

Environmental Information



# EN2015

## Ohio EPA NPDES e-Apps e-Reports

James Roberts, Adele Vogelgesang, and Robert Ward;

*Ohio Environmental Protection Agency*

**2015 Exchange Network National Meeting**

Supporting the Business of Environmental Protection

September 29–October 1, 2015  
Sheraton Philadelphia Society Hill Hotel  
Philadelphia, Pennsylvania

<http://www.exchangenetwork.net/en2015>

# ABSTRACT

- Ohio EPA eBusiness Center (eBiz) approved CROMERR-compliant 2012 with 7 reports including eDMRs received electronically
- Reporting burden decreased for both regulators and regulated community
- Improved and more real-time data
- Analysis and use for compliance assistance
- Program improvements

# Division of Surface Water (DSW) Electronic Business Services ROI

- E-submission has:
  - Reduced manual data entry errors of application data with auto-reconciliation of financial information
  - Provided a one-stop shop to complete, submit and pay for (when applicable) NPDES permit applications and reports
  - Streamlined and reduced reporting burden

# eDMR: Innovation = Time Saved

- No special software/nothing to install
- No facility/permit setup
- No mailing hard copies/no emails
- Can hand enter data ...
  - Copy & paste from Excel ....
    - Import XML file
- Numerous validations ensure clean data

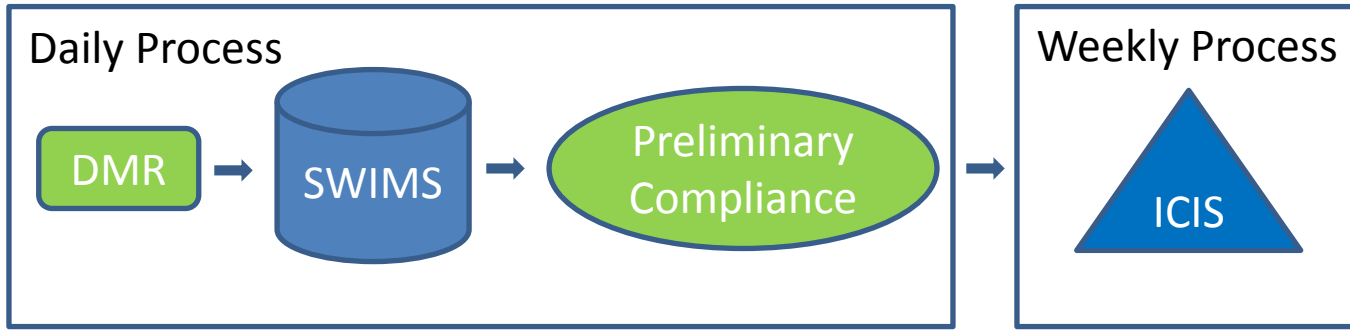
# eDMR: Efficiencies = High Performance

- System “runs itself”
- Immediate access to submitted data
- Automated compliance determinations
- 1-click revisions
- More compliant submittals
- Relationship development / culture change

# Ohio EPA eBiz & ePay

- eBiz allows online permit application payments as soon as the application is submitted
- *Service fee for payments made by VISA, MasterCard & Discover - 2.2%*
- No service fee for Automated Clearing House (ACH) payments (electronic check) but payer must have an eBusiness Center PIN
- As of June 2015, ePay can be used for invoices that already have a revenue ID - will be able to be used to make any payment in the near future (ex. new permit fee)
- Once the revenue ID is entered, the information about the payment auto-populates

# Surface Water Information Mgmt. System (SWIMS) Compliance Screening



As Needed

Compliance  
Review  
Report

# SWIMS – Preliminary Compliance Report (PCR)



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Craig W. Butler, Director

January 19, 2015

Dover Chemical Corporation  
3676 Davis Rd NW  
Dover, OH 44622

Dear Permittee:

A Preliminary Compliance Review was conducted on your Discharge Monitoring Report (DMR) submitted on January 16, 2015. As detailed at the end of this letter, screening of your submitted DMR has identified possible compliance issues. Please review the information and take the appropriate action:

