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Status of Corrective Action at Petroleum-contaminated Sites

Status of Corrective Action at Petroleum-contaminated Sites

**Prepared by the Remediation Division
November 1, 2014**



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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, 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, amounts of cost recovery and enforcement actions taken against owners and operators related to those 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, Subchapter I, Chapter 26 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 clean up 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 cleanup 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 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,

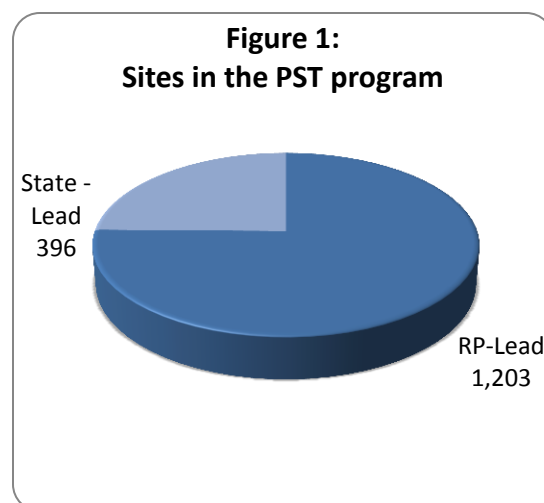
could apply to have their sites placed in the State-Lead Program. Over 300 reimbursement eligible sites were transferred to the State-Lead Program. The reimbursement program expired on September 1, 2012.

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, 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, or 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, 26,932 releases have been reported. Cleanup has been completed at 25,333 sites. As of September 1, 2014, there are 1,599 sites remaining that need corrective action. As depicted in Figure 1, there are 1,203 sites that responsible parties are addressing and 396 sites that the TCEQ's State-Lead Program is addressing. The 396 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 a higher 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). Table 1 provides a breakdown of sites in the State-Lead Program as of September 1, 2013, the remaining (open) sites as of September 1, 2014, and denotes the number of sites where corrective action activities were conducted during Fiscal Year (FY) 2014. Further discussion on the status and specific information for these groups of sites as outlined in the statute is provided in the following sections.

Table 1. Distribution of sites in the PST State-Lead Program.

State-Lead Sites		
Reported release date	Dec. 22, 1998 or earlier	After Dec. 22, 1998
Total sites as of September 1, 2013	366	63
Corrective Action activities conducted in FY 2014	356	59
Open sites as of September 1, 2014	339	57

Releases reported on or before December 22, 1998

In FY 2014, risk-based corrective action activities were conducted at 356 of the 366 sites open at the beginning of FY2014 (approximately 97% of these sites). The program is required by statute to use a risk-based approach to address cleanup 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 2014. In addition, Table 2 provides a breakdown of the phase of cleanup of the 339 remaining sites, and the projected costs and timeline for closure of these sites.

Table 2. Status of December 22, 1998 or earlier remaining releases

Phase of Cleanup	Number of Sites	Projected Costs*	Projected Timeline to Closure **
Monitoring	270	\$16.2M- \$39.3M	5 - 10 years
Corrective Action	69	\$28.7M - \$43.4M	10 - 12 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, 2014, there are 57 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 2014. In FY 2014, 6 sites were closed (i.e., no further corrective action is needed).

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 2014 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 2014, one emergency action was completed; however the responsible party is currently unknown and cost recovery is not being pursued at this time.

Conclusion

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 (TCEQ Sunset Bill) 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. The estimated fee revenue for the current biennium (2014-2015) is approximately \$46,159,000, as projected in the Commission's Legislative Appropriations Request. This amount is to provide support for the entire TCEQ PST Program, which includes regulatory aspects (such as registration, inspection, enforcement) and cleanups (oversight of responsible party-lead and State-Lead Program cleanups).

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 2, the estimated timeframes for necessary corrective actions to be completed at some sites may exceed this date, at a minimum approximate cost of \$45,000,000. While this finite number of sites will continue to decrease as corrective actions are completed and cases are closed, the 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 6 sites are entered into the State-Lead Program to complete the necessary corrective actions.

