

**ALABAMA HAZARDOUS SUBSTANCE
CLEANUP FUND**

2005 ANNUAL REPORT



**Land Division
Environmental Assessment Section
January 2006**

2005 Response Activities

➤ **AHSCF General Management**

Initial investigation of complaints prior to assigning site numbers, administrative support, and field sampling and safety supplies.

➤ **Cahaba Wood Preserving**

Provided assistance for a file review performed by an interested party.

➤ **Southern Tree Experts**

Final AHSCF activity to ensure settlement agreement parameters were met and completed.

➤ **McCullough Oil Recycler**

Sampling of waste oil tanks and drums by EPA contractor with ADEM oversight.

➤ **Coliseum Boulevard Plume**

Continuing groundwater investigation for TCE in the area of Probe Hole 12.

➤ **Montgomery Pilot Brownfield**

Initial work in regard to groundwater sampling, soil sampling, surface water sampling, and report compilation.

➤ **City of Guin**

Preparation of sampling plans and Quality Assurance Project Plans for a possible Brownfield project.

➤ **Sylacauga Brownfield**

Initial work in regard to groundwater sampling, soil sampling, surface water sampling, and report compilation and processing.

➤ **Munsingwear**

Initial work in regard to preparation of sampling plans, Quality Assurance Project Plans, mobilization and sampling of groundwater, surface water, and soils.

- **Chilton County Road 800, Drum Site**
Investigation, consolidation, staging, and appropriate disposal of drums containing waste oil with high water content.
- **J & C Truck Driving School Drum Site**
Investigation of a complaint regarding buried drums at a site near Phenix City.
- **Speedway Quarry, Eastaboga**
Investigation of a report of buried drums in tailings pile at the Speedway Quarry near Eastaboga, AL.
- **Bessemer Petroleum**
Initial investigation of abandoned petroleum distributor site in Bessemer, AL.
- **Lake Martin Drum**
Investigation and disposal of an abandoned drum discovered floating in Lake Martin near Dadeville, AL.
- **Performance Advantage**
Further cleanup and stabilization activities of spill areas around tanks and contaminated soils.

Enforcement, Expenditures and Cost Recovery

The recovery of cleanup and remediation cost for a site from the potentially responsible party (PRP) is a major part of the Alabama Hazardous Substance Cleanup Fund (AHSCF). Response actions at hazardous substance sites may be conducted by the PRP with oversight by ADEM. However, if a PRP is unwilling or unable to conduct a cleanup, funds from the AHSCF may be used and cost recovery and punitive damages may be pursued after the cleanup is complete. In fiscal year 2005, cost recovery efforts from PRPs totaled \$108,813. Total expenditures from the AHSCF were \$97,559 from October 1, 2004 through September 30, 2005.

About the Alabama Hazardous Substance Cleanup Fund

The Alabama Hazardous Substance Cleanup Fund (AHSCF) was established in 1989 by the Alabama Legislature to provide a mechanism for ADEM to investigate, remediate, and monitor hazardous substance sites. These sites may be an endangerment to human health and the environment, but may not qualify to be addressed by another federal or state cleanup program.

Generally, sites addressed utilizing AHSCF funds either are not qualified for, or are unlikely to receive cleanup funding under the federal Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, commonly referred to as “Superfund”. Funding may also be used for long term maintenance and monitoring of sites which have historically been addressed under CERCLA. Since the inception of the AHSCF, approximately 300 sites have been addressed, with almost 275 sites remediated to a point where no further action is warranted.

Funding for the AHSCF activities is generated by legislative appropriations, fees from hazardous waste disposal at the Emelle hazardous waste landfill, and reimbursements from potentially responsible parties (PRPs). For fiscal year 2005, legislative appropriations and tax revenue were \$116,262.

Site Specific Information

AHSCF GENERAL MANAGEMENT

Reference #9000

Functions not directly accountable to a specific site are contained in this category. These include, but are not limited to, personnel and travel costs associated with conducting complaint investigations of sites that are not to be assigned a specific site number, initial complaint investigations prior to having specific site numbers assigned to a site, administrative support for the purchase and repair of equipment utilized on all sites, and field sampling equipment and safety supplies. General administrative functions associated with research and clerical support are encompassed in this category, as are activities associated with the initial reporting of potential sites.

CAHABA WOOD PRESERVERS

Perry County

Reference #9167

This was a former small, family owned creosote pole operation located along Highway 14 near Sprott, Alabama. The AHSCF provided clean up assistance at the site in 1996. Additional work was performed by the staff this year in response to a request for information by a prospective purchaser.

