoring
106639	Not Applicable	Not Applicable
106747	Not Applicable	Not Applicable
106794	Not Applicable	Not Applicable
106798	Monitoring	Monitoring
106831	Monitoring	Monitoring

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
106930	Not Applicable	Not Applicable
106989	Monitoring	Monitoring
107025	Monitoring	Monitoring
107058	Monitoring	Monitoring
107118	Monitoring	Monitoring
107270	Corrective Action	Corrective Action
107447	Monitoring	Monitoring
107475	Monitoring	Monitoring
107481	Closure	Closure
107671	Not Applicable	Not Applicable
107883	Monitoring	Monitoring
107932	Not Applicable	Not Applicable
108207	Monitoring	Monitoring
108399	Monitoring	Monitoring
<b>108528</b>	Not Applicable	Not Applicable
108640	Monitoring	Monitoring
108723	Corrective Action	Corrective Action
108725	Monitoring	Monitoring
108762	Closure	Closure
108903	Not Applicable	Not Applicable
109094	Not Applicable	Not Applicable
109128	Not Applicable	Not Applicable
109150	Monitoring	Monitoring
109268	Corrective Action	Corrective Action

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
109297	Not Applicable	Not Applicable
109426	Monitoring	Monitoring
109483	Not Applicable	Not Applicable
109493	Monitoring	Monitoring
109518	Not Applicable	Not Applicable
109520	Monitoring	Monitoring
109616	Not Applicable	Not Applicable
109701	Corrective Action	Corrective Action
109768	Closure	Closure
109780	Corrective Action	Corrective Action
109795	Not Applicable	Not Applicable
109901	Not Applicable	Not Applicable
109994	Corrective Action	Corrective Action
110101	Corrective Action	Corrective Action
110112	Closure	Closure
110157	Closure	Closure
110182	Monitoring	Cross-Referenced
110293	Monitoring	Cross-Referenced
110529	Referred	Referred
110583	Monitoring	Monitoring
110715	Monitoring	Monitoring
110748	Closure	Closure
110752	Closure	Closure
110761	Corrective Action	Corrective Action

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
110827	Monitoring	Monitoring
110863	Monitoring	Monitoring
110920	Monitoring	Monitoring
110951	Monitoring	Monitoring
110981	Not Applicable	Not Applicable
111073	Monitoring	Monitoring
<b>111241</b>	Closure	Closure
111264	Monitoring	Cross-Referenced
111306	Not Applicable	Not Applicable
111346	Monitoring	Monitoring
111367	Corrective Action	Corrective Action
111372	Monitoring	Monitoring
111380	Corrective Action	Corrective Action
111431	Monitoring	Monitoring
111466	Monitoring	Monitoring
111469	Not Applicable	Not Applicable
<b>111478</b>	Monitoring	Monitoring
111488	Monitoring	Monitoring
111499	Monitoring	Monitoring
111507	Closure	Closure
111525	Monitoring	Monitoring
111565	Monitoring	Monitoring
111587	Monitoring	Monitoring
111612	Not Applicable	Not Applicable

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
111615	Corrective Action	Corrective Action
111641	Closure	Closure
111669	Corrective Action	Corrective Action
111761	Monitoring	Monitoring
111775	Monitoring	Monitoring
111799	Not Applicable	Not Applicable
111830	Corrective Action	Corrective Action
<b>111835</b>	Monitoring	Cross-Referenced
111856	Not Applicable	Not Applicable
111873	Monitoring	Monitoring
111925	Monitoring	Monitoring
111934	Not Applicable	Not Applicable
111963	Corrective Action	Corrective Action
112118	Not Applicable	Not Applicable
112131	Not Applicable	Not Applicable
112145	Not Applicable	Not Applicable
112157	Not Applicable	Not Applicable
112159	Monitoring	Cross-Referenced
<b>112167</b>	Corrective Action	Corrective Action
112223	Corrective Action	Corrective Action
112242	Monitoring	Monitoring
112268	Monitoring	Monitoring
<b>112296</b>	Corrective Action	Corrective Action
112333	Monitoring	Monitoring