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

1. Continued implementation of the current fee rate through the next biennium ;
2. In FY 2014, risk-based corrective action activities were conducted on 97% of the sites with releases reported on or before December 22, 1998 and 27 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, 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 2014 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).

Sites with an “*” 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
91258	Monitoring	Monitoring
91399	Monitoring	-
91442	Monitoring	Monitoring
91492	Monitoring	Monitoring
91530	Corrective Action	Corrective Action
91586	Monitoring	Monitoring
91598	Monitoring	Monitoring
91633	Corrective Action	Corrective Action
91686	Monitoring	Monitoring
91745	Monitoring	Monitoring
91815	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
91849	Corrective Action	Corrective Action
91859	Closed	Closed
91958	Monitoring	Monitoring
91966	Monitoring	Monitoring
92044	Monitoring	Monitoring
92064	Closed	Closed
92066	Monitoring	Monitoring
92112*	Monitoring	Monitoring
92213	Monitoring	Monitoring
92225	Monitoring	Monitoring
92373	Monitoring	Monitoring
92401	Monitoring	Monitoring
92553	Corrective Action	Corrective Action
92663	Monitoring	Monitoring
92693	Monitoring	Monitoring
92730	Monitoring	Monitoring
92765	Monitoring	Monitoring
92767	Monitoring	Monitoring
92823	Corrective Action	Corrective Action
92877	Monitoring	Monitoring
93040	Corrective Action	Corrective Action
93156	Corrective Action	Corrective Action
93181	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
93354	Monitoring	Monitoring
93386	Monitoring	Monitoring
93525	Monitoring	Monitoring
93559	Monitoring	Monitoring
93576	Monitoring	Monitoring
93591	Monitoring	Monitoring
93593	Corrective Action	Corrective Action
93600	Monitoring	Monitoring
93636	Monitoring	Monitoring
93681	Corrective Action	Corrective Action
93785	Monitoring	Monitoring
93850	Corrective Action	Corrective Action
93931	Monitoring	Monitoring
93980	Monitoring	Monitoring
93997	Monitoring	Monitoring
93999	Closed	Closed
94099	Corrective Action	Corrective Action
94199	Corrective Action	Corrective Action
94301	Monitoring	Monitoring
94305	Corrective Action	Corrective Action
94335	Closed	Closed
94390	Corrective Action	Corrective Action
94412	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
94543	Corrective Action	Corrective Action
94560	Monitoring	Monitoring
94567	Corrective Action	Corrective Action
94571	Closed	Closed
94599	Corrective Action	Corrective Action
94802	Monitoring	Monitoring
94909	Corrective Action	Corrective Action
95059	Monitoring	Monitoring
95179	Monitoring	Monitoring
95196	Corrective Action	Corrective Action
95334	Monitoring	Monitoring
95341	Corrective Action	Corrective Action
95591	Monitoring	Monitoring
95700	Monitoring	Monitoring
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
96418	Closed	Closed