- If you believe the identified compliance issues are in error based on your understanding of your NPDES permit conditions, contact your Ohio EPA District Representative, Scott Foster, at 1-800-686-7330 or [Scott.Foster@epa.ohio.gov](mailto:Scott.Foster@epa.ohio.gov)
- Part III-12 of your NPDES permit requires that you submit an email or a letter of explanation outlining the actions you have taken or are taking to correct certain instances of non-compliance. If you have not already done so, please submit the email or letter to your Ohio EPA District representative at the following address:  
Scott Foster  
Ohio EPA - Southeast District Office  
2195 Front Street  
Logan, Ohio 4313  
1-800-686-7330 or [Scott.Foster@epa.ohio.gov](mailto:Scott.Foster@epa.ohio.gov)

• The following web address contains useful eDMR submission information including definitions of limit violations, non-numeric violations, frequency violations, calculation of average concentrations, and correct A-code use:  
<http://www.epa.ohio.gov/dsw/edmr/eDMR.aspx>

Sincerely,

Ed Swindall  
[ed.swindall@epa.state.oh.us](mailto:ed.swindall@epa.state.oh.us)  
Supervisor, Permits Compliance Unit  
Ohio EPA, Division of Surface Water



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Craig W. Butler, Director

## Preliminary Compliance Report

Facility: Dover Chemical Corporation

Permit No.: OIF00040\*ND

Report Period: December 2014

Date Received: 1/16/2015

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
002	Limit	12/8/2014	32102	Carbon Tetrachloride	Daily Conc.	44	74.
002	Limit	12/8/2014	32102	Carbon Tetrachloride	Daily Load	0.75	1.27161
002	Limit	12/10/2014	32102	Carbon Tetrachloride	Daily Conc.	44	89.
002	Limit	12/10/2014	32102	Carbon Tetrachloride	Daily Load	0.75	1.53947





# Permit Compliance Review

## NPDES Facility Inspection and NOV Summary

Facility	Permit No.	App No.	Total Inspections	Total NOV's	
☐ Dover Chemical Corporation	OIF00040	OH0007269	2	19	
Insp. Date	Letter Date	Staff			
CEI	8/21/2012	9/10/2012	Fulks, Timothy		
CEI	5/1/2014	5/27/2014	Fulks, Timothy		
NOV	Letter Date	Limit Violation	Other Violation	Review Period	Comments
NOV	9/11/2007	Yes	Sampling Frequency	6/1/2004 - 7/1/2007	Witte, Jennifer
NOV	11/14/2007	Yes	Sampling Frequency	8/1/2007 - 9/1/2007	Witte, Jennifer
NOV	7/10/2008	Yes	Sampling Frequency	10/1/2007 - 5/1/2008	Witte, Jennifer
NOV	12/18/2008	Yes	No	10/1/2008 - 11/1/2008	Witte, Jennifer
NOV	12/16/2009	Yes	Sampling Frequency	3/1/2009 - 11/1/2009	Witte, Jennifer
NOV	3/3/2010	Yes	No	11/1/2009 - 2/1/2010	Witte, Jennifer
NOV	5/27/2010	Yes	No	2/1/2010 - 5/1/2010	Witte, Jennifer
NOV	8/19/2010	Yes	No	5/1/2010 - 8/1/2010	Witte, Jennifer
NOV	11/10/2010	Yes	No	8/1/2010 - 10/1/2010	Witte, Jennifer
NOV	12/23/2010	Yes	No	10/1/2010 - 12/1/2010	Witte, Jennifer
NOV	2/24/2012	Yes	Sampling Frequency	12/1/2010 - 1/1/2012	Fulks, Timothy
NOV	9/10/2012	Yes	No	1/1/2010 - 6/1/2012	Fulks, Timothy
NOV	2/8/2013	Yes	No	10/1/2012 - 11/1/2012	Fulks, Timothy
NOV	2/8/2013	Yes	No	11/1/2012 - 12/1/2012	Fulks, Timothy
NOV	9/18/2013	Yes	No	6/1/2013 - 7/1/2013	Fulks, Timothy
NOV	10/17/2013	Yes	No	7/1/2013 - 8/1/2013	Fulks, Timothy
NOV	4/24/2014	Yes	No	3/1/2014 - 4/1/2014	Fulks, Timothy
NOV	5/27/2014	No	No	8/1/2012 - 4/1/2014	Fulks, Timothy
NOV	6/3/2014	Yes	No	4/1/2014 - 5/1/2014	Fulks, Timothy
<b>Grand Total:</b>				<b>2</b>	<b>19</b>