SOUTHERN TREE EXPERTS SITE

Jefferson County

Reference # 9241

The Southern Tree Experts Company site is located at 340 Industrial Lane in Birmingham, Alabama. The site was a previous tree surgery facility and also repaired lawn equipment and trucks on site. The facility had received a Notice of Violation and a subsequent Draft Administrative Order from the Land Division for violations of the hazardous waste regulations. The business went bankrupt and there was no responsible party to perform a cleanup of the site. In 1998, ADEM again inspected the bankrupt facility and worked with a purchaser of the property to dispose of drums left on site and to conduct additional groundwater monitoring through a Settlement Agreement with ADEM under the AHSCF.

The Settlement Agreement between ADEM and the bank holding the mortgage was initiated in 1999 for the cleanup of the drum storage area. Monitoring well installation and groundwater sampling/monitoring was performed the first year quarterly, the second year semi-annually, and then one event the last year, as per the requirements of the Settlement Agreement. At the conclusion of the required monitoring and after reimbursement of oversight costs to ADEM during this past year, it was determined that the requirements of the Settlement Agreement had been complied with and completed. This resulted in the issuance of a No Further Remedial Action Planned letter to the bank in regard to the AHSCF program in 2005.

After further review of the site and after discussions with ADEM, First Commerce (BANC Partners) entered the site into the State Voluntary Cleanup Program (VCP) to assess and address possible contamination at other areas of concern on the property. Participation in the VCP and the assessment and remediation of the rest of the site will allow ADEM to issue a “Letter of Concurrence” once site activities have been completed. This will demonstrate that the area has met the EPA cleanup values and the future owners of the property will have environmental liability protection. This should lead to the planned redevelopment of the site and return it to productive use in the near future.

MCCULLOUGH OIL RECYCLER

Chilton County

Reference #9257

The McCullough Oil Recycler site is located at 145 County Road 523, in Chilton County, approximately 4.5 miles east of Verbena, Alabama. The



HAZ Mat Team Sampling Drums, McCullough Oil, Chilton County

owner and operator of the used oil recycling business died unexpectedly in an automobile accident in 1999. Currently, the County holds the lien on the property due to unpaid property taxes. ADEM personnel met with personnel from the US EPA and performed reassessment of the site. A Hazardous Materials team supplied by the EPA sampled all the drums and tanks on site during the summer of 2005. ADEM personnel provided oversight of the sampling. Further action at the site under the AHSCF or federal program is being contemplated and negotiations between the EPA and the lien holder are in progress.

COLISEUM BOULEVARD PLUME

Montgomery County

Reference # 9273

The Coliseum Boulevard Plume (CBP) site, which encompasses 682 acres in north Montgomery, has experienced underlying groundwater contamination resulting from historical solvent use by local commercial and industrial facilities. The site is bounded by Lower Wetumpka Road to the west, Emory Folmar Boulevard to the east, Northern Boulevard to the North, and CSX Railroad to the south. The contaminant of concern is trichloroethylene (TCE) and the related compounds resulting from its degradation. The impacted groundwater is at a depth of 25 to 45 feet and was found to be entering a surface water ditch.

The CBP has been divided into four major study areas: Kilby Ditch, Probehole 12 Area (PH-12), Low-Lying Areas, and Site-Wide Area.

During the past year, most of the efforts were spent on the Probe Hole 12 (PH-12) Area. Additional investigation was performed in the PH-12 Area to assess the potential presence of dense non-aqueous phase liquid (DNAPL) and to update the PH-12 Area contaminant fate and transport model. This investigation included soil borings, vertical characterization using membrane interface probe (MIP) and soil conductivity probes (SC), stratigraphic profiling using cone penetrometer testing (CPT), soil sampling and groundwater sampling. The results were used to evaluate the transport of TCE in the PH-12 Area. A document titled "Probehole 12 Area Status Report in Support of Corrective Measures Development" was submitted to ADEM in October 2005.

Also, Alabama Department of Transportation continues to conduct monitoring for TCE in surface water emanating from the west and main branches of the Kilby ditch. Finally, the Community Outreach Group continues to meet on a regular basis. Two new members were added this year.

MONTGOMERY PILOT BROWNFIELD

Montgomery County

Reference #9295

The City of Montgomery initiated a downtown riverfront redevelopment program to revitalize the downtown Montgomery area. Plans for this revitalization include parks, river walks, dwelling units, office space, music venues, sports facilities, retail space, restaurants, and other attractions and businesses. The first phase of this development began with the construction of a riverfront amphitheater (performance stage), pergola, and children's area.