LPST ID #	Proposed Activity	Completed Activity
96574	Monitoring	Monitoring
96580	Corrective Action	Corrective Action
96683	Corrective Action	Corrective Action
96883	Monitoring	Monitoring
96902	Corrective Action	Corrective Action
96931	Monitoring	Monitoring
97200	Monitoring	Monitoring
97222	Monitoring	Monitoring
97320	Monitoring	Monitoring
97352	Monitoring	Monitoring
97410	Corrective Action	Corrective Action
97413	Monitoring	Monitoring
97453	Monitoring	Monitoring
97529	Corrective Action	Corrective Action
97597	Monitoring	Monitoring
97616	Monitoring	Monitoring
97733	Corrective Action	Corrective Action
97758	Monitoring	Monitoring
97962	Monitoring	Monitoring
97992	Monitoring	Monitoring
98042	Monitoring	Monitoring
98301	Closed	Closed
98311	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
98334	Corrective Action	Corrective Action
98523	Corrective Action	Corrective Action
98621	Monitoring	Monitoring
98708	Monitoring	Monitoring
98731	Corrective Action	Corrective Action
98752	Monitoring	Monitoring
98837	Monitoring	Monitoring
98876	Monitoring	Monitoring
98901	Monitoring	Monitoring
98952	Referred	Referred
99251	Monitoring	Monitoring
99256	Monitoring	Monitoring
99304	Referred	Referred
99338	Monitoring	Monitoring
99363	Monitoring	Monitoring
99373	Monitoring	Monitoring
99374	Monitoring	Monitoring
99483	Monitoring	Monitoring
99686	Monitoring	Monitoring
99780	Closed	Closed
99894	Corrective Action	Corrective Action
99916	Closed	Closed
99919	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
100105	Closed	Closed
100127	Corrective Action	Corrective Action
100194	Monitoring	Monitoring
100260	Monitoring	Monitoring
100668	Closed	Closed
100826	Monitoring	Monitoring
100937	Monitoring	Monitoring
101050	Monitoring	Monitoring
101301	Monitoring	Monitoring
101339	Corrective Action	Corrective Action
101749	Corrective Action	Corrective Action
101820	Monitoring	Monitoring
101842	Monitoring	Monitoring
102202	Corrective Action	Corrective Action
102425	Monitoring	Monitoring
102448	Monitoring	Monitoring
102959	Monitoring	Monitoring
102977	Monitoring	Monitoring
103061	Monitoring	Monitoring
103223	Monitoring	Monitoring
103338	Monitoring	Monitoring
103399	Corrective Action	Corrective Action
103497	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
103521	Monitoring	Monitoring
103842	Corrective Action	Corrective Action
103861	Monitoring	Monitoring
104158	Monitoring	Monitoring
104472	Monitoring	Monitoring
104481	Closed	Closed
104483	Monitoring	Monitoring
104670	Corrective Action	Corrective Action
105059	Monitoring	Monitoring
105405	Monitoring	Monitoring
105472	Monitoring	Monitoring
105652	Monitoring	Monitoring
105734	Monitoring	Monitoring
105966	Monitoring	-
106337	Closed	Closed
106368	Monitoring	Monitoring
106435	Monitoring	Monitoring
106595	Monitoring	Monitoring
106639	Monitoring	-
106747	Closed	Closed
106794	Closed	Closed
106798	Monitoring	Monitoring
106831	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
106930	Monitoring	Monitoring
106989	Monitoring	Monitoring
107025	Monitoring	Monitoring
107058	Monitoring	Monitoring
107118	Monitoring	Monitoring
107270	Corrective Action	Corrective Action
107447	Monitoring	Monitoring
107475	Monitoring	Monitoring
107481	Monitoring	Monitoring
107671	Monitoring	Monitoring
107883	Monitoring	Monitoring
107932	Monitoring	Monitoring
108207	Monitoring	Monitoring
108399	Monitoring	Monitoring
108640	Monitoring	Monitoring
108723	Monitoring	Monitoring
108725	Monitoring	Monitoring
108762	Monitoring	Monitoring
108903	Monitoring	Monitoring
109094	Monitoring	Monitoring
109128	Monitoring	Monitoring
109150	Monitoring	Monitoring
109268	Corrective Action	Corrective Action

LPST ID #	Proposed Activity	Completed Activity
109297	Corrective Action	Corrective Action
109426	Monitoring	Monitoring
109483	Closed	Closed
109493	Monitoring	Monitoring
109518	Closed	Closed
109520	Monitoring	Monitoring
109616	Closed	Closed
109701	Corrective Action	Corrective Action
109768	Monitoring	Monitoring
109780	Monitoring	-
109795	Closed	Closed
109901	Monitoring	Monitoring
109994	Corrective Action	Corrective Action
110101	Corrective Action	Corrective Action
110112	Corrective Action	Corrective Action
110157	Monitoring	Monitoring
110182	Monitoring	Monitoring
110293	Monitoring	Monitoring
110529	Referred	Referred
110583	Monitoring	Monitoring
110715	Monitoring	Monitoring
110748	Monitoring	Monitoring
110752	Corrective Action	Corrective Action

