MARYLAND DEPARTMENT OF THE ENVIRONMENT

ENVIRONMENTAL RESTORATION & REDEVELOPMENT PROGRAM

CONGRESSIONAL BRIEFING

MAY 12, 2000
# Table of Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>2</td>
</tr>
<tr>
<td><strong>Program Organization</strong></td>
<td></td>
</tr>
<tr>
<td>State Superfund Division</td>
<td>2</td>
</tr>
<tr>
<td>Federal Facilities/NPL Superfund Division</td>
<td>2</td>
</tr>
<tr>
<td>Voluntary Cleanup/Brownfields Division</td>
<td>3</td>
</tr>
<tr>
<td><strong>ERRP Program Highlights</strong></td>
<td>4</td>
</tr>
<tr>
<td>State Superfund Division</td>
<td>4</td>
</tr>
<tr>
<td>Brownfields Assessments</td>
<td>5</td>
</tr>
<tr>
<td>Voluntary Cleanup Program</td>
<td>6</td>
</tr>
<tr>
<td>NPL Sites</td>
<td>10</td>
</tr>
<tr>
<td>Federal Facilities</td>
<td>11</td>
</tr>
<tr>
<td><strong>Appendix 1</strong></td>
<td></td>
</tr>
<tr>
<td>State Superfund Division: 3-Step Process State Master List Sites</td>
<td></td>
</tr>
<tr>
<td><strong>Appendix 2</strong></td>
<td></td>
</tr>
<tr>
<td>Voluntary Cleanup Program Information Document</td>
<td></td>
</tr>
</tbody>
</table>

# Introduction
The Environmental Restoration and Redevelopment Program (ERRP) of the Maryland Department of the Environment (MDE) is responsible for managing the investigation and cleanup of uncontrolled hazardous substance releases at sites throughout the state of Maryland. ERRP efforts protect public health and the environment by abating uncontrolled discharges of hazardous substances and ensuring that measures are taken to protect public health and the environment.

**PROGRAM ORGANIZATION**

The ERRP is comprised of three Divisions that oversee and conduct investigations and cleanups at hazardous substance release sites. The State Superfund Division oversees cleanups of historically contaminated hazardous substances at sites that are not on the United States Environmental Protection Agency’s (EPA) National Priorities List (NPL). Oversight of environmental remediation at sites throughout Maryland is provided with primary emphasis on the State Master List, a list of sites known or reported to be contaminated by hazardous substances. Currently, this part of the Program oversees cleanup at over 35 sites including 6 “Pilot Deferral” NPL caliber sites.

The Division also conducts assessments of property on brownfields and other sites using EPA funds. Brownfields are abandoned or under-utilized industrial or commercial properties where real or perceived environmental contamination hinders redevelopment. Complementary to the Brownfield Assessments, the Division prepares Site Surveys, Preliminary Assessments and Site Investigation reports for EPA Region III under a Superfund Pre-Remedial Cooperative Agreement.

The Federal Facilities/NPL Superfund Division oversees the investigation and remediation of sites that are listed on the NPL and sites where the Department of Defense (DOD) is a responsible party to the contamination at sites. The Federal Facilities Section oversees DOD lead hazardous substance release site cleanups. The Section ensures that state requirements are considered and public health and the environment are protected at sites where the Department of Defense is responsible for contamination. The Federal Facilities Section currently oversees environmental activity at 21 sites in Maryland including Aberdeen Proving Ground, Fort Detrick and the Naval Air Station at Patuxent.
The Federal Facilities Section places emphasis on Base Realignment and Closure sites and other military facilities scheduled to close to facilitate reuse of these properties. Through partnering efforts with these facilities and the EPA, the Section is able to expedite assessment, evaluation and, where necessary, remediation of environmental conditions at these sites.

The NPL Superfund Section oversees the remedial activities at NPL sites not owned by the federal government. At these sites, a responsible party to the contamination at a site conducts both the investigation and remediation under the oversight of the EPA and the MDE. If no viable responsible party is available to address the contamination at a site, then the EPA, with the support of the MDE, conducts the required environmental studies. The NPL Section currently is overseeing work at eight NPL sites.

The Voluntary Cleanup/Brownfields Division encourages the voluntary cleanup and redevelopment of contaminated properties through a streamlined regulatory process. The program enables eligible purchasers of property to substantially limit liability for past contamination prior to purchase of the property. The Voluntary Cleanup Program (VCP) works closely with the Brownfields Revitalization Incentive Program, administered by the Maryland Department of Business and Economic Development, to provide financial incentives in the form of tax credits, grants and loans for redevelopment of eligible brownfield properties.

**ERRP Program Highlights**

Direct push technology used to collect soil and groundwater samples at the Sauer Dump Site, Baltimore County, MD.

Test pit excavation at the Contee Sand and Gravel site in Prince George's County, MD to investigate the presence of hazardous waste in the landfill.
The following highlights the major activities conducted from each of the ERRP Divisions.

**State Superfund Division**

In 1999, the State Superfund Division requested federal Superfund funding to assess 132 State Master List sites that are suspected to be contaminated with hazardous substances or materials. The funding request was the first step in a 3-step process to allow the MDE to determine those sites that required remediation and to determine if the current property owner would perform the necessary work. In step 1 of the 3-step process, the Division conducted site surveys on the 132 State Master List sites (see Appendix 1). In the second step of the 3-step process, the State Superfund Division received in FY 2000 $241,451 in State general funds to conduct site assessments/remedial investigations at seven sites that had been screened from step 1. The final step, to begin in FY 2001, will use $750,000 from the State Capitol Budget "PAYGO" funds.
to begin State funded remediation at a contaminated step-2 site where the person(s) identified as responsible for the release of hazardous substances either refused or was unable to perform the necessary remediation work.