The City administration is concerned with the appearance of the sites and the potential for the sites to directly impact local residents and tourists by direct contact with potentially contaminated surface soils. To help identify these concerns, the City of Montgomery obtained a Pilot Brownfield Grant from the EPA. Brownfield assessments are performed at sites where there is a real or perceived threat that previous activity at a site may have left behind industrial materials that could pose a problem for reuse of the site. This baseline environmental assessment provides the data needed to plan for redevelopment of this area. The City entered into a Memorandum of Understanding with ADEM to have the Department perform the property assessments of proposed redevelopment sites. This site was initiated prior to the establishment of new funding tracking codes. As a result, this site was and continues to be tracked utilizing the AHSCF fund code.



**Groundwater Sampling Utilizing Manual Bladder Pump
Montgomery Brownfield, Montgomery, AL**

In the first quarter of FY2005, ADEM's Environmental Assessment Section received results from laboratory analysis of samples collected on this project. In the second quarter, ADEM technical staff reviewed, interpreted, and compiled the data into narrative and graphic reports including, maps, figures, illustrations, and attachments. A first draft of four Pilot Brownfield Assessment Reports was completed. Four separate reports were drafted because the Montgomery Pilot Brownfield Project encompassed properties owned by four different entities. In the third quarter, the drafts of the four reports were reviewed for accuracy and quality. Final drafts of all four reports were approved by senior technical staff in ADEM's Environmental Assessment Section. These reports were completed and assembled on April 28, 2005. Mayor Bobby Bright and city officials attended a meeting at ADEM's Main Building in Montgomery, Alabama on May 4, 2005. At this meeting, the City was presented with a presentation of the findings of the assessment and the completed reports.

CITY OF GUIN
Marion County
Reference #9312

The City of Guin initially had three sites which were proposed as possible Brownfield assessments. Prior to the establishment of Brownfield tracking codes, these assessments were tracked utilizing AHSCF codes. Additionally, initial site visits, reconnaissance, and background work was charged to the site. This site number was initially set up for the 3 M Company site. Preliminary work for these sites entailed visiting the sites, initial development of Quality Assurance Project Plans and Sampling Plans. This site was withdrawn by the city as a Brownfield assessment and no further action is contemplated at this time under the AHSCF or Brownfield programs.

SYLACAUGA BROWNFIELD
Talladega County
Reference #9323

The City of Sylacauga owns 12.5 acres of property located at the corner of Highway 148 and Taft Brown Road. This area was utilized as a municipal landfill from 1969-1974. Today, the Sylacauga Utilities Board operates a water pump station on the southeastern corner of the site. Also, the City of Sylacauga operates a chip mill in the extreme northern and northeastern portion of this site. The remainder of the site is undeveloped and covered with dense vegetation. This site was selected for a targeted Brownfield assessment. Prior to the establishment of Brownfield tracking codes, these assessments were tracked utilizing AHSCF codes. Additionally, initial site

visits, reconnaissance, and background work was charged to the site. Brownfield assessments are performed at sites where there is a real or perceived threat that previous activity at a site may have left behind industrial materials that could pose a problem for reuse of the site. This baseline environmental assessment provides the data needed to plan for redevelopment of the area.



Field Decontamination of Groundwater Sampling Equipment

In FY05, ADEM's Environmental Assessment Section received results from laboratory analysis of samples collected on this project. ADEM technical staff reviewed, interpreted, and compiled the data into narrative and graphic reports including, maps, figures, illustrations, and attachments. A first draft of the Brownfield Assessment Report is complete. At this time, the draft of the report is being reviewed for accuracy and quality. The final draft of the report will be approved by senior technical staff in ADEM's Environmental Assessment Section. Upon approval, this report will be assembled and submitted and this project will be finalized.

MUNSINGWEAR Marion County Reference # 9345

Munsingwear, a former textile and athletic wear manufacturing facility, is located at 580 14th Street North, Guin, Alabama. Field work performed at the site this year

included groundwater, surface water, and soil pathways investigations and sampling. ADEM personnel generated Quality Assurance Project Plans, Sampling Plans, and then mobilized to the site to implement those plans. Initial response and planning for the site was performed under the AHSCF.

Groundwater investigations included installing three temporary groundwater monitoring wells to check groundwater flow directions, obtain soil boring samples, and to obtain groundwater samples for analysis for potential contaminants. Analysis was performed on the samples, data compiled and finalized in the assessment report.