LPST ID #	Proposed Activity	Completed Activity
110761	Corrective Action	Corrective Action
110827	Monitoring	Monitoring
110863	Monitoring	Monitoring
110920	Monitoring	Monitoring
110951	Monitoring	Monitoring
110981	Monitoring	Monitoring
111073	Monitoring	Monitoring
111264	Monitoring	Monitoring
111306	Monitoring	Monitoring
111346	Monitoring	Monitoring
111367	Monitoring	Monitoring
111372	Monitoring	Monitoring
111380	Monitoring	Monitoring
111431	Monitoring	Monitoring
111466	Monitoring	Monitoring
111469	Monitoring	Monitoring
111478*	Monitoring	Monitoring
111488	Monitoring	Monitoring
111499	Monitoring	Monitoring
111507	Monitoring	Monitoring
111525	Monitoring	-
111565	Monitoring	Monitoring
111587	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
111612	Closed	Closed
111615	Corrective Action	Corrective Action
111641	Corrective Action	Corrective Action
111669	Corrective Action	Corrective Action
111761	Monitoring	Monitoring
111775	Monitoring	Monitoring
111799	Closed	Closed
111830	Corrective Action	Corrective Action
111835*	Monitoring	Monitoring
111856	Monitoring	Monitoring
111873	Monitoring	Monitoring
111925	Monitoring	Monitoring
111934	Closed	Closed
111963	Corrective Action	Corrective Action
112118	Monitoring	Monitoring
112131	Monitoring	Monitoring
112145	Closed	Closed
112157	Monitoring	Monitoring
112159	Monitoring	Monitoring
112167*	Corrective Action	Corrective Action
112223	Corrective Action	Corrective Action
112242	Corrective Action	Corrective Action
112268	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
112333	Monitoring	Monitoring
112365	Monitoring	Monitoring
112428	Monitoring	Monitoring
112497	Monitoring	Monitoring
112525	Corrective Action	Corrective Action
112538	Monitoring	Monitoring
112580	Monitoring	Monitoring
112586	Monitoring	Monitoring
112592	Monitoring	Monitoring
112602	Closed	Closed
112630	Monitoring	-
112643	Monitoring	Monitoring
112653	Monitoring	-
112654	Closed	Closed
112658	Corrective Action	Corrective Action
112659	Monitoring	Monitoring
112661	Monitoring	Monitoring
112665	Monitoring	Monitoring
112695	Monitoring	Monitoring
112698	Monitoring	Monitoring
112703	Monitoring	Monitoring
112781	Monitoring	Monitoring
112798	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
112816	Monitoring	Monitoring
112836	Monitoring	Monitoring
112847	Monitoring	Monitoring
112869	Monitoring	Monitoring
112878	Monitoring	Monitoring
112913	Monitoring	Monitoring
112917	Corrective Action	Corrective Action
112919	Monitoring	Monitoring
112930	Monitoring	Monitoring
112932	Monitoring	Monitoring
112935	Corrective Action	Corrective Action
112943	Monitoring	Monitoring
112975	Monitoring	Monitoring
112993	Corrective Action	Corrective Action
113008	Monitoring	Monitoring
113045	Monitoring	Monitoring
113046	Monitoring	Monitoring
113055	Monitoring	Monitoring
113065	Monitoring	Monitoring
113096	Corrective Action	Corrective Action
113099	Monitoring	Monitoring
113102	Monitoring	Monitoring
113134	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
113154	Closed	Closed
113162	Monitoring	Monitoring
113170	Monitoring	Monitoring
113175	Monitoring	Monitoring
113176	Monitoring	Monitoring
113185	Monitoring	Monitoring
113186	Monitoring	Monitoring
113228	Monitoring	Monitoring
113232	Monitoring	Monitoring
113285	Monitoring	Monitoring
113324	Monitoring	Monitoring
113325	Monitoring	Monitoring
113332	Corrective Action	Corrective Action
113369	Monitoring	Monitoring
113397	Monitoring	Monitoring
113400	Monitoring	Monitoring
113401	Monitoring	Monitoring
113443	Monitoring	Monitoring
113452	Monitoring	Monitoring
113486	Monitoring	Monitoring
113509	Monitoring	Monitoring
113573	Monitoring	Monitoring
113587	Corrective Action	Corrective Action