# STREAMS

## Surface Water Tracking, Reporting, Electronic Application Management System

- NPDES Form 1 General Application
  - General Permit Notice of Intent Application
  - General Permit Notice of Termination
  - General Permit No Exposure Certification
- Co-Permittee NOI
- Individual Lot NOI
- Individual Lot NOT
- Permit Transfer Application (req. 2 signatures)

# Storm Water NOI - Paper Processing

Home | About | Services and Offices | Businesses | Citizens and Educators | News | How to Pay | Contact

## Storm Water Program

Storm water discharges are generated by runoff from land and impervious areas such as paved streets, parking lots, and building roofs during rainfall and snow events. Storm water often carries pollutants in runoff that could adversely affect water quality. Most storm water discharges are considered point sources and require coverage under NPDES permits. The primary method to control storm water discharges is through the use of best management practices (BMPs).

For information about storm water management at home, visit the Public Health Center's website and click on the Storm A Difference tab.

What's New? | Forms & General Permits | Issued Permits/Permittees Lists | Construction Activities | Industrial Activities | Municipal MS4 | Supplemental Information | Outreach | Contacts

Division of Interest Applications

For use for coverage under Ohio EPA's storm water general permit, except for industrial storm water. The instructions describe the portions of the application that you should complete, depending on the permit coverage you want. Any **NOI** application for construction activity must include a validly signed NOI form. Contact and complete multiple projects. Please see NOI application instructions.

- NOI application form
- Alternative NOI Application Form (Expediting leaves with form above)
- NOI application instructions
- NOI processing fee table
- NOI information

Construction Storm Water Co-Permittee Notice of Intent (NOI) application. This application form is used by construction site operators, as defined in Part VII of the NPDES Construction Storm Water General Permit (GSP), to become co-permittees with the total permittee of a construction site. Part I(A) of the GSP requires all operators at a construction site to become co-permittees.

- Co-Permittee NOI application form
- Co-Permittee NOI application instructions

Construction Storm Water Individual Lot Notice of Intent (NOI) application and instructions. For use when a portion of a construction site is located on an agreement and erosion control responsibility is transferred to the owner of the individual lot.

- Individual Lot NOI application form
- Individual Lot NOI application instructions

Industrial Storm Water Notice of Intent (NOI) application for coverage under Ohio EPA's industrial storm water general permit

- Industrial Storm Water NOI application form
- Industrial Storm Water NOI application instructions

Small MS4 Co-Permittee Notice of Intent (NOI) application form

Application Form Instructions

Division of Interest Applications

- NPDES permit transfer applications
- Small MS4 general permit forms
- Industrial Site Exposure Certification
- Storm Water General Permits

How are we doing?

Our progress is being tracked and reported to you. Please see our progress report.



Ohio EPA Division of Surface Water - Notice of Intent (NOI) For Coverage Under Ohio Environmental Protection Agency General NPDES Permit

*(Read accompanying instructions carefully before completing this form)*

Submission of the NOI constitutes notice that the party identified in Section I of the form intends to be authorized to discharge into state surface waters under Ohio EPA's discharge general permit program. (Accordingly, a permittee/obligor is discharged in compliance with the terms and conditions of the permit.) Complete all required information as indicated by the instructions. Do not leave correction fluid on this form. Permittee/obligor fee will not be accepted. A check for the proper amount must accompany this form and be made payable to: Treasurer, State of Ohio. (See the fee table in Attachment C of the NOI instructions for the appropriate amount.)