Monitoring Well #1 Installation At Munsingwear, Guin, AL

Surface water sampling was conducted along the drainage pathway from the site. Six sampling locations were utilized in investigating the surface water drainage pathway in order to ascertain if any contaminants from this facility were running off site with storm water drainage. Both surface water samples and where possible, sediment samples were taken at these six locations.

Soil sampling included the soil borings from the temporary monitoring wells, in situ XRay Florescence (XRF) screening, as well as laboratory confirmation sampling. Approximately 18 XRF readings and 9 soil boring samples were taken on site with 10 percent being sent to the ADEM Laboratory for confirmation analysis. Compilation of sampling data and completion of the report has been accomplished and no further action is presently planned for this site.

COUNTY ROAD 800, DRUM SITE

Chilton County

Reference #9346

ADEM was notified by the Chilton County Emergency Management Agency of five (5) abandoned drums located approximately 0.1 mile north of the intersection of



Abandoned Drums, County Road 800, Chilton County

County Road 800 and County Road 149. ADEM personnel responded to the complaint, screened the drums for polychlorinated biphenyls (PCBs), and consolidated the materials into two (2) drums. The drums were transported to a staging area where samples were taken from each drum and submitted to the ADEM Central Laboratory for analysis and characterization. Samples were analyzed for flashpoint, metals, VOCs, and PCBs. The materials were found to be waste oils with high water content. Appropriate disposal of the materials was contracted. An approved hazardous waste transporter came to ADEM where the consolidated drums were staged. The drums and materials were then transported and disposed appropriately at a fuel blending operation. No further action is required for this site.

J & C TRUCK DRIVING SCHOOL DRUM SITE

Russell County

Reference #9363

ADEM received a complaint concerning buried drums from an individual who is leasing property at the C & J Truck Driver Training School near Phenix City, Alabama. The individual operates a heavy equipment training center on approximately 10 – 15 acres leased from C & J. During the instruction of one of their students on the operations of a track hoe, the student excavated what appeared to be a

55-gallon drum of used/waste oil from approximately 10 – 15 feet underground. The drum was damaged during the excavation exercise and leaked into the hole. The drum and remaining liquid was staged in a secure area away from training exercises, the pit was covered over, and the operator notified ADEM of the incident. ADEM personnel responded to the site, located at 5018 Highway 80 West, near Phenix City, Alabama. Using a magnetometer, an approximate 75 ft x 75 ft grid was investigated



Area Where Drum was Excavated by Student at J & C Site, Phenix City, Alabama

with the location of the discovered drum at its center. Three additional readings of possible buried drums were noted and locational data were collected by GPS. Investigators then ran a Chlor-N-Soil screening kit on soils where the drum had leaked. Results of the screening kit indicated PCBs above 50 ppm. This site has been referred to the Industrial Hazardous Waste Branch for future action under Toxic Substances Control Act of 1976 in reference the to possible PCB contamination.

**SPEEDWAY QUARRY – EASTABOGA
Talladega County
Reference #9365**

This site is the Speedway Quarry located at 7575 Eastaboga Road, Eastaboga, Talladega County, Alabama. ADEM personnel received an anonymous complaint that approximately 30 barrels of waste oil, oily rags, and other petroleum wastes were buried in the quarry mud dump and spoil pile several years ago. ADEM personnel responded to the site to investigate the allegations.

After talking with the quarry supervisor, it was determined that two years ago the company had approximately 10 empty drums that they wanted to have disposed. At that time, the foreman had them run over with a bulldozer to crush them and they were then placed in the area of the spoil pile and buried. This was a new area where they were placing their mud and spoil from the quarry and it was at natural occurring ground level at that time (now approximately 40 feet below the lowest lift of the spoil pile). Quarry workers tried to help locate the area where they thought the crushed drums were buried.

ADEM investigators attempted to locate metal objects in the pile utilizing a magnetometer in and around the area identified as the possible location of the crushed drums. Only intermittent readings were obtained. Due to the depth of burial, magnetometer readings may not have even registered for the drums. A visual inspection of the spoil pile revealed no stressed vegetation or other identifiable problems. No further action is planned at this site unless more information becomes available.