LPST ID #	Proposed Activity	Completed Activity
113600	Monitoring	Monitoring
113648	Monitoring	Monitoring
113659	Monitoring	Monitoring
113671	Monitoring	Monitoring
113678	Monitoring	Monitoring
113729	Monitoring	-
113738	Monitoring	Monitoring
113837	Monitoring	Monitoring
113838	Monitoring	Monitoring
113893	Monitoring	Monitoring
113939	Corrective Action	-
113973	Monitoring	Monitoring
113975	Monitoring	Monitoring
113981	Monitoring	Monitoring
113997	Corrective Action	Corrective Action
114046	Corrective Action	Corrective Action
114048	Monitoring	Monitoring
114052	Monitoring	Monitoring
114072	Monitoring	Monitoring
114084	Corrective Action	Corrective Action
114085	Monitoring	Monitoring
114096	Monitoring	Monitoring
114106	Monitoring	Monitoring

LPST ID #	Proposed Activity	Completed Activity
114107	Monitoring	Monitoring
114108	Monitoring	Monitoring
114117	Monitoring	Monitoring
114122	Closed	Closed
114178	Monitoring	Monitoring
114199	Corrective Action	Corrective Action
114289	Monitoring	-
114535	Monitoring	Monitoring
114770	Monitoring	Monitoring
115278	Monitoring	Monitoring
115616	Monitoring	Monitoring
116114	Monitoring	Monitoring
117095	Referred	Referred
117954	Monitoring	Monitoring

Appendix B: Fiscal Year 2014 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 FY14
114215	Monitoring	\$1,200.07
114315	Monitoring	\$2,916.60
114341	Corrective Action	\$43,447.21
114342	Closed	\$10,726.37
114425	Monitoring	-
114525	Monitoring	\$18,495.85
114631	Monitoring	\$1,286.70
114824	Corrective Action	\$125,844.40
114877	Monitoring	\$2,737.82
114978	Closed	\$5,615.40
115029	Monitoring	\$27,066.12
115117	Monitoring	\$4,291.44

LPST ID #	Current Status	Amounts Expended in FY14
115137	Monitoring	\$2,098.82
115152	Monitoring	\$1,610.50
115169	Monitoring	Cross-Referenced
115170	Monitoring	\$68,883.70
115215	Closed	\$5,299.86
115273	Monitoring	\$48,745.82
115303	Monitoring	\$14,005.38
115314	Closed	\$1,109.94
115360	Monitoring	\$3,200.25
115551	Monitoring	\$4,434.20
115574	Monitoring	Cross-Referenced
115605	Monitoring	\$3,287.00
115767	Monitoring	\$9,078.50
115771	Monitoring	\$42,956.58
115879	Monitoring	\$72,122.95
115901	Corrective Action	\$14,216.89
115929	Corrective Action	\$132,284.08
116213	Monitoring	\$17,470.00
116366	Monitoring	\$8,382.99
116534	Monitoring	Cross-Referenced
116535	Monitoring	\$14,487.58
116561	Monitoring	Cross-Referenced
116804	Monitoring	\$1,612.90

LPST ID #	Current Status	Amounts Expended in FY14
116863	Monitoring	\$21,592.60
116970	Monitoring	\$3,802.90
117314	Monitoring	Cross-Referenced
117336	Monitoring	-
117372	Monitoring	\$950.00
117419	Monitoring	-
117522	Monitoring	\$4,780.44
117704	Monitoring	\$2,114.97
117829	Monitoring	\$2,544.98
118005	Monitoring	\$4,878.60
118048	Monitoring	\$10,827.77
118052	Monitoring	\$19,259.18
118089	Monitoring	\$644.00
118137	Monitoring	\$37,281.43
118252	Monitoring	\$198,003.30
118258	Monitoring	Cross-Referenced
118274	Monitoring	\$20,276.60
118321	Monitoring	\$49,259.83
118351	Monitoring	Cross-Referenced
118360	Monitoring	\$28,248.32
118373	Monitoring	Cross-Referenced
118433	Monitoring	Cross-Referenced
118435	Monitoring	-

LPST ID #	Current Status	Amounts Expended in FY14
118752	Monitoring	\$36,421.05
118948	Closed	\$18,516.33
119067	Monitoring	\$9,784.70
119076	Closed	\$20,600.57
119146	Monitoring	\$143,417.20

