

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
BROWNFIELDS QUARTERLY PROGRESS REPORT
SEPTEMBER – DECEMBER 2006**

Project Title: FY 2007 – Cuyahoga Soil and Water Conservation District
City of Cleveland, Dike 14– Brownfield Assessment
Assistance ID No.: BF-00E11601-0

Modifications to the Work Plan: No modifications.

Status of Activities During Reporting Period

Task 1: Community Outreach

Community outreach has been accomplished by meeting with the Dike 14 Environmental Education Collaborative (EEC). The EEC is comprised of the following organizations that are working together to protect and restore Dike 14 as a public nature preserve and outdoor environmental education. The Dike 14 EEC met on September 21 and December 6, 2006. The meetings are summarized below.

September 21, 2006: Ms. Jan Rybka of the Cuyahoga Soil and Water Conservation District (SWCD) and Mr. Dan Brown of Partners Environmental Consulting, Inc. (Partners) discussed the brownfield assessment activities planned for the Dike 14 Confined Disposal Facility (CDF). Mr. John Loftus of the Cleveland-Cuyahoga County Port Authority (Port Authority), Mr. John Blackman of Partners and Mr. Kristopher Bruestle of Davey Resource Group (Davey) also attended the meeting and answered questions.

December 6, 2006: Ms. Jan Rybka of the Cuyahoga SWCD, Mr. John Loftus of the Port Authority, and Mr. John Blackman and Mr. John Garvey of Partners, discussed the status of the brownfield assessment activities and answered questions. The EEC members wish to continue to provide environmental education at the site, but the fieldwork will limit activities. EEC members asked for a projected timeframe for the soil testing. Cuyahoga SWCD and Partner's Environmental are working to submit the required documents to the US EPA and Ohio EPA in late December or early January.

The Dike 14 EEC met on January 18, 2007. EEC members are working on two open house events on Dike 14 in May and September. EEC members are also planning individual educational activities on site. Each collaborative member will keep a record of additional stakeholders and materials distributed to the public.

Community outreach will be ongoing through the entire grant period.

Task 2: Selection of Consultant

Partners Environmental Consulting, Inc. (Partners) was selected as the environmental consultant

for the project. Partners' project responsibilities include: preparing a Quality Assurance Project Plan (QAPP); preparing a Sampling and Analysis Plan (SAP), including a Health and Safety Plan (HASP); conducting a Phase I Property Assessment; reviewing historical information, environmental reports, plans and permits for the property; conducting a Phase II Property Assessment; conducting a Human Health Risk Evaluation and Ecological Risk Evaluation; preparing a Remedial Action Plan (RAP); and assisting with community outreach and quarterly reporting.

Partners teamed with Davey Resource Group (Davey), who will conduct ecological and wetlands consulting for the project. Davey's project responsibilities include: conducting a baseline ecological inventory; inspecting proposed Phase II sample locations to identify wetlands or sensitive ecological conditions; and assisting Partners with the Ecological Risk Evaluation. Task is completed.

Task 3: QAPP and Health and Safety Plan

Partners prepared a Quality Assurance Project Plan (QAPP) and Sampling and Analysis Plan (SAP), including a Health and Safety Plan (HASP), to be followed during the Phase II Assessment.

A conference call was conducted on December 21, 2006, prior to submittal of the QAPP. Ms. Jan Rybka of the Cuyahoga SWCD, Mr. John Blackman and Mr. John Garvey of Partners, Ms. Karla Aufer and Ms. Jan Pels of the United States Environmental Protection Agency (USEPA) discussed the QAPP. Partners relayed its plan to conduct the Phase II fieldwork in February 2007, when the ground is frozen and the vegetation and wildlife are dormant. Ms. Pels and Ms. Aufer said they would expedite their reviews of the QAPP and SAP so that the Phase II fieldwork is not delayed. The QAPP and SAP were submitted to the USEPA for review on January 2, 2007.

Task 4: Phase I Site Assessment

Partners is conducting a Phase I Property Assessment of the Dike 14 CDF. The Phase I is being conducted in accordance with the requirements of the Ohio Voluntary Action Program (VAP), although it will not be submitted to Ohio EPA to obtain a Covenant Not-to-Sue (CNS). The VAP Phase I report should be completed by February 1, 2007.

Task 5: Phase II Property Assessment

Partners is scheduled to conduct a Phase II assessment in June and July 2007. However, Partners hopes to obtain approval of the QAPP and SAP so the Phase II fieldwork can begin in February 2007. Thick vegetation at the site will be dormant and the ground should be frozen in February.