**I. Applicant Information/Mailing Address**

Company (Applicant) Name: [Click here to enter text.](#)

Mailing (Applicant) Address: [Click here to enter text.](#)

City: [Click here to enter text.](#) State: [Click here to enter text.](#) Zip Code: [Click here.](#)

Contact Person: [Click here to enter text.](#) Phone: [Click here to enter text.](#) Fax: [Click here.](#)

Contact E-mail Address: [Click here to enter text.](#)

**II. Facility/Site Location Information**

Facility Name: [Click here to enter text.](#)

Facility Address Location: [Click here to enter text.](#)

City: [Click here to enter text.](#) State: [Ohio](#) Zip Code: [Click here.](#)

County(ies): [Click here to enter text.](#) Township(s): [Click here to enter text.](#)

Facility Contact Person: [Click here to enter text.](#) Phone: [Click here to enter text.](#) Fax: [Click here.](#)

Facility Contact E-mail Address: [Click here to enter text.](#)

(For Construction & Coal, must complete Latitude: [Click here to enter text.](#) Longitude: [Click here to enter text.](#)

Receiving Stream or MS4: [Click here to enter text.](#)

**III. General Permit Information**

General Permit Number: [Choose an item.](#) Initial Coverage:  Renewal Coverage:

Type of Activity: [Choose an item.](#) SIC Code(s): [Click here to enter text.](#)

Existing NPDES Permit Number: [Click here to enter text.](#) ODNR Coal Mining Application Number: [Click here to enter text.](#)

If Household Sewage Treatment System, is system for:  new home construction or  replacement of failed

Outfall: Design Flow (MGD): [Click here to enter text.](#) Latitude: [Click here.](#) Longitude: [Click here.](#)

Flow: [Choose an item.](#) [Click here.](#) [Click here.](#)

Are These Permits Required? PFI: [Choose item.](#) Individual 401 Water Quality Certification: [Choose item.](#)

Isolated Wetland: [Choose item.](#) USACE Nationwide Permit: [Choose item.](#) Individual NPDES: [Choose item.](#)

Proposed Project Start Date: [Click here to enter a date.](#) Estimated Completion Date: [Click here to enter a date.](#)

Total Land Disturbance (Acres): [Click here to enter a date.](#) MS4 Drainage Area (Sq. Miles): [Click here to enter a date.](#)

**IV. Payment Information**

Check #: [Click here to enter text.](#) For Ohio EPA Use Only

Check Amount: [Click here to enter text.](#) Check ID (OFA): [Click here to enter text.](#) ORG #: [Click here to enter text.](#)

Date of Check: [Click here to enter a date.](#) Rev ID: [Click here to enter text.](#) DOC #: [Click here to enter text.](#)

*I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and analyze the information submitted, that the information submitted is true, accurate, and complete, and that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for causing violations.*

Applicant Name: [Click here to enter text.](#) Title: [Click here to enter text.](#)

Applicant Signature: [Click here to enter text.](#) Date: [Click here to enter a date.](#)

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Administrative Worksheet

General | Public Notice | Distribution | Fees Flow |

Facility name: [Click here to enter text.](#) Received date: [Click here to enter text.](#)

Application number: [Click here to enter text.](#) Application received in central office:

Permit number: [Click here to enter text.](#) Date received in Central Office: [Click here to enter text.](#)

Facility ID: [Click here to enter text.](#) Is this a state owned facility? Yes  No

Permit type: [Click here to enter text.](#) State agency code: [Click here to enter text.](#)

Permit action: [Click here to enter text.](#) Major  Minor  Significant Minor  Stop mine

Facility description: [Click here to enter text.](#)

Receiving water (or PDIW for Inlets): [Click here to enter text.](#)

Facility Contact Owner Operator

Address: [Click here to enter text.](#)

Phone: [Click here to enter text.](#)

OHIO EPA CORE DB

OHIO EPA REVENUES

Bulk Petroleum Fuel Storage  
Household Sewage Treatment System  
Pesticide Application Discharge  
Small Sanitary Discharge  
Construction Lot Co-Permittee