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
112365	Not Applicable	Not Applicable
112428	Monitoring	Monitoring
112497	Monitoring	Monitoring
112525	Corrective Action	Corrective Action
112538	Monitoring	Monitoring
112580	Closure	Closure
112586	Closure	Closure
<b>112589</b>	Monitoring	Monitoring
112592	Monitoring	Monitoring
112602	Not Applicable	Not Applicable
112630	Monitoring	Monitoring
112643	Not Applicable	Not Applicable
112653	Monitoring	Monitoring
112654	Not Applicable	Not Applicable
112658	Corrective Action	Corrective Action
112659	Monitoring	Monitoring
112661	Not Applicable	Not Applicable
112665	Not Applicable	Not Applicable
112695	Not Applicable	Not Applicable
112698	Closure	Closure
112703	Not Applicable	Not Applicable
112781	Monitoring	Monitoring
112798	Closure	Closure
112816	Monitoring	Cross-Referenced

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
112836	Monitoring	Monitoring
112847	Closure	Closure
112869	Not Applicable	Not Applicable
112878	Monitoring	Monitoring
112913	Monitoring	Monitoring
112917	Corrective Action	Corrective Action
112919	Monitoring	Monitoring
112930	Closure	Closure
112932	Monitoring	Monitoring
112935	Corrective Action	Corrective Action
112943	Monitoring	Monitoring
<b>112967</b>	Monitoring	Cross-Referenced
112975	Closure	Closure
112993	Corrective Action	Corrective Action
113008	Not Applicable	Not Applicable
113045	Closure	Closure
113046	Monitoring	Monitoring
113055	Monitoring	-
113065	Closure	Closure
113096	Corrective Action	Corrective Action
113099	Monitoring	Monitoring
113102	Monitoring	Monitoring
113134	Monitoring	Monitoring
113154	Not Applicable	Not Applicable

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
113162	Monitoring	Monitoring
113170	Monitoring	Monitoring
113175	Closure	Closure
113176	Closure	Closure
113185	Monitoring	Cross-Referenced
113186	Corrective Action	Corrective Action
113228	Closure	Closure
113232	Monitoring	Monitoring
113285	Monitoring	Monitoring
113324	Monitoring	Monitoring
113325	Monitoring	Monitoring
113332	Corrective Action	Corrective Action
113369	Monitoring	Monitoring
113397	Closure	Closure
113400	Corrective Action	Corrective Action
113401	Monitoring	Monitoring
113443	Monitoring	Monitoring
113452	Monitoring	Monitoring
113486	Not Applicable	Not Applicable
113509	Monitoring	Monitoring
113573	Not Applicable	Not Applicable
113587	Corrective Action	Corrective Action
113600	Monitoring	Monitoring
113648	Monitoring	Monitoring

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
113659	Monitoring	Monitoring
113671	Closure	Closure
113678	Monitoring	Monitoring
113729	Monitoring	-
113738	Monitoring	Monitoring
113837	Monitoring	Monitoring
113838	Monitoring	Monitoring
113893	Monitoring	Monitoring
113939	Not Applicable	Not Applicable
113973	Monitoring	Monitoring
113975	Monitoring	Monitoring
113981	Not Applicable	Not Applicable
113997	Monitoring	Monitoring
114046	Corrective Action	Corrective Action
114048	Closure	Closure
114052	Closure	Closure
114072	Monitoring	Monitoring
114084	Closure	Closure
114085	Monitoring	Monitoring
114096	Monitoring	Monitoring
114106	Monitoring	Monitoring
114107	Monitoring	Monitoring
114108	Monitoring	Monitoring
114117	Monitoring	Monitoring

