

Oregon DEQ eDMR/CROMERR Project

(WQ eDMR Grant Repurposing Study)

Request for Information (RFI)

Key Search Terms: CROMERR, eDMR, SharePoint

Attachments: Descriptions of Key DEQ Systems and data; DEQ Information Technology Environment

This Request for Information (RFI) is issued by the State of Oregon, Department of Environmental Quality (DEQ) to solicit information, including a non-binding price estimate, from interested software vendors and developers on procuring a system for submitting electronic data and reports required by Oregon water and other media pollution permits, that meets the requirements of EPA's Cross Media Electronic Reporting Rule (CROMERR).

This Request for Information may or may not result in a later Request for Quotes (RFQ) or an Invitation to Bid (ITB). Responses to this RFI will be used only for general information purposes and will not be considered binding on any party or used for contractor selection.

DEQ's Business Objectives:

1. Obtain or develop an external front-end for DEQ's existing Discharge Monitoring System (DMS) database that will support secure submission of electronic Discharge Monitoring Reports (eDMR) using a CROMERR security portal. The system must be compatible with and supportable within DEQ's existing IT environment.
2. Obtain or develop a CROMERR portal useable by the new eDMR application and other appropriately configured DEQ data submission applications. (Material on CROMERR can be found at: <http://www.epa.gov/CROMERR/>.)

The state of Oklahoma recently developed a CROMERR portal under an EPA grant. (A description of the project can be found at <http://www.cromerr.net/default.aspx>.) Oregon DEQ is particularly interested in exploring the possibility of rebuilding the Oklahoma project CROMERR portal to function on the MS SharePoint 2010 workflow engine. DEQ is also open to using the Edoctus platform from the original Oklahoma project, and to other approaches that fulfill the project objectives.

3. Configure DEQ's existing HazWaste.net and TUHWRReporting applications to use the new CROMERR portal.
4. Complete an application for EPA CROMERR certification of the eDMR submission and HazWaste.net systems.
5. Produce and document a plan for continued maintenance and support the CROMERR portal and associated business processes.
6. (Optional) DEQ encourages responders to identify suggestions for leveraging the investment associated with these objectives by suggesting ways to, now or in the future:
 - i. Use the necessary developed technology and infrastructure to support other Oregon DEQ functions (e.g. authentication for customers of other e-government functions, enhanced general document submission and management capability, etc.), and
 - ii. Make developed project approach and technology available for re-use by other states and environmental agencies.

Questions for vendor:

1. What approach would you recommend Oregon DEQ consider? Please include a description of the overall technology and of each recommended commercial software package, custom development and software or hardware platform. What differentiates this approach, and what advantages does it offer over other significant options?
2. Please describe how the recommended approach would meet each of the objectives stated above.
3. What specific useful functionality, over and above the stated objectives, might be provided by this approach?
4. Please describe what portions of the developed solution might be portable to other states with similar needs.
5. What obstacles to implementing this solution are presented by the DEQ network environment and how would you overcome these obstacles?
6. In what areas and to what extent would participation by DEQ personnel be necessary?
7. What technology transfer, training and later assistance should be planned for?
8. What is the estimated time needed to implement this approach?
9. What is the estimated cost of this solution?

How to Respond:

The Request For Information #DEQ-1106-10 and all DEQ solicitations are posted on the Oregon Procurement Information Network (ORPIN). ORPIN provides access to procurement and contracting information issued by the State of Oregon, local governments, and political subdivisions. If you wish to view or download this RFI or any DEQ procurement opportunities, you will need to be registered in ORPIN at: <http://orpin.oregon.gov/open.dll/welcome>.

Please respond no later than 5:00 Pacific Standard Time on April 14, 2010.

Please refer questions to Dave Kingsella at (503) 229-6311 or david.kingsella@state.or.us.