Coal Surface Mining Activities  
Hydrostatic Testing  
Petroleum Related Correction Action  
Temporary Wastewater Discharge  
Ownership Transfers

Construction Site Storm Water  
Marina Storm Water  
Small MS4  
Water Treatment Plant  
Notice of Termination Indirect Discharge

Geothermal System Discharge  
Non-Contact Cooling Water  
Small MS4 Co-Permittee  
Construction Lot Permit  
No Exposure Certification

**Approximately 10,000 NOI Permits / Year**



# Storm Water NOI - electronic Processing

## Latitude and Longitude Information

Use the map on the right to set the latitude and longitude values and verify they are correct. You may click on the map to choose latitude and longitude coordinates or enter the latitude and longitude values in the input fields below. Alternately, you may enter an address in the input field at the bottom of the map to find coordinates by address.

### Latitude

### Longitude

### Collection Method



Have these latitude/longitude coordinates been verified?

Satellite View



## Facility Contact Information

First Name

Last Name

Title

E-mail Address

Phone

Fax

# Storm Water NOI - electronic Processing

**Ohio Environmental Protection Agency**

**Division of Surface Water - Notice of Intent (NOI) For Coverage Under Ohio EPA Industrial Storm Water General Permit (OHR000005)**

(Read accompanying instructions carefully before completing this form.)

Submission of this NOI constitutes notice that the party identified in Section I of this form intends to be authorized to discharge into state surface waters under Ohio EPA's surface water permit program. Discharge of a permittee's discharge to comply with the terms and conditions of the permit. Complete all required information as indicated by the instructions. Do not use correction fluid on this form. Forms transmitted by fax will not be accepted. A check for \$350 must accompany this form and be made payable to "Treasurer, State of Ohio."

**I. Applicant Information/Mailing Address**

Company (Applicant) Name: Punk Rock  
 Mailing (Applicant) Address: 101 Fender Rd  
 City: Gibson State or Providence: OH Zip(County) Code: 43123  
 Country: USA  
 Contact Person: Bob Ward Phone: (614) 721-8800 Fax:  
 Contact E-mail Address: Robert.Ward@epa.ohio.gov

**II. Facility/Site Location Information**

Facility/Site Name: Canal Winchester Village of  
 Facility Address: 223 N High St  
 City: CANAL WINCHESTER State: OH Zip Code: 43110  
 County: Franklin Township: Madison  
 Facility Contact Person: Bob Ward Phone: (614) 721-8800 Fax:  
 Facility Contact E-mail Address: Robert.Ward@epa.ohio.gov  
 Latitude: 39.84891389 Longitude: -82.80438056 (Approximate Center of Facility)

Receiving Stream or MS4: Walnut Creek

**III. General Permit Information**

General Permit Number: OHR000005 Initial Coverage: Y Renewal Coverage: N  
 Existing NPDES Facility Permit Number(if applicable): Primary SIC Code: 1321

Outfall	Benchmark Monitoring	SIC Code(s)	Subsector	Federal Effluent Limitation(if applicable)	Latitude	Longitude
I	II	1321		Not Applicable	39.842838	-82.804819

**IV. Payment Information**

Check #:  
 Check Amount: For Ohio EPA Use Only  
 Check ID(FA):  
 Date of Check: rev ID: DOC #:

Electronic Signature: Bob Ward  
 Title: Environmental Manager  
 Phone Number: (614) 721-8800  
 Submission Date: July 02, 2015

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**Permit List**

Permit Number	Name	Type	Issued	Coverage	Status	Actions
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Search <input type="text"/>						
No items to display						
<a href="#">Add Permit</a>						

**Application List**

Application ID	Permit Type	Application Type	Coverage	Location Name	Created	Status	Actions
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
188167079	GENERAL	Notice of Intent	REGULAR	Canal Winchester Village of	7/2/2015	Submitted	<a href="#">\$</a> <a href="#">@</a>
Search <input type="text"/>							1 - 1 displayed, 1 in total
<a href="#">Create New Permit Application</a>							

**Ohio EPA  
 General NOI Application Fee Invoice  
 Division of Surface Water**



Transaction ID: 724121  
 DATE: 07/02/2015  
 Payment Due: 08/01/2015  
 Revenue ID: 1036246

Facility:  
 Canal Winchester Village of  
 223 N High St  
 CANAL WINCHESTER, OH 43110

DESCRIPTION	AMOUNT
Notice of Intent / Industrial Stormwater General Permit / OHR000005	\$350.00

Your application will not be processed until the fee is paid in full by the due date indicated.

