

Report Title: Appendix A 10 - 12 Report

Agency: Department of Environmental Quality (DEQ)

Date: 9/27/2010

Agency Head Approval:

Yes

There are no major projects for this agency.

| <b>Non-Major Projects</b>   |              |                           |                              |                                  |
|---|--------------|---------------------------|------------------------------|----------------------------------|
| <b>Water Quality Data Exchange Implementation - WQX</b>   |              |                           |                              |                                  |
| <b>Appropriation Act/Funding Status</b>   |              |                           | <b>Project in Planning -</b> |                                  |
| <p>The Virginia Department of Environmental Quality (VADEQ) will implement the exchange of water quality data contained in the VADEQ Comprehensive Environmental Data System Water Quality Module (CEDS-WQM) with the U.S. Environmental Protection Agency's Central Data Exchange (CDX). The VADEQ maintains one of the nation's largest water quality databases. These data once housed in STORET at the National Computing Center are now stored in CEDS-WQM and represent a record of monitoring which began in 1941 and has continued to the present.</p> <p>The project goal is to implement a data exchange mechanism between VA DEQ's Comprehensive Environmental Data System – Water Quality Module (CEDS-WQM) and the U.S. Environmental Protection Agency's national STORET data warehouse by using WQX framework. The data to be shared are ambient water quality and related environmental monitoring data. The data will be submitted through EPA's Central Data Exchange (CDX).</p> <p>Implementation of automatic frequent data transfer from CEDS-WQM to EPA's data warehouse will increase the speed and timeliness of data availability to users at the Federal portal. By leveraging existing data retrievals off of the VADEQ web server and onto the WQX data retrieval portal, the Department will gain significant administrative efficiencies by no longer having to maintain, support, and host a CEDS-WQM Oracle to Web interface. Efficiencies for the general public will be realized as data retrievals become one stop via a single entry point for VADEQ and other Virginia water quality data.</p> |              |                           |                              |                                  |
| Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?  |              |                           | Proposed                     |                                  |
|   |              |                           |                              |                                  |
| Planned project start date:   | 1/2/2008     | Planned project end date: | 7/30/2010                    |                                  |
| PPEA Involvement:   |              |                           |                              |                                  |
|   |              |                           |                              |                                  |
| <b>Estimated Costs:</b>   | <b>Total</b> | <b>General Fund</b>       | <b>Nongeneral Fund</b>       | <b>Nongeneral Funding Source</b> |

|   |              |                |                              |               |
|---|--------------|----------------|------------------------------|---------------|
| Project Cost (estimate at completion):  | \$132,571    | \$0            | \$132,571                    |               |
| Estimated project expenditures first year of biennium:  | \$0          | \$0            | \$0                          |               |
| Estimated project expenditures second year of biennium:   | \$0          | \$0            | \$0                          |               |
| <b>Funding Required:</b>  |              |                |                              |               |
|   | <b>Total</b> | <b>General</b> | <b>Nongeneral</b>            |               |
| Funding required for first year of biennium:  | \$0          | \$0            | \$0                          |               |
| Funding required for second year of biennium  | \$0          | \$0            | \$0                          |               |
| <b>Service Area</b>   |              |                |                              | <b>Weight</b> |
| There are no service areas for this project.  |              |                |                              |               |
| <b>Project Related Procurements</b>   |              |                |                              |               |
| There are no procurements for this project  |              |                |                              |               |
| Procurement Description:  |              |                |                              |               |
| Planned Delivery Date:  |              |                |                              |               |
| <b>Data Acquisition Project - AQM</b>   |              |                |                              |               |
| <b>Appropriation Act/Funding Status</b>   |              |                | <b>Project in Planning -</b> |               |
| <p>The Office of Air Quality Monitoring maintains remote Air Quality Monitoring sites throughout the Commonwealth of Virginia. Each of these sites contains instruments that measure ambient concentration levels of pollutants regulated through the Clean Air Act and the Virginia Air Pollution Control Law. This system was purchased in 1987; it underwent a major upgrade in 1999 to make it Y2K compliant. Presently, each location contains a data-logger that collects analog signals from the air quality monitors at the site. This information is stored in the data-logger's memory. The data-loggers are polled by the program's computer using a dial-up modem (each site contains an analog landline and modem).</p> <p>This business project will replace the existing system with a new state-of-the-art COTS monitoring system. The project consists of two components: 1. the procurement of the new system; and 2. the set-up and validation of the new system. The IT procurement is a small portion of the overall project effort, projected at about 25% of the overall effort.</p> |              |                |                              |               |
| Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?  |              |                |                              | Proposed      |
| Planned project start date: 9/1/2009 Planned project end date: 12/30/2011   |              |                |                              |               |
| PPEA Involvement:   |              |                |                              |               |