**Brownfields Assessments**

The State Superfund Division for the past 5 years has been an active participant in the EPA-funded Brownfields Site Assessment Initiative. Under this initiative, Federal funds are used to conduct site assessments on publicly owned brownfields sites. To be eligible for the program, sites must be vacant or under-utilized, where remediation is feasible and where redevelopment will create jobs and improve the local tax base. To date, the Division has conducted 58 assessments of brownfield properties totaling

---

**Focus On A Brownfields Assessment Site**

**Baldwin House Property**

**Hagerstown, Maryland**

The Baldwin House property in Hagerstown, Washington County, Maryland is an excellent example of how pivotal a brownfields assessment can be in facilitating reuse of property. This one-acre property, formerly used as a hotel and department store facility, is owned by the City of Hagerstown. The property has not been used for the past 17 years. The City of Hagerstown has targeted economic development efforts toward this property because of the site’s location, infrastructure and flat topography. Using EPA funding, the State was able to assess the interior and exterior area of the property at the request of the University of Maryland. This additional environmental assessment information is being used to enter the site in the State’s VCP where a plan will soon be prepared to address any environmental issues. Prospective purchasers and lessees have been interested in the site but environmental issues have proved to be a barrier. This assessment will facilitate the reuse of the property as an extension of the University of Maryland.
over 967 acres of properties located in urban, as well as more rural areas, across Maryland. Each brownfield assessment increases the potential for reuse of that property by providing prospective buyers with the environmental information necessary to quantify the extent of environmental costs that will be required to meet public health and environmental protection standards, if any. In some cases, the assessments have determined that there are no further requirements necessary for properties which increases the likelihood that those properties will be redeveloped.

### Brownfields Assessments Completed by the State Superfund Division

<table>
<thead>
<tr>
<th>Site Name</th>
<th>City</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>1440 Key Highway</td>
<td>Baltimore</td>
<td>2</td>
</tr>
<tr>
<td>Seton Business Park</td>
<td>Baltimore</td>
<td>40</td>
</tr>
<tr>
<td>Carroll/Camden Survey</td>
<td>Baltimore</td>
<td>500</td>
</tr>
<tr>
<td>CSX 700 W. Chesapeake</td>
<td>Baltimore</td>
<td>6</td>
</tr>
<tr>
<td>Fairfield Homes</td>
<td>Baltimore</td>
<td>20</td>
</tr>
<tr>
<td>CSX Chesapeake and Shell Rd</td>
<td>Baltimore</td>
<td>3.3</td>
</tr>
<tr>
<td>4400 Reisterstown Rd.</td>
<td>Baltimore</td>
<td>6</td>
</tr>
<tr>
<td>Kane Street</td>
<td>Baltimore</td>
<td>1.7</td>
</tr>
<tr>
<td>3500 Biddle Street</td>
<td>Baltimore</td>
<td>22.5</td>
</tr>
<tr>
<td>Shannon Drive</td>
<td>Baltimore</td>
<td>8</td>
</tr>
<tr>
<td>Parkin Street</td>
<td>Baltimore</td>
<td>12</td>
</tr>
<tr>
<td>5600 Lombard Street</td>
<td>Baltimore</td>
<td>8.6</td>
</tr>
<tr>
<td>Pat Block-Haven Street</td>
<td>Baltimore</td>
<td>7.6</td>
</tr>
<tr>
<td>Fairfield Mixed Residential II</td>
<td>Baltimore</td>
<td>10</td>
</tr>
<tr>
<td>Fairfield Mixed Residential I</td>
<td>Baltimore</td>
<td>10</td>
</tr>
<tr>
<td>CSX Shell and Patapsco Ave</td>
<td>Baltimore</td>
<td>8</td>
</tr>
<tr>
<td>Fort McHenry Shipyard</td>
<td>Baltimore</td>
<td>13.8</td>
</tr>
<tr>
<td>801 South Caroline Street</td>
<td>Baltimore</td>
<td>1.5</td>
</tr>
<tr>
<td>Museum of Industry</td>
<td>Baltimore</td>
<td>1.9</td>
</tr>
</tbody>
</table>

- **FNT Realty Cherry Hill** Baltimore 1
- **3700 Potee St** Baltimore 1
- **Phillips Packing** Cambridge 6
- **Centreville** Centreville 1.2
- **Crop Production Services** Chestertown 2.6
- **Cordova Elem. School** Cordova 4
- **PPG Industries** Cumberland 150
- **Footer Dye Works** Cumberland 1.5
- **Trino Industrial Park 18 lots** Elkton 525
- **Frederick Cooperative** Frederick 2
- **Middletown Fuel Depot** Frederick 1
- **U Of M Hagerstown Center** Hagerstown 1.0
- **Christ’s Church/Cannon Shoe** Hagerstown 4.0
- **Penns Marina** Havre De Grace 6
- **Riegel Scrap Property** Havre De Grace 6
- **Gilbert Property-4 Lots** Havre De Grace 4.6
- **Wilson Farm Site** Landover n/a
- **Hampton Business Park** Prince George’s 69
- **Tidewater Tractor** Wye Mills 3.2

### The Maryland Voluntary Cleanup Program

When Governor Glendening signed emergency legislation in February 1997 creating a VCP within MDE, a Brownfields Revitalization Incentive Program within the Department of Business and Economic Development, and expanded protection for lenders on contaminated properties, he said, "The brownfields law would help save undeveloped land around the State while helping bring jobs back into older areas in furtherance of Smart Growth." At the present time, 44 sites have been accepted into the VCP, cleanup is underway at five of the approved sites, and 11 other sites are pending (applications being reviewed or awaiting additional information to complete the application packages). In addition, 27 sites have been completed: 23 sites have received No Further Requirements Determinations and four sites have received Certificates of Completion. The 55 sites for which applications have been received represent 1,355.86 acres of property in Baltimore City and Allegany, Anne Arundel, Baltimore, Carroll, Cecil, Dorchester, Howard, Montgomery, Prince George’s, Washington and Wicomico counties.
The VCP reforms the process used to clean up eligible properties that are, or perceived to be, contaminated by hazardous substance release. In addition to providing a streamlined cleanup process, the VCP law provides liability protection for certain prospective owners of eligible properties in the Program to encourage the transfer of properties. These changes provide more "certainty" regarding environmental requirements to both responsible persons and future owners of a property thereby allowing parties to more accurately predict costs and time lines associated with a cleanup and increasing the likelihood of cleanup and redevelopment.