**Balance Due \$350.00**

Include a copy of this document with all payments and document submissions.  
 You must write the Revenue ID (if shown below) on your check to ensure proper credit.



# NPDES Permit Individual Applications – deploys Dec 2015

- NPDES Application Forms:
  - Discharge Wastewater from a Treatment Plant Treating Sewage
  - Discharge Existing Sources of Process Wastewater
  - Discharge New Sources of Process Wastewater
  - Facilities that Do Not Discharge Process Wastewater
  - Discharge Storm Water Associated with Industrial Activity
  - Sewage Sludge Use or Disposal
- Pretreatment Indirect Discharge Permit Application
- Permit Modification Application
- Ohio Anti-degradation Addendum (when applicable)

# NPDES e-Reports Deploy by Spring 2016

- Annual & Quarterly Reporting
  - Sanitary Sewer Overflow
  - Pretreatment program
  - Bio-solids' program
  - Municipal Separate Storm Sewer System
- Daily & Emergency Non Compliance Reporting
  - Exceedance of a Daily Maximum Discharge Limit
  - Bypasses, Upsets & SSOs
- Pretreatment Industrial Users Periodic Compliance Monitoring Report
- Priority Pollutant Report

# NPDES Permit Locations – ReST Service

**Individual NPDES Permits** Ohio EPA Division of Surface Water Individual Permit Program

Enter County or Address

**Find Facility by County or...**

OHIO\_EPA\_NO contains 41I00007

Use spatial filter to limit features

Add result as operational layer

Clear Results

**Legend**

Find by Permit Number (Municipal)\_Query Result

Individual Permits (NPDES)

- Individual Permit - Industrial
- Individual Permit - Public

**Port Columbus International Airport (Franklin County)**

Individual Permit - Industrial Stormwater Treatment

Effective Date: September 30, 2011

Expiration Date: April 29, 2016

Compliance Information (US EPA)

Permit Information

US EPA ID: OH0124311

Ohio EPA ID: 41I00007\*DD 40.00, -82.87

Zoom to

Options Zoom to Clear Selection Refresh

Waste Water Treatment Facilities (NPDES) Find by Permit Number (Municipal)\_Query Result

OBJECTID	OHIO_EPA_NO	US_EPA_NO	COUNTY	FACILITY_NAME	EFFECTIVE_DATE	EXPIRATION_DATE	PERM_TYPE_DESC	FAC_TYPE_DESC	PLINK
832	41I00007*DD	OH0124311	Franklin	Port Columbus International	9/30/2011, 12:00 AM	4/29/2016, 12:00 AM	Individual Permit - Industrial	Stormwater Treatment	http://wwwapp.epa.