| <b>Estimated Costs:</b>   |   |                     |                              |                                  |
|---|---|---------------------|------------------------------|----------------------------------|
|   | <b>Total</b>  | <b>General Fund</b> | <b>Nongeneral Fund</b>       | <b>Nongeneral Funding Source</b> |
| Project Cost (estimate at completion):  | \$286,000   | \$0                 | \$286,000                    |                                  |
| Estimated project expenditures first year of biennium:  | \$0   | \$0                 | \$0                          |                                  |
| Estimated project expenditures second year of biennium:   | \$0   | \$0                 | \$0                          |                                  |
| <b>Funding Required:</b>  |   |                     |                              |                                  |
|   | <b>Total</b>  | <b>General</b>      | <b>Nongeneral</b>            |                                  |
| Funding required for first year of biennium:  | \$0   | \$0                 | \$0                          |                                  |
| Funding required for second year of biennium:   | \$0   | \$0                 | \$0                          |                                  |
| <b>Service Area</b>   |   |                     |                              | <b>Weight</b>                    |
| 440 DEQ 51329 Air Protection Monitoring and Assessment  |   |                     |                              | Primary                          |
| <b>Project Related Procurements</b>   |   |                     |                              |                                  |
| Data Acquisition procurement - AQM  |   |                     |                              |                                  |
| Procurement Description:  | <p>The Office of Air Quality Monitoring maintains remote Air Quality Monitoring sites throughout the Commonwealth of Virginia. Each of these sites contains instruments that measure ambient concentration levels of pollutants regulated through the Clean Air Act and the Virginia Air Pollution Control Law. The current Air Monitoring sites are supported by a Data Acquisition System that was purchased in 1987. This system last went through a major upgrade in 1999 to make it Y2K compliant. Presently, each location contains a data-logger that collects analog signals from the air quality monitors at the site. This information is stored in the data-logger's memory. The data-loggers are polled by the program's computer using a dial-up modem (each site contains an analog landline and modem).</p> <p>This business project will replace the current outdated Data Acquisition System with a new state of the air COTS system. The project consists of two components: 1. the procurement of the new system; and 2. the set-up and validation of the new system. The IT procurement is a small portion of the overall project effort, projected at about 25% of the overall effort.</p> |                     |                              |                                  |
| Planned Delivery Date:  | 12/30/2011  |                     |                              |                                  |
| <b>Total Maximum Daily Loads (TMDL)</b>   |   |                     |                              |                                  |
| <b>Appropriation Act/Funding Status</b>   |   |                     | <b>Project in Planning -</b> |                                  |
| The project will establish the processes to enable the agency to assemble and disseminate TMDL, wasteload allocations, and permit information to its staff, the regulated community, the general public, the EPA, and other state agencies. The objective of the project is to ensure compliance to the Clean |   |                     |                              |                                  |