The Phase II assessment will follow the requirements of the Ohio VAP, although it will not be submitted to Ohio EPA to obtain a CNS. The Phase II assessment will include obtaining samples of surface and subsurface soils, sediments, surface water and ground water. Samples

will be collected on a grid pattern utilizing a Geoprobe, hollow-stem auger drilling rig, hand auger and hand sampling equipment, depending on the sample location, accessibility and environmental media. Approximately five ground water monitoring wells will be installed across the site. The environmental samples will be analyzed for a wide spectrum of potential contaminants including: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polynuclear aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), metals, pesticides and herbicides and cyanide. The analytical results will be compared to VAP standards for commercial-industrial land use, Ohio surface water quality criteria and other published risk-based standards. A Phase II report will be prepared to document the investigation.

Task 6: Preliminary Risk Assessment and Remedial Action Planning

A preliminary risk assessment will be conducted to evaluate the risks to human health and the environment from the chemicals of concern (COCs) detected during the Phase II assessment. The preliminary risk assessment will follow the requirements of the Ohio VAP, although it will not be submitted to Ohio EPA to obtain a CNS. The risk assessment will be based on non-residential (commercial-industrial) land use and no potable or non-potable use of ground water. The preliminary risk assessment is scheduled for August 2007.

A remedial action plan will be prepared to evaluate the results of the preliminary risk assessment as they relate to the planned use of the Dike 14 CDF as a nature preserve. Depending on the results of the preliminary risk assessment, engineering controls, institutional controls and/or active remediation could be required and each will be evaluated. The remedial action plan is scheduled for September and October 2007.

Task 7: Procurement/Financial Reporting

Problems Encountered/Assistance Needed

An authorization under Ohio Administrative Code (OAC) 3745-27-13 (Rule 13) is required for a portion of the Dike 14 CDF. Historical information obtained during the Phase I and historical reviews revealed that approximately 8-acres of the 88-acre CDF was the site of a landfill operated by the City of Cleveland. Ms. Jan Rybka of the Cuyahoga SWCD, and Mr. John Blackman and Mr. John Garvey of Partners, met with Mr. John Schmidt and Mr. Murat Tukul, of the Ohio EPA, on December 12, 2006 to discuss the landfill and the proposed brownfield assessment activities. Mr. Schmidt and Mr. Tukul indicated that CDFs, in general, are not considered solid waste facilities and do not require Rule 13 authorizations. However, they indicated that a Rule 13 authorization is required for the approximately 8-acre landfill portion of the Dike 14 CDF.

Partners prepared a Rule 13 authorization under paragraph (G) for a (D)(3) facility. The Rule 13 authorization was submitted to Mr. Jerry Parker of Ohio EPA for review on January 17, 2007. Mr. Parker is responsible for solid waste facilities located in Cuyahoga County, Ohio.

Deliverables/Work Products

QAPP, submitted January 2, 2007

SAP, submitted January 2, 2007
 Rule 13 Authorization, submitted January 17, 2007

2.1 Schedule/Percent Completed

Task	Scheduled completion	Anticipated completion
Community Outreach	March 2008	16%
QAPP & SAP, HASP	November 2006	January 2, 2007 - 100%
Phase I Property Assessment	November 2006	February 2, 2007 - 90%
Historical Reviews/Research	November 2006	February 2, 2007 - 90%
Rule 13 Authorization	New Task-Not Scheduled	January 17, 2007 - 100%
Phase II Property Assessment	July 2007	July 2007 - 0%
Human Health Risk Assessment	August 2007	August 2007 - 0%
Ecological Risk Assessment	August 2007	August 2007 - 0%
Remedial Action Plan	October 2007	October 2007 - 0%

2.2 Funds Expended

Table 1

Summary of Expenses by Category (Report period through December 31, 2006)

Budget Category	Budgeted Amount	Previous Expense	Quarter Expense	Cumulative Expense
Personnel	5,070	0	1470	
Benefits/fringe (30% personnel)	1,530	0	441.00	
Travel	1,850	0	31.24	
Contractual	191,550	0	0	
Total Expenses			\$1942.24	

Grant Administration through December 31, 2006

Personnel-Project management, meeting coordination-stakeholders, QAPP, Rule 13, public involvement meeting, accounting & reporting

fringe benefits @ 30%

RFQ Bid notice

Travel-meetings/workshops @ \$.44/mi

SWCD	JHR tasks	42 @ 35/hour	\$ 1,470
SWCD			441
SWCD	\$189.60		189.60
SWCD	71 mi @ .44		31.24

Contractual services

Invoice submitted 031507

Partners
 Environmental,
 Inc.

total

\$1,942.24

3.0 Brownfields Program Measures of Success

3.1 Measures of Success-Grant Program Indicators

The Dike 14 project has just gotten underway. A capable consultant was awarded a contract and the Phase I work, and QAPP and Rule 13 applications have been completed and delivered for approval.

3.2 Qualitative Indicators of Success

The project is on time and on budget.

Cuyahoga SWCD's mission is to promote conservation of land and aquatic resources in a developed environment through stewardship initiatives, education programs and technical assistance. .

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