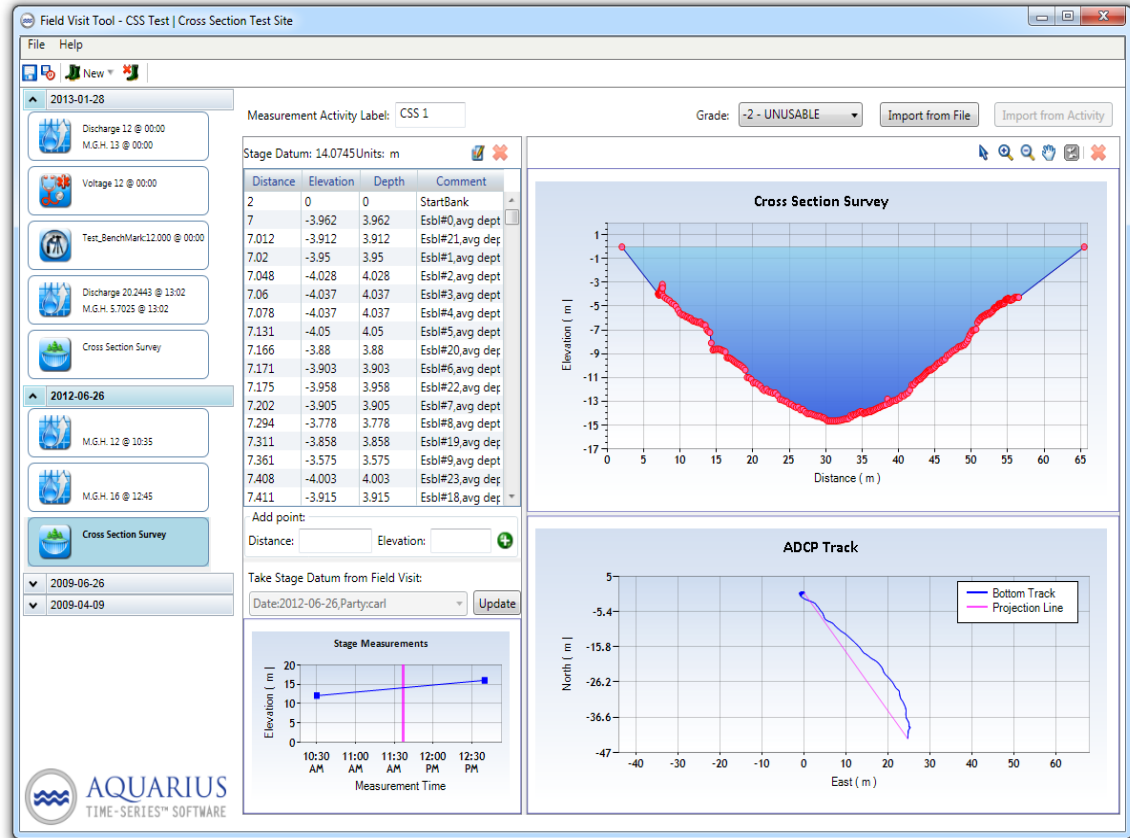
1 features 0 selected

- Nightly update procedure from Oracle Database
- Some query and reporting functionality
- ESRI integration
- **Current** ReST Services from ESRI
  - Individual NPDES Permits
  - Bio-solid Application Fields
  - Harmful Algal Bloom Advisories
  - Ohio River Mile Map
  - Air Quality Map
  - Water Quality Assessment Map – Integrated Report
- **Future** Projects:
  - General Permits
  - Biological Monitoring Data
  - Water Chemistry & Sediment
  - 401 Certifications
  - Combined Sewer Overflow Locations



# Data Analytics

- Hydrometric Database and Analytical Tool
- Analytical Modeling and Scripting
- Efficient Importing of Logger Files
- Partially Automated QA/QC
- Visualizations and Mapping
- Reporting and Publishing (ReST & SQL)
- Optional Near-real-time Data Logging
- Interfaces with several hydrometric computer formats and imports many logger file formats



# NPDES e-reporting Summary

- With use of eDMR since 2007, Ohio EPA has reduced the burden of reporting for us as regulators and for our regulated community
- Expect same benefits with all other NPDES e-applications and reports
- Increased use of the ReST service will continue expansion of environmental data access by the public and citizen scientists
- Increases expected in use of high quality data - for analysis, environmental management decision-making and program improvements

# Contacts

- Division of Surface Water eDMR Administrator:  
Jamie Roberts - [james.roberts@epa.ohio.gov](mailto:james.roberts@epa.ohio.gov)
- Office of IT Services Program Manager:  
Adele Vogelgesang - [adele.vogelgesang@epa.ohio.gov](mailto:adele.vogelgesang@epa.ohio.gov)
- Division of Surface Water Information Resource Manager:  
Bob Ward - [robert.ward@epa.ohio.gov](mailto:robert.ward@epa.ohio.gov)