|   |              |                           |                        |                                  |
|---|--------------|---------------------------|------------------------|----------------------------------|
| Water Act and improve tracking of water quality improvements.   |              |                           |                        |                                  |
| The project is composed of two phases that will run concurrently: 1. the creation and/or validation of GIS spatial information for TMDL and water permits; and 2. the creation of a web-based application for the maintenance of this information such that it can be utilized by the agency's GIS data viewer. The first phase does not have an IT component; however, the work performed in this phase will provide the initial data that is utilized by the application that is developed in the second phase. |              |                           |                        |                                  |
| Is this a proposed project or the continuation of an active project? (Proposed or Continuing)?  |              |                           |                        | Proposed                         |
|   |              |                           |                        |                                  |
| Planned project start date:   | 11/2/2009    | Planned project end date: | 7/1/2010               |                                  |
| PPEA Involvement:   |              |                           |                        |                                  |
|   |              |                           |                        |                                  |
| <b>Estimated Costs:</b>   | <b>Total</b> | <b>General Fund</b>       | <b>Nongeneral Fund</b> | <b>Nongeneral Funding Source</b> |
| Project Cost (estimate at completion):  | \$329,000    | \$0                       | \$329,000              |                                  |
| Estimated project expenditures first year of biennium:  | \$329,000    | \$329,000                 | \$0                    | Non-general - Federal            |
| Estimated project expenditures second year of biennium:   | \$0          | \$0                       | \$0                    |                                  |
|   |              |                           |                        |                                  |
| <b>Funding Required:</b>  | <b>Total</b> | <b>General</b>            | <b>Nongeneral</b>      |                                  |
| Funding required for first year of biennium:  | \$0          | \$0                       | \$0                    |                                  |
| Funding required for second year of biennium:   | \$0          | \$0                       | \$0                    |                                  |
| <b>Service Area</b>   |              |                           |                        | <b>Weight</b>                    |
| 440 DEQ 51225 Water Protection Permitting   |              |                           |                        | Primary                          |
| <b>Project Related Procurements</b>   |              |                           |                        |                                  |
| There are no procurements for this project  |              |                           |                        |                                  |
| Procurement Description:  |              |                           |                        |                                  |
| Planned Delivery Date:  |              |                           |                        |                                  |

## Stand Alone Major Procurements

|   |  |                                     |           |
|---|--|-------------------------------------|-----------|
| <b>Procurement Name:</b>                                | <b>SGS Testcom Services 2009 - 2012</b>  |                                     |           |
| Procurement Description:                                | In 2003, the Agency awarded SGS Testcom the contract for the vehicle emissions system required for the Air Check Virginia Program. This procurement extends these services for a three-year period commencing on July 1, 2009 and ending on June 30, 2012. |                                     |           |
| Procurement Planned Start Date                          | 7/1/2009   | Procurement Planned Completion Date | 6/30/2012 |
|   |  | Appropriation Act Status            |           |
| <b>Service Area</b>                                     |  | <b>Weight</b>                       |           |
| 440 DEQ 51326 Air Protection Compliance and Enforcement |  | Primary                             |           |
| 440 DEQ 51329 Air Protection Monitoring and Assessment  |  | Secondary                           |           |
|   |  |                                     |           |

## **Stand Alone Non-Major Procurements**

|   |  |                                     |           |
|---|--|-------------------------------------|-----------|
| <b>Procurement Name:</b>                  | <b>TMDL Application Delivery</b>   |                                     |           |
| Procurement Description:                  | <p>The Water Quality Planning Interface Permit application will bring next-generation strategic innovation to one of the most developed TMDL programs in the nation. By bringing together TMDL data, WLAs, and NPDES permit data into a single application, the objectives below will be met.</p> <ul style="list-style-type: none"> <li>* Promote permitting efficiency and consistency with TMDLs.</li> <li>* Enhance tracking of permits and WLA modifications.</li> <li>* Allow better communication with those who need access to WLAs and permit information.</li> <li>* Improve the ability of agency staff, other Commonwealth agencies, the Environmental Protection Agency, the regulated community, and the public to locate TMDL, WLA, and related permit information.</li> <li>* Enhance the Commonwealth's ability to conduct appropriate planning activities with regard to infrastructure, water improvements, and other environmentally innovative activities.</li> </ul> |                                     |           |
| Procurement Planned Start Date            | 2/1/2010   | Procurement Planned Completion Date | 8/31/2010 |
|   |  | Appropriation Act Status            |           |
| <b>Service Area</b>                       |  | <b>Weight</b>                       |           |
| 440 DEQ 51225 Water Protection Permitting |  | Primary                             |           |
|   |  |                                     |           |