Responses should be submitted to:

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Descriptions of Key DEQ Systems and Data

Oregon DEQ eDMR/CROMERR Project Request for Information --Attachment I

The Discharge Monitoring System (DMS) is a VB.net, internal-only web application used to manage Water Quality permit limit, monitoring and DMR data. Data are stored on Microsoft SQL server 2005; reports run on Microsoft SQL server 2008. Administrative permit data are managed by a separately maintained Microsoft SQL database. DEQ manually enters DMR and other data in DMS for 70 permits, and partial data for another 350 permits of a total of 750 within scope for this project. Most Oregon permits require monthly submission of DMRs.

Oregon Discharge Monitoring Report (DMR) data consist of EPA's WENDB "Measurement Violation" data family elements; additional state-required daily parameter monitoring and identification, certification and necessary header information. DEQ's DMS system evaluates submitted data against a stored record of required monitoring and parameter limits. Submitted data are used by DEQ to monitor permit compliance and reported to EPA's PCS or ICIS-NPDES permit data system for federal use.

The DEQ Permit Document Repository uses the Knowledge Lake document management system operating on a Microsoft Office SharePoint Server (MOSS) platform.

DEQ's HazWaste.net and TUHWRReporting are systems used by the public to submit reports to DEQ. HazWaste.net allows users to enter information directly into forms before submitting, or to import the data using tab-delimited text files. TUHWRReporting only allows direct data entry. Both systems use a Microsoft SQL Server database and a user interface developed using ASP.net. Users create a profile with their facility identification number and a PIN supplied by DEQ. After creating a password, users log in using a self-determined user ID and password.

DEQ Information Technology Environment

Current and Legacy Systems (March, 2010 Update)

Oregon DEQ eDMR/CROMERR Project
Request for Information --Attachment II

Network Overview:

DEQ internally maintains its core server environment at DEQ's Headquarters in Portland. This includes file, email, print, database and application servers. The regional offices all have their own file and print servers locally on site.

We only interface with State of Oregon's Technology Support Center when we have network problems or when there is a problem accessing one of the business systems.

Network Environment	
Feature	Current
LAN Hardware	Cisco 4000 Router Cisco PIX Firewall Cisco 1900 Series Switch Cisco 2100 Series Switch Cisco 2950 Series Switch
Server Hardware	Rack mount HP ProLiant Servers, HP Blade System
Workstation Hardware	HP/Compaq – various models
Server OS	MS Windows 2000 primarily, Windows 2003 on SQL and IIS Servers, Windows 2008.* By July 2010, we will migrate our Active Directory to Server 2008 R2.
Workstation OS	MS Windows XP Pro
Backups	Symantec Backup Exec 11
Web Server	IIS 6.0 (internal sites)
	Interwoven TeamSite – state hosted
Protocols	TCP/IP (32 bit)
PC Tools	MS Access 2007
	MS Excel 2007
	MS Word 2007
	MS Outlook 2007
	MS PowerPoint 2007
	MS Internet Explorer v 7.0
	MS Expression Web
Database	MS SQL Server Professional 2005 SP2

Enterprise Desktop Management	MS SCCM 2007
Email	MS Exchange Server 2000/2003
Central Scheduling	Argent Job Scheduler v 7
Collaboration	MS Sharepoint Services 2007 MS Moss 2007
GIS Server	ESRI ArcGIS Server 9.3.1 ESRI ArcIMS 9.2 ESRI ArcSDE 9.2

Application Overview:

DEQ has mostly internally built applications for business and program functionality. We interface with centrally hosted state systems both for entering data and downloading information for our internal systems. Accounting, Payroll, HR and Web all interface with State systems.

DEQ is in the process of migrating of our legacy Oracle/Sequent environment. Details of this environment are not included as the migration should be complete by July 1, 2010.

Application Environment	
Feature	Current
Development	VB 6, Classic ASP, ASSP.net, Visual Studio .net 2002, 2003, 2005, 2008
Tools	Component one Studio for .net (minimal web components)
	Crystal Reports (various versions <10.2)
	SQL Reporting Services 2008
Development Language	VB.Net
Source Control	Visual Source Safe 6.0
Issue Management	Issue Tracker (internally developed)
Project Management	MS Project and others