The Brownfields Revitalization Incentive Program provides property tax credits for the redevelopment of brownfields in participating jurisdictions. This program also provides loans and grants to inculpable persons toward the remediation of property contaminated by hazardous substance release or oil, thereby "jump starting" the redevelopment process where cleanup will have significant environment, economic development and urban revitalization benefits.

Additional enhancements to the Brownfields Revitalization Incentive Program were recently passed by the Maryland General Assembly during the 2000 legislative session. Effective October 2000, the Department of Business and Economic Development will be able to offer either low rate loans or grants to both prospective owners or responsible persons for the conduct of a Phase I and II environmental audit at eligible Brownfield sites.

To increase the likelihood of cleanup and redevelopment under the VCP, a Memorandum of Understanding was signed in 1997 by MDE and EPA Region III. The agreement addresses federal liability of a participant in Maryland’s VCP by providing that EPA will consider sites (in Maryland’s program) of no interest. Eligible properties in Maryland’s VCP will fall under this agreement once a no further requirements determination or certificate of completion has been issued for the property by MDE.

MDE’s ERRP is currently developing regulations to further streamline and standardize the application and response action plan approval process and fully implement the requirements of the VCP law. In the short term, uniform numeric cleanup standards are being developed to standardize the process of investigation, while program regulations will be developed over a longer time frame.

MDE continues to promote the VCP through the many forums, workshops and symposiums sponsored by the private sector and local governments and individual meetings with potential applicants. Please see Appendix 2 for the VCP Information Document.
Focus On A Voluntary Cleanup Program Site

CSX Former Bolt and Forge Property
Cumberland, Maryland

A successful example of a Voluntary Cleanup Project is the CSX Bolt and Forge property located in downtown Cumberland. This 33-acre site had been used for steel bolt fabrication and metal forging operations between 1920 and the early 1970s. All structures were razed in the mid-1980s and the site remained vacant for over a decade prior to acceptance into the Voluntary Cleanup Program. The developer of a portion of the property, having no current or prior ownership or interest in the property, was accepted as an inculpable person participant in the Program. The inculpable person status encourages new investment in properties by significantly limiting the purchaser's liability for existing environmental contamination.