<b>LPST ID #</b>	<b>Proposed Activity</b>	<b>Completed Activity</b>
114122	Not Applicable	Not Applicable
114178	Monitoring	Monitoring
114199	Corrective Action	Corrective Action
114289	Not Applicable	Not Applicable
<b>114425</b>	Not Applicable	Not Applicable
114535	Monitoring	Monitoring
114770	Not Applicable	Not Applicable
115278	Monitoring	Monitoring
115616	Monitoring	Monitoring
116114	Monitoring	Monitoring
117095	Referred	Referred
117954	Monitoring	Monitoring
<b>119489</b>	Closure	Closure

## Appendix B: Fiscal Year 2016 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.

<b>LPST ID #</b>	<b>Current Status</b>	<b>Amounts Expended in FY16</b>
114215	Monitoring	\$13,494.50
114315	Closed	\$5,494.60
114341	Corrective Action	\$34,426.00
114525	Monitoring	\$19,871.09
114691	Monitoring	\$15,641.00
114824	Closed	\$26,237.75
114832	Closed	\$14,898.90
114907	Monitoring	\$9,522.58
115029	Monitoring	\$15,739.98
115117	Monitoring	\$19,185.40
115152	Monitoring	\$19,075.50
115169	Monitoring	Cross-Referenced
115170	Monitoring	\$50,593.50
115551	Monitoring	\$10,022.40

<b>LPST ID #</b>	<b>Current Status</b>	<b>Amounts Expended in FY16</b>
115574	Monitoring	Cross-Referenced
115605	Monitoring	\$6,934.00
115729	Monitoring	\$8,366.39
115767	Closed	\$14,389.50
115771	Monitoring	\$41,995.26
115879	Monitoring	\$35,398.51
115901	Closed	\$28,282.88
115929	Corrective Action	\$191,668.00
116079	Monitoring	-
116213	Monitoring	\$10,873.25
116366	Monitoring	\$575.00
116534	Monitoring	Cross-Referenced
116535	Monitoring	\$14,724.04
116561	Monitoring	Cross-Referenced
116863	Monitoring	\$15,723.20
116970	Closed	\$5,990.45
117314	Monitoring	Cross-Referenced
117336	Monitoring	\$13,215.36
117372	Closed	\$3,306.68
117419	Monitoring	\$49,665.25
117522	Monitoring	\$6,780.90
117704	Monitoring	\$17,000.24
117794	Monitoring	\$12,742.84

<b>LPST ID #</b>	<b>Current Status</b>	<b>Amounts Expended in FY16</b>
117829	Monitoring	\$85,422.60
117850	Monitoring	\$18,398.60
118005	Monitoring	\$844.50
118048	Closed	-
118052	Monitoring	\$99,923.30
118089	Monitoring	\$13,517.00
118137	Monitoring	\$13,124.46
118252	Monitoring	\$84,206.50
118274	Monitoring	\$14,275.25
118321	Monitoring	\$72,950.56
118360	Closed	\$8,926.43
118373	Monitoring	Cross-Referenced
118382	Monitoring	Cross-Referenced
118410	Monitoring	\$33,817.86
118433	Monitoring	Cross-Referenced
118435	Monitoring	\$2,517.05
118467	Monitoring	\$85,286.05
118768	Monitoring	\$30,760.28
118851	Monitoring	\$3,606.70
118893	Monitoring	\$43,584.29
119018	Monitoring	\$5,822.58
119067	Closed	\$3,725.50
119124	Monitoring	\$21,519.75

<b>LPST ID #</b>	<b>Current Status</b>	<b>Amounts Expended in FY16</b>
119146	Monitoring	\$49,302.50
119191	Monitoring	\$15,508.98
119422	Monitoring	\$32,846.20
119472	Monitoring	\$20,234.51
119479	Monitoring	\$44,102.00
119573	Monitoring	\$31,270.60
119581	Monitoring	\$28,161.30
119602	Monitoring	\$2,529.40
119742	Monitoring	\$77,432.36
119747	Monitoring	Cross-Referenced
119831	Monitoring	\$32,838.40
119857	Monitoring	\$6,279.40
119860	Monitoring	-
119904	Monitoring	\$2,510.20
119941	Monitoring	\$82,961.44