BESSEMER PETROLEUM

Jefferson County

Reference #9380

The Bessemer Petroleum Site is located at 2701 8th Avenue North, Bessemer, Alabama. A now defunct bulk petroleum wholesaler, ADEM personnel responded to the site to investigate possible ongoing discharge of petroleum products from the site and to investigate site conditions. ADEM personnel met with personnel from the Bessemer Fire Department, the Bessemer Police Department, and other municipal representatives. ADEM personnel observed conditions of the tanks, condition of the fence, the condition of the buildings, drains, etc. Standing oil was observed in the drain at the northeast corner of the facility. An area of new gravel mixed with Oil Dry, covering up run off of petroleum materials from the site and into the storm water drain located at the corner of 8th Avenue and 28th Street was also observed.

A thorough check of all tanks on site indicated that most of the product in each tank was pumped out prior to the owners abandoning the site. Those tanks which investigators were able to open did show a reflection indicating residual materials. The underground oil/water separator had open lids allowing rainwater to enter the tank. There was approximately 3 feet of sludge in the bottom of the oil/water separator with 2 – 3 feet of water and a thin layer of oil.

Further investigation of the site has been forwarded to other Federal programs, specifically the Oil Pollution Control Act and the EPA for further actions. No further action under the AHSCF is warranted for this site.

DADEVILLE/LAKE MARTIN DRUM

Tallapoosa County

Reference #9382

ADEM received a complaint from the Tallapoosa County EMA that an abandoned drum had been found in one of the backwaters of Lake Martin near Dadeville, Alabama. County personnel removed the drum from the lake and staged it at the County Maintenance Shop after notifying ADEM. Investigators from the Department responded to the site to examine the drum and its contents. Upon opening the drum and obtaining a sample, it was found that the drum contained silty lake water and was probably a drum that had been used as a pontoon for a dock that had broken away and drifted into the lake. The contents were disposed at the waste water treatment facility and the drum was crushed and disposed at the local landfill.

PERFORMANCE ADVANTAGE

Coosa County

(managed under the Administrative fund number)

Performance Advantage is located on County Road 29 south of Weogufka in Coosa County, Alabama. The site is an abandoned oil refinery and a local resident called to complain that a couple of the tanks were leaking and discharging to the adjacent creek.

Investigators responded to the site and met with US EPA personnel. It was also observed at that time that oil that had soaked into the ground was seeping to the surface due to recent rain storms. Clean up activities performed by EPA contractors included pumping oil from the leaking tanks into one of the larger tanks. Contaminated soil was removed with a Bobcat and placed on a plastic liner and covered. Solid waste which had been dumped at this site and contaminated with oil was also placed on the liner and covered.

A plastic liner was placed underneath the larger tank and a berm was constructed around it to contain further leaks. A berm was also constructed around the smaller tank. Most of the soil where seepage occurred was removed and placed on the plastic

liner, and an absorbent material was spread over the area. This area was contained within the berm around the larger tank.

Currently, the landowners are negotiating with EPA over clean up efforts.