A response action plan for the CSX Former Bolt and Forge property was developed and implemented by CSX to address the soil and groundwater contamination. Remediation of the property began in 1998 in accordance with the response action plan approved by the Department. Although the plan addresses all areas of soil and groundwater contamination on the 33-acre site, the first phase of the plan focused on a 11.5-acre portion of the property. Remediation activities, including excavation of contaminated soils and capping of certain portions of the 11.5-acre site have been completed and construction of a shopping center, with a major food market chain as the anchor store, is now in operation at the site.
<table>
<thead>
<tr>
<th>No.</th>
<th>Site Name</th>
<th>City</th>
<th>Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CSX Former Bolt and Forge Site</td>
<td>Cumberland</td>
<td>33</td>
</tr>
<tr>
<td>2</td>
<td>Parker Metal Decorating Property</td>
<td>Baltimore</td>
<td>0.73</td>
</tr>
<tr>
<td>3</td>
<td>PPG Property</td>
<td>Cumberland</td>
<td>150</td>
</tr>
<tr>
<td>4</td>
<td>American Can Company</td>
<td>Baltimore</td>
<td>4.3</td>
</tr>
<tr>
<td>5</td>
<td>Engineered Polymer Solutions, Inc.</td>
<td>Williamsport</td>
<td>8.5</td>
</tr>
<tr>
<td>6</td>
<td>Port Liberty Industrial Center</td>
<td>Baltimore</td>
<td>23.84</td>
</tr>
<tr>
<td>7</td>
<td>G &amp; H Partnership Property</td>
<td>Gambrills</td>
<td>38.25</td>
</tr>
<tr>
<td>8</td>
<td>Barre Station (Koppers Site)</td>
<td>Baltimore</td>
<td>8.6</td>
</tr>
<tr>
<td>9</td>
<td>Carrolltown Center</td>
<td>Eldersburg</td>
<td>31.78</td>
</tr>
<tr>
<td>10</td>
<td>Baymeadow Property</td>
<td>Glen Burnie</td>
<td>11.95</td>
</tr>
<tr>
<td>11</td>
<td>Baltimore Camden Yards</td>
<td>Baltimore</td>
<td>5</td>
</tr>
<tr>
<td>12</td>
<td>Beltsville Industrial Center</td>
<td>Beltsville</td>
<td>0.8</td>
</tr>
<tr>
<td>13</td>
<td>5221 River Road</td>
<td>Bethesda</td>
<td>2.3</td>
</tr>
<tr>
<td>14</td>
<td>Redland Genstar- White Marsh Plant</td>
<td>White Marsh</td>
<td>103.9</td>
</tr>
<tr>
<td>15</td>
<td>5450 Butler Road</td>
<td>Bethesda</td>
<td>2.78</td>
</tr>
<tr>
<td>16</td>
<td>Riverdale Plaza</td>
<td>Riverdale</td>
<td>11</td>
</tr>
<tr>
<td>17</td>
<td>Kurt Iron &amp; Metal, Inc.</td>
<td>Baltimore</td>
<td>10.44</td>
</tr>
<tr>
<td>18</td>
<td>Occidental Chemical Corporation</td>
<td>Perryville</td>
<td>125.65</td>
</tr>
<tr>
<td>19</td>
<td>Point Breeze Business Center (C1)</td>
<td>Baltimore</td>
<td>54.34</td>
</tr>
<tr>
<td>20</td>
<td>Point Breeze Business Center (D2)</td>
<td>Baltimore</td>
<td>15.69</td>
</tr>
<tr>
<td>21</td>
<td>Point Breeze Business Center (D1,D5)</td>
<td>Baltimore</td>
<td>14</td>
</tr>
<tr>
<td>22</td>
<td>The Hardaway Company</td>
<td>Odenton</td>
<td>9.2</td>
</tr>
<tr>
<td>23</td>
<td>Inland Leidy, Inc.</td>
<td>Baltimore</td>
<td>1</td>
</tr>
<tr>
<td>24</td>
<td>Yorktowne Plaza Shopping Center</td>
<td>Cockeysville</td>
<td>10.5</td>
</tr>
<tr>
<td>25</td>
<td>Former Maryland Wood Preserving</td>
<td>Rockville</td>
<td>2.11</td>
</tr>
<tr>
<td>26</td>
<td>1600-1606 Bush Street</td>
<td>Baltimore</td>
<td>0.42</td>
</tr>
<tr>
<td>27</td>
<td>Kop-Flx</td>
<td>Hanover</td>
<td>25</td>
</tr>
<tr>
<td>28</td>
<td>40 West Auto Park, Inc.</td>
<td>Baltimore</td>
<td>3.6</td>
</tr>
<tr>
<td>29</td>
<td>PATS, Inc.</td>
<td>Columbia</td>
<td>2.7</td>
</tr>
<tr>
<td>30</td>
<td>Silver Spring Redevelopment Project</td>
<td>Silver Spring</td>
<td>2.42</td>
</tr>
<tr>
<td>31</td>
<td>Har Sinai Property</td>
<td>Baltimore</td>
<td>17.6</td>
</tr>
<tr>
<td>32</td>
<td>Hyattsville Gas Former MGP</td>
<td>Edmonston</td>
<td>13</td>
</tr>
<tr>
<td>33</td>
<td>Former Esskay Plant</td>
<td>Baltimore</td>
<td>12.7</td>
</tr>
<tr>
<td>34</td>
<td>Arcade Building</td>
<td>Towson</td>
<td>22.1</td>
</tr>
<tr>
<td>35</td>
<td>Former Bell Cleaners</td>
<td>Bethesda</td>
<td>0.95</td>
</tr>
<tr>
<td>36</td>
<td>Texas Maintenance Yard</td>
<td>Cockeysville</td>
<td>11.2</td>
</tr>
<tr>
<td>37</td>
<td>Country Club Mall</td>
<td>LaVale</td>
<td>64.4</td>
</tr>
<tr>
<td>38</td>
<td>Point Breeze Business Center (D1A)</td>
<td>Baltimore</td>
<td>5.58</td>
</tr>
<tr>
<td>39</td>
<td>Point Breeze Business Center (D3)</td>
<td>Baltimore</td>
<td>7.38</td>
</tr>
<tr>
<td>40</td>
<td>Point Breeze Business Center (C3)</td>
<td>Baltimore</td>
<td>12.66</td>
</tr>
<tr>
<td>41</td>
<td>Eastern Shore Hospital Center</td>
<td>Cambridge</td>
<td>351</td>
</tr>
<tr>
<td>42</td>
<td>Wawa Food Market</td>
<td>Salisbury</td>
<td>1.9</td>
</tr>
<tr>
<td>43</td>
<td>Proctor &amp; Gamble Soap Manufacturing</td>
<td>Baltimore</td>
<td>13</td>
</tr>
<tr>
<td>44</td>
<td>Rockville Post Office</td>
<td>Rockville</td>
<td>0.63</td>
</tr>
<tr>
<td>45</td>
<td>AMF Joppa Lanes</td>
<td>Towson</td>
<td>3</td>
</tr>
<tr>
<td>46</td>
<td>Laurel Building Supply</td>
<td>Laurel</td>
<td>1.98</td>
</tr>
<tr>
<td>47</td>
<td>Crown Simplicatic</td>
<td>Baltimore</td>
<td>13.56</td>
</tr>
<tr>
<td>48</td>
<td>Kirk-Steiff Silver Building</td>
<td>Baltimore</td>
<td>2.52</td>
</tr>
<tr>
<td>49</td>
<td>2110 Hames Street</td>
<td>Baltimore</td>
<td>3.1</td>
</tr>
<tr>
<td>50</td>
<td>Rockville Metro Plaza</td>
<td>Rockville</td>
<td>3.5</td>
</tr>
<tr>
<td>51</td>
<td>Former Bausch &amp; Lomb Diecrafi Plant</td>
<td>Sparks</td>
<td>27.94</td>
</tr>
<tr>
<td>52</td>
<td>Montgomery Park Business Center</td>
<td>Baltimore</td>
<td>27.5</td>
</tr>
<tr>
<td>53</td>
<td>Westport Junction Depot</td>
<td>Baltimore</td>
<td>2.85</td>
</tr>
<tr>
<td>54</td>
<td>Baltimore Goodwill Industries</td>
<td>Baltimore</td>
<td>3.91</td>
</tr>
<tr>
<td>55</td>
<td>Briggs Chaney Plaza</td>
<td>Silver Spring</td>
<td>18.16</td>
</tr>
</tbody>
</table>

TOTAL ACREAGE: 1,355

Maryland Department of the Environment
Smart Growth and Neighborhood Conservation

May 2000
NPL Sites

During State FY 2000, the NPL Superfund Section provided regulatory and technical oversight at 8 private sector NPL sites. It is anticipated that the construction phase of the remedial action at several of these sites will be completed during State FY 2001. Construction work at the Woodlawn Landfill in Cecil County, Bush Valley Landfill in Harford County, and the Southern Maryland Wood Treating site in St. Mary’s County should be completed during State FY 2001. During FY 2001, the Section will focus much of their efforts on the remaining active NPL sites which are the Kane and Lombard site, the Maryland Sand, Gravel and Stone site, the Spectron site, the Ordnance Products site, and the Central Chemical site. The Section receives financial support, through a series of cooperative agreements, from the EPA to provide support agency regulatory oversight at private sector and fund lead NPL sites.
Focus On A Federal Facilities/NPL Site

Tipton Airport opens: area is nation’s quickest renovated ‘Superfund’ site

By Frank Diller, MDEnvironment

Opening ceremonies for Tipton Airfield, located at Fort Meade in Anne Arundel County, were held on November 1, 1999 to officially mark the removal and delisting of the 366 acre site from the national list of most hazardous waste sites known as the National Priorities List (NPL) or “Superfund” sites. Fort Meade was designated as a Superfund Site and listed on the NPL in July 1998.

