STATE OF TENNESSEE

DIVISION OF UNDERGROUND STORAGE TANKS

CASE PRIORITIZATION PLAN UPDATE

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10/03/18
Case Prioritization Plan

- Each plan includes a financial analysis to ensure that obligations never again exceed available funds

- The plan accounts for:
  - State owned corrective action system refurbishment cost, system start-up, operation and maintenance, and associated sampling and reporting
  - Closure monitoring at sites that have reached clean-up levels
  - Investigation of all new releases to determine risk levels
  - Emergency funding
  - Funding to evaluate new technologies and conduct pilot studies
## Historical Case Prioritization Plan

<table>
<thead>
<tr>
<th>Priority Plan</th>
<th>Total Contamination Cases</th>
<th>Fund Covered Sites Approved for Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 2007</td>
<td>768</td>
<td>71</td>
</tr>
<tr>
<td>March 2008</td>
<td>645</td>
<td>57</td>
</tr>
<tr>
<td>October 2009</td>
<td>538</td>
<td>89</td>
</tr>
<tr>
<td>October 2010</td>
<td>505</td>
<td>43</td>
</tr>
<tr>
<td>October 2012</td>
<td>455</td>
<td>48</td>
</tr>
<tr>
<td>October 2013</td>
<td>383</td>
<td>26</td>
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<tr>
<td>October 2014</td>
<td>345</td>
<td>20</td>
</tr>
<tr>
<td>October 2015</td>
<td>308</td>
<td>20</td>
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<tr>
<td>October 2016</td>
<td>244</td>
<td>24</td>
</tr>
<tr>
<td>October 2017</td>
<td>204</td>
<td>33</td>
</tr>
<tr>
<td>October 2018</td>
<td>164*</td>
<td>34</td>
</tr>
</tbody>
</table>

All remaining sites are in preliminary assessment, closure monitoring, enforcement, or are not in the Fund.

* - Total Contamination Cases as of August 1, 2018
164 ACTIVE CONTAMINATION CASES

- Corrective Action: 93 (56.7%)
- Release Investigation: 34 (20.7%)
- Closure Monitoring: 26 (15.9%)
- Site Check: 11 (6.7%)

Contamination cases on August 1, 2018
Contamination cases on August 1, 2018

118 FUND COVERED CONTAMINATION CASES

Corrective Action: 60.2% (71 cases)
Release Investigation: 21.2% (25 cases)
Closure Monitoring: 14.4% (17 cases)
Site Check: 4.2% (5 cases)
Case Prioritization
Phase XI

The current plan provides for:

- Completion of investigation and risk assessment, installation and operation for 1 year with a state owned refurbished system – 34
- Remediation systems to continue operation – 59
- Closure monitoring at sites that have reached clean-up levels – 17
- Non-fund covered sites to conduct investigation and/or clean-up – 46
- Investigation of new releases to determine risk levels (last year 55)
- Emergency response funding
- Funding to conduct pilot projects and evaluate new technologies
Continued Success Rate

190 State Purchased CAS

234 contamination cases have closed following completion of corrective action with contract purchased system

Average time to reach clean-up levels = 2.8 yrs

Average time through closure monitoring = 3.9 yrs

Data for August 1, 2018
Future Plans

1) A continued focus on completing remediation projects where each project is evaluated in detail by Division staff with final review by Director

2) New and/or alternative investigation and clean-up technologies will be utilized for sites that are deemed compatible and where a need is identified. Currently using:

A. High resolution site characterization
B. Activated carbon/bioremediation
C. Horizontal recovery wells
D. In-situ chemical oxidation, bio-amendment, and surfactant injections
THANK YOU