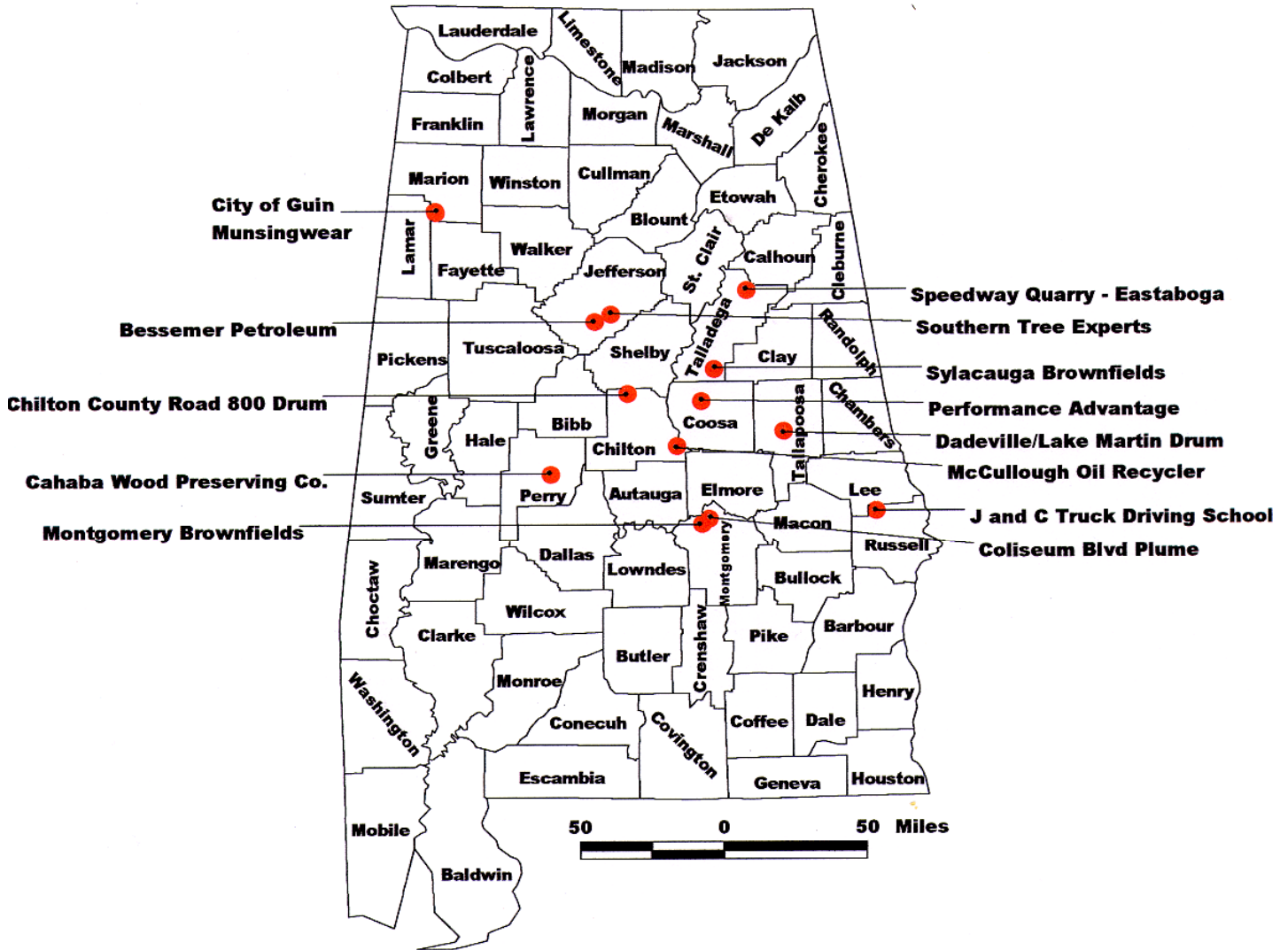
AHSCF Expenditures for 2005 are summarized below:

Site Name	Action Taken	Cost
AHSCF General Management	Administrative, clerical support, Initial Investigations, equipment	20,830.96
Cahaba Wood Preserving	File Review	42.13
Southern Tree Experts	Follow up to ensure settlement agreement parameters met and entry into the VCP	1,731.76
McCullough Oil Recycler	Sampling of drums and tanks by EPA	in admin funding
Coliseum Boulevard Plume	Groundwater investigation in area near Probe Hole 12	18,667.31
Montgomery Pilot Brownfield	Groundwater, soil, surface water sampling results and report compilation	31,544.91
City of Guin	Initial processing for Brownfield, City withdrew site for consideration	125.84
Sylacauga Brownfield	Groundwater, soil, surface water sampling results and report compilation	5,923.38
Munsingwear	Groundwater, soil, surface water sampling and data and report compilation	14,902.05
Chilton County Road 800, Drum Site	Investigation and sampling of five abandoned drums and consolidation and disposal	278
J & C Truck Driving School	Investigation of possible buried drums at heavy equipment school	28.26
Speedway Quarry - Eastaboga	Investigation of complaint of possible buried drums at the Speedway Quarry	Pending
Bessemer Petroleum	Initial investigation of spills at abandoned petroleum distributor in Bessemer	563.98
Dadeville/Lake Martin Drum	Investigation of drum found in Lake Martin	Pending
Laboratory Costs - Total	All Sites	2,920.20
Total Cost		97,558.77

Alabama Hazardous Cleanup Fund (AHSCF)

Annual Report: Fiscal Year 2005

Site Location Map



Program no	Site no	Site name
348	9000	Performance Advantage
348	9167	Cahaba Wood Preserving Co.
348	9241	Southern Tree Experts
348	9257	McCullough Oil Recycler
348	9273	Coliseum Blvd Plume
348	9295	Montgomery Brownfields
348	9312	City of Guin
348	9323	Sylacauga Brownfields
348	9345	Munsingwear
348	9346	Chilton County Road 800 Drum
348	9363	J and C Truck Driving School
348	9365	Speedway Quarry - Eastaboga
348	9380	Bessemer Petroleum
348	9382	Dadeville/Lake Martin Drum