U.S. Sens. Paul S. Sarbanes and Barbara Mikulski, Rep. Wayne T. Gilchrest, U.S. Environmental Protection Agency (EPA) Assistant Administrator Tim Fields, Anne Arundel County Executive Janet Owens, and Maryland Department of the Environment (MDE) Deputy Secretary Arthur Ray were among the nearly 150 who participated in the ceremonies.

The Tipton Airfield will now become a public airport managed and operated by Anne Arundel County. The Army is now in the final stages of formally transferring the former Fort Meade military airfield to the county to complete and is now recognized nationally as the months to complete and is now recognized nationally as the fastest NPL delisting of a superfund site to date. To establish this landmark record for environmental cleanup, close cooperation and partnering between MDE, EPA and the Department of the Army was necessary. The result of these efforts was the expedited restoration and cleanup of the airfield site in a safe

Federal Facilities

During State FY 2000, the Federal Facilities Section provided support, regulatory and technical oversight at 7 DOD NPL sites, 5 DOD Defense Base Closure sites, and approximately 9 other DOD sites throughout Maryland. Work at a total of 28 DOD facilities is planned during FY 2001. The Section receives financial support, through a cooperative agreement from the DOD, to provide regulatory oversight and to generally support environmental work, which is funded by the Defense Environmental Restoration Account.

Since 1995, the Section has been actively involved in “formal partnering with a number of DOD facilities in Maryland. The Section has had a very positive experience with the partnering process. The progress of environmental work at a number of Army and Navy facilities has been significantly accelerated as the result of the “partnering” process. In addition to the success at Ft. George G. Meade’s Tipton Army Airfield Base Closure site, the Section’s partnering efforts at the Naval Air Station facility at Patuxent River has significantly contributed to the Navy’s efforts to accommodate Base Realignment activities and to
beneficially reuse historically contaminated land.
Focus On A Federal Facilities Site

After 11 years, Bainbridge Naval Training Center is clean, awaits new life

By Bill Schmidt, MDEnvironment

On Feb. 14 the U.S. Navy broke ties with the Naval Training Center-Bainbridge (NTCB). That day a ceremony was held at NTCB to celebrate the transfer of the 1,185 acres of property from the Navy to the Bainbridge Development Corporation.

Since the closure of naval operations there in 1976, the installation began to deteriorate. In 1986, Congress authorized the Secretary of the Navy to dispose of the NTCB by sale to the private sector or transfer to other government agencies. Congress specified that before any transfer of the property, the Navy was required to “restore such property to a condition that meets all applicable federal and state environmental protection regulations.”

To achieve this mission, the Navy launched environmental cleanup operations at the NTCB. In this effort, the Navy worked closely with federal and state officials to meet all applicable environmental cleanup requirements. Through those years, MDE played a vital role in assuring that all necessary environmental investigations and remedial actions were completed.

Environmental Cleanup Accomplishments at NTCB:

- Demolition of 429 buildings and proper disposal of 400,000 cubic yards of demolition debris and asbestos;
- Remediation of 40,000 cubic yards of petroleum and pesticide contaminated soil at the former Fire Training Area and removal of 267 underground storage tanks;
- Remediation and capping of the Old Base Landfill and an on-site rubble landfill;
- Cleanup and off-site disposal of 149,000 tons of asbestos (transite) and lead contaminated soils, 650 tons of PCB contaminated soils, and 900 tons of heavy metals and PAH contaminated soils and debris.

By the end of 1999, the Navy had completed all required environmental cleanup actions. At its conclusion, the Navy spent in excess of $50 million dollars (well over 50 times the purchase price of the Tome portion of the property in 1942) to achieve final environmental cleanup of NTCB.
For more information about these programs or specific projects, please contact:

Karl Kalbacher  
Program Administrator  
Environmental Restoration and Redevelopment Program  
Waste Management Administration  
Maryland Department of the Environment  

410-537-3437  
KKalbacher@mde.state.md.us
Tipton Airport opens: area is nation’s quickest renovated ‘Superfund’ site  By Frank Diller
APPENDIX 1

The following list of sites corresponds to the map on page 4 titled, "State Superfund Division: 3-Step Process State Master List Sites"

### State Remedial Investigations

<table>
<thead>
<tr>
<th>County</th>
<th>MD No.</th>
<th>Site Name</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>BALTIMORE</td>
<td>MD-181</td>
<td>SAUER DUMP</td>
<td>NORTH POINT</td>
</tr>
<tr>
<td></td>
<td>MD-297</td>
<td>BAUER FARM</td>
<td>EDGEMERE</td>
</tr>
<tr>
<td>CECIL</td>
<td>MD-254</td>
<td>IRON HILL ROAD DRUM SITE</td>
<td>ELKTON</td>
</tr>
<tr>
<td>FREDERICK</td>
<td>NONE</td>
<td>THURMONT WELL #7</td>
<td>THURMONT</td>
</tr>
<tr>
<td>PRINCE GEORGE'S</td>
<td>MD-171</td>
<td>OLD FORT ROAD SITE</td>
<td>FORT WASHINGTON</td>
</tr>
<tr>
<td></td>
<td>MD-182</td>
<td>CONTEE SAND &amp; GRAVEL</td>
<td>BELTSVILLE</td>
</tr>
<tr>
<td>WORCESTER</td>
<td>MD-083</td>
<td>BISHOP PROCESSING CO</td>
<td>BISHOP</td>
</tr>
</tbody>
</table>

### Site Surveys Conducted 1999-2000

<table>
<thead>
<tr>
<th>County</th>
<th>MD No.</th>
<th>Site Name</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALLEGANY</td>
<td>MD-003</td>
<td>CABIN RUN LANDFILL</td>
<td>FROSTBURG</td>
</tr>
<tr>
<td></td>
<td>MD-004</td>
<td>HOFFMAN LANDFILL</td>
<td>FROSTBURG</td>
</tr>
<tr>
<td></td>
<td>MD-005</td>
<td>VALE SUMMIT LANDFILL</td>
<td>FROSTBURG</td>
</tr>
<tr>
<td></td>
<td>MD-197</td>
<td>FROSTBURG GAS LIGHT CO</td>
<td>FROSTBURG</td>
</tr>
<tr>
<td></td>
<td>MD-339</td>
<td>PRECISE METALS AND</td>
<td>CUMBERLAND</td>
</tr>
<tr>
<td>ANNE ARUNDEL</td>
<td>MD-073</td>
<td>JOY RECLAMATION CO</td>
<td>GLEN BURNIE</td>
</tr>
<tr>
<td></td>
<td>MD-081</td>
<td>MIDDLETOWN ROAD DUMP</td>
<td>ANNAPOLIS</td>
</tr>
<tr>
<td></td>
<td>MD-192</td>
<td>WOODS ROAD SITE</td>
<td>ANNAPOLIS</td>
</tr>
<tr>
<td></td>
<td>MD-201</td>
<td>SNOW HILL LANE SITE</td>
<td>BROOKLYN</td>
</tr>
<tr>
<td></td>
<td>MD-204</td>
<td>DAVID TAYLOR/ANNAPOLIS</td>
<td>ANNAPOLIS</td>
</tr>
<tr>
<td></td>
<td>MD-205</td>
<td>DAVIDSONVILLE - LAUNCH</td>
<td>DAVIDSONVILLE</td>
</tr>
<tr>
<td></td>
<td>MD-206</td>
<td>DAVIDSONVILLE - CONTROL</td>
<td>DAVIDSONVILLE</td>
</tr>
<tr>
<td></td>
<td>MD-408</td>
<td>DRUM CO DRUM DUMP</td>
<td>BROOKLYN</td>
</tr>
<tr>
<td></td>
<td>MD-452</td>
<td>A S PEARMON</td>
<td>ARNOLD</td>
</tr>
<tr>
<td>BALTIMORE CITY</td>
<td>MD-014</td>
<td>OLIN CORP CURTIS BAY</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-019</td>
<td>BROWNING FERRIS IND</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-020</td>
<td>REEDBIRD LANDFILL</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-021</td>
<td>KOPPERS CO BALTIMORE</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-055</td>
<td>PEMCO CORP</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-092</td>
<td>MONUMENT ST LANDFILL</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-105</td>
<td>AMOCO OIL CO</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-106</td>
<td>ARMCO BALTIMORE WKS</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-109</td>
<td>CONOCO CHEMICAL CO</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-110</td>
<td>CONOCO INC BALTIMORE</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-112</td>
<td>CROWN CENTRAL</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-113</td>
<td>CROWN CENTRAL</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-114</td>
<td>ESTECH GENERAL CHEM</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-118</td>
<td>M &amp; T CHEM INC</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-119</td>
<td>MRI CORPORATION</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-131</td>
<td>TEXACO INC</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-140</td>
<td>ANCHOR HOCKING CORP</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-143</td>
<td>CHEVRON USA/ BALTIMORE</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-154</td>
<td>BOWLEY'S LANE LANDFILL</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td></td>
<td>MD-233</td>
<td>HIGHLAND TOWN GAS</td>
<td>BALTIMORE</td>
</tr>
<tr>
<td>MD-244</td>
<td>SMITH F BOWIE &amp; SON INC</td>
<td>BALTIMORE</td>
<td></td>
</tr>
<tr>
<td>MD-312</td>
<td>STIEGAL SUPPLY &amp;</td>
<td>BALTIMORE</td>
<td></td>
</tr>
<tr>
<td>MD-431</td>
<td>KOPPER CO INC - METAL</td>
<td>BALTIMORE</td>
<td></td>
</tr>
<tr>
<td>MD-069</td>
<td>BALTIMORE GALVANIZING</td>
<td>ROSEDALE</td>
<td></td>
</tr>
<tr>
<td>MD-080</td>
<td>SMUCK DUMP</td>
<td>HALETHORPE</td>
<td></td>
</tr>
<tr>
<td>MD-157</td>
<td>U S ARMY PHOENIX -</td>
<td>JACKSONVILLE</td>
<td></td>
</tr>
<tr>
<td>MD-172</td>
<td>MARTIN MARIETTA CORP</td>
<td>RELAY</td>
<td></td>
</tr>
<tr>
<td>MD-175</td>
<td>BATAVIA LANDFILL</td>
<td>ROSEDALE</td>
<td></td>
</tr>
<tr>
<td>MD-181</td>
<td>SAUER DUMP</td>
<td>NORTH POINT</td>
<td></td>
</tr>
<tr>
<td>MD-280</td>
<td>J AND L INDUSTRIES INC</td>
<td>CHASE</td>
<td></td>
</tr>
<tr>
<td>MD-297</td>
<td>BAUER FARM</td>
<td>EDGEMERE</td>
<td></td>
</tr>
<tr>
<td>MD-304</td>
<td>MARTIN'S STATE AIRPORT</td>
<td>MIDDLE RIVER</td>
<td></td>
</tr>
<tr>
<td>MD-316</td>
<td>GIBSON HOMANS</td>
<td>ROSEDALE</td>
<td></td>
</tr>
<tr>
<td>MD-380</td>
<td>CUTRONICS</td>
<td>TIMONIUM</td>
<td></td>
</tr>
<tr>
<td>MD-463</td>
<td>NATIONAL CIRCUITS INC -</td>
<td>TOWSON</td>
<td></td>
</tr>
<tr>
<td>MD-464</td>
<td>NATIONAL CIRCUITS INC -</td>
<td>TIMONIUM</td>
<td></td>
</tr>
<tr>
<td>MD-471</td>
<td>MORGAN STATE</td>
<td>BALTIMORE</td>
<td></td>
</tr>
<tr>
<td>MD-240</td>
<td>RELIANCE WOOD</td>
<td>FEDERALSBURG</td>
<td></td>
</tr>
<tr>
<td>MD-438</td>
<td>OLD WEST DENTON DUMP</td>
<td>DENTON</td>
<td></td>
</tr>
<tr>
<td>MD-167</td>
<td>POWRMATIC INC</td>
<td>FINKSBURG</td>
<td></td>
</tr>
<tr>
<td>MD-190</td>
<td>CRANBERRY RUN SUB</td>
<td>WESTMINSTER</td>
<td></td>
</tr>
<tr>
<td>MD-307</td>
<td>WOLF HILL</td>
<td>HAMPSTEAD</td>
<td></td>
</tr>
<tr>
<td>MD-332</td>
<td>MIL SPEC FASTENERS</td>
<td>HAMPSTEAD</td>
<td></td>
</tr>
<tr>
<td>MD-333</td>
<td>BACHMANS VALLEY</td>
<td>MANCHESTER</td>
<td></td>
</tr>
<tr>
<td>MD-345</td>
<td>3M NATIONAL ADVER -</td>
<td>WESTMINSTER</td>
<td></td>
</tr>
<tr>
<td>MD-371</td>
<td>LANG'S JUNKYARD</td>
<td>HAMPSTEAD</td>
<td></td>
</tr>
<tr>
<td>MD-467</td>
<td>BACHMAN VALLEY</td>
<td>MANCHESTER</td>
<td></td>
</tr>
<tr>
<td>MD-074</td>
<td>OLD ELKTON DUMP</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-099</td>
<td>STAUFTER CHEM CO</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-137</td>
<td>MONTGOMERY BROTHERS</td>
<td>NORTHEAST</td>
<td></td>
</tr>
<tr>
<td>MD-189</td>
<td>MALMO FARMS</td>
<td>CHESAPEAKE CITY</td>
<td></td>
</tr>
<tr>
<td>MD-254</td>
<td>IRON HILL ROAD DRUM SITE</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-259</td>
<td>LOUISA LANE DUMPSITE</td>
<td>CHARLESTOWN</td>
<td></td>
</tr>
<tr>
<td>MD-313</td>
<td>DWYER PROPERTY</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-314</td>
<td>CROUSE BROTHERS</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-318</td>
<td>CHILD'S PROPERTY</td>
<td>CHILD'S</td>
<td></td>
</tr>
<tr>
<td>MD-325</td>
<td>CENTRAL CHEMICAL</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-366</td>
<td>VICON PROPERTY</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-369</td>
<td>REEVES SITE</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-372</td>
<td>IP INC</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-385</td>
<td>BIG ELK CHAPEL ROAD</td>
<td>PROVENCE</td>
<td></td>
</tr>
<tr>
<td>MD-433</td>
<td>ELKTON FARM</td>
<td>ELKTON</td>
<td></td>
</tr>
<tr>
<td>MD-451</td>
<td>STEMMERS RUN</td>
<td>EARLEVILLE</td>
<td></td>
</tr>
<tr>
<td>MD-261</td>
<td>CHARLES COUNTY</td>
<td>PISGAH</td>
<td></td>
</tr>
<tr>
<td>MD-025</td>
<td>CAMBRIDGE SITE</td>
<td>CAMBRIDGE</td>
<td></td>
</tr>
<tr>
<td>MD-356</td>
<td>FREDERICK TOOL AND DIE</td>
<td>FREDERICK</td>
<td></td>
</tr>
<tr>
<td>MD-239</td>
<td>WOOD PRODUCTS</td>
<td>OAKLAND</td>
<td></td>
</tr>
<tr>
<td>MD-441</td>
<td>UMBELL PROPERTY</td>
<td>FRIENDSVILLE</td>
<td></td>
</tr>
<tr>
<td>MD-001</td>
<td>ABERDEEN DUMP</td>
<td>ABERDEEN</td>
<td></td>
</tr>
<tr>
<td>MD-037</td>
<td>HAVRE DE GRACE DUMP</td>
<td>HAVRE DE GRACE</td>
<td></td>
</tr>
<tr>
<td>MD-038</td>
<td>MULLINS LANDFILL</td>
<td>HAVRE DE GRACE</td>
<td></td>
</tr>
<tr>
<td>MD-162</td>
<td>HAVRE DE GRACE PLANT</td>
<td>HAVRE DE GRACE</td>
<td></td>
</tr>
<tr>
<td>MD-301</td>
<td>ABINGDON LANDFILL</td>
<td>ABINGDON</td>
<td></td>
</tr>
<tr>
<td>MD-363</td>
<td>LONGS SEPTIC</td>
<td>HAVRE DE GRACE</td>
<td></td>
</tr>
<tr>
<td>MD-262</td>
<td>SCOVIDITCH PROPERTY</td>
<td>LAUREL</td>
<td></td>
</tr>
<tr>
<td>MD-305</td>
<td>CEMETARY LANE</td>
<td>ELKIRIDGE</td>
<td></td>
</tr>
<tr>
<td>MD-326</td>
<td>WESTVACO CORPORATION</td>
<td>LAUREL</td>
<td></td>
</tr>
<tr>
<td>MD-373</td>
<td>TATE ACCESS FLOORS INC</td>
<td>JESSUP</td>
<td></td>
</tr>
<tr>
<td>MD-465</td>
<td>MAYFIELD REPAIR FACILITY</td>
<td>ELKIRIDGE</td>
<td></td>
</tr>
<tr>
<td>MD-029</td>
<td>CHESTERTOWN MUN DUMP</td>
<td>CHESTERTOWN</td>
<td></td>
</tr>
<tr>
<td>MD</td>
<td>Name</td>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------------</td>
<td>----------------</td>
<td></td>
</tr>
<tr>
<td>138</td>
<td>Laurence J Nicholson</td>
<td>Chestertown</td>
<td></td>
</tr>
<tr>
<td>198</td>
<td>Chestertown Gas Co</td>
<td>Chestertown</td>
<td></td>
</tr>
<tr>
<td>144</td>
<td>Maryland Wood</td>
<td>Rockville</td>
<td></td>
</tr>
<tr>
<td>306</td>
<td>Kenneth Shumaker Dump</td>
<td>Barnesville</td>
<td></td>
</tr>
<tr>
<td>360</td>
<td>Vectrol Inc</td>
<td>Rockville</td>
<td></td>
</tr>
<tr>
<td>361</td>
<td>Microdyne Corp</td>
<td>Rockville</td>
<td></td>
</tr>
<tr>
<td>024</td>
<td>Anacostia River Park</td>
<td>Bladensburg</td>
<td></td>
</tr>
<tr>
<td>040</td>
<td>Koppers Co Dumpsite</td>
<td>Laurel</td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>Capitol Wire &amp; Fence</td>
<td>Hyattsville</td>
<td></td>
</tr>
<tr>
<td>171</td>
<td>Old Fort Road Site</td>
<td>Fort Washington</td>
<td></td>
</tr>
<tr>
<td>182</td>
<td>Contee Sand &amp; Gravel</td>
<td>Beltsville</td>
<td></td>
</tr>
<tr>
<td>183</td>
<td>Laurel City Landfill</td>
<td>Laurel</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>Hyattsville Gas &amp;</td>
<td>Edmonston</td>
<td></td>
</tr>
<tr>
<td>248</td>
<td>United Rigging &amp; Hauling</td>
<td>Beltsville</td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>Columbia Park Drum Site</td>
<td>Columbia Park</td>
<td></td>
</tr>
<tr>
<td>291</td>
<td>J L Clark Mfg Co Stone</td>
<td>College Park</td>
<td></td>
</tr>
<tr>
<td>295</td>
<td>Celia Lust</td>
<td>Beltsville</td>
<td></td>
</tr>
<tr>
<td>311</td>
<td>London Hills</td>
<td>Capitol Heights</td>
<td></td>
</tr>
<tr>
<td>355</td>
<td>Nelson Perrie Dump</td>
<td>Bald Eagle</td>
<td></td>
</tr>
<tr>
<td>470</td>
<td>Paint Brush LF Area #3</td>
<td>College Park</td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>Crisfield City Dump</td>
<td>Crisfield</td>
<td></td>
</tr>
<tr>
<td>129</td>
<td>Ring Landfill</td>
<td>Westover</td>
<td></td>
</tr>
<tr>
<td>130</td>
<td>Westover Landfill</td>
<td>Westover</td>
<td></td>
</tr>
<tr>
<td>193</td>
<td>Crisfield Light &amp; Power</td>
<td>Crisfield</td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>Thiokol Corp</td>
<td>Mechanicsville</td>
<td></td>
</tr>
<tr>
<td>185</td>
<td>California Drum Site</td>
<td>California</td>
<td></td>
</tr>
<tr>
<td>252</td>
<td>St Mary's Salvage</td>
<td>Hollywood</td>
<td></td>
</tr>
<tr>
<td>125</td>
<td>Noble Motor Rebuilders</td>
<td>Easton</td>
<td></td>
</tr>
<tr>
<td>036</td>
<td>Koppers Co</td>
<td>Hagerstown</td>
<td></td>
</tr>
<tr>
<td>194</td>
<td>Hagerstown - American</td>
<td>Hagerstown</td>
<td></td>
</tr>
<tr>
<td>329</td>
<td>Newell Enterprises Inc</td>
<td>Hagerstown</td>
<td></td>
</tr>
<tr>
<td>418</td>
<td>West Manufacturing</td>
<td>Hagerstown</td>
<td></td>
</tr>
<tr>
<td>475</td>
<td>Franklin Spickler</td>
<td>Maugansville</td>
<td></td>
</tr>
<tr>
<td>093</td>
<td>Chevron Chem Co</td>
<td>Salisbury</td>
<td></td>
</tr>
<tr>
<td>275</td>
<td>Dresser Industries</td>
<td>Salisbury</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td>Blackwater Solid</td>
<td>Salisbury</td>
<td></td>
</tr>
<tr>
<td>327</td>
<td>Salisbury Marketing Inc</td>
<td>Salisbury</td>
<td></td>
</tr>
<tr>
<td>083</td>
<td>Bishop Processing Co</td>
<td>Bishop</td>
<td></td>
</tr>
</tbody>
</table>
Appendix 2

Voluntary Cleanup Program Information Document

Karl Kalbacher, Administrator
Environmental Restoration and Redevelopment Program

May 12, 2000
VCP MILESTONES

FEB 1997
- EPA-MDE VCP MOA signed 2/97

FEB 1998
- First No Further Requirements letter issued 9/97
- Total # of No Further Requirements letters issued as of May 2000: 23
- 500 acres in VCP 3/98

FEB 1999
- Administrative Reforms 10/98
- 1,000 acres in VCP 3/99
- First Certificate of Completion issued 8/98
- Total # of Certificates of Completion issued as of May 2000: 4

FEB 2000
- 1,237 acres in VCP 3/00

Maryland Department of the Environment
Smart Growth and Neighborhood Conservation
Voluntary Cleanup Program

Distribution of Acreage Across Maryland

- Eastern Shore: 26%
- Southern Maryland: 2%
- Baltimore City: 18%
- Western Maryland: 19%
- Central Maryland: 35%
Voluntary Cleanup Program

Sites for which Applications have been received: 57

Sites Accepted: 44
  - Sites Pending: 11
  - Sites Withdrown: 2
  - RAPs Approved or Pending: 20
  - Sites Completed: 27
Voluntary Cleanup Program

Distribution of VCP Sites Across Maryland

- Baltimore City: 38% (19 sites)
- Southern Maryland: 7% (4 sites)
- Eastern Shore: 4% (2 sites)
- Western Maryland: 7% (4 sites)
- Central Maryland: 44% (22 sites)
NEXT STEPS

- DEVELOP soil and groundwater cleanup standards
- INCREASE marketing and outreach
- PILOT MDE funding ($150K) for environmental assessments at VCP sites
- EXPAND use of field screening sample testing technologies
- ADDITIONAL toxicologist