Evolution of Electronic Reporting

Christopher Henninger, Supervisor
Surface Water Permits Unit
September, 2019
Electronic Reporting – A Journey

Where Have We Been

Where Are We Going
How best to implement electronic reporting?

Which comes first...?
Permit Coverage – NOI (Phase II)

Discharge Monitoring Report (Phase I)
ADEQ’s Approach:

- Negotiate e-reporting schedule with EPA
- Build permitting path as a complete product
The NOI path provides the information to develop the DMR:

- Customer information
- Monitoring parameters
- Triggers for monitoring
- Monitoring and reporting frequency
Benefits of E-Notice of Intent (NOI):

- Completeness (mandatory fields)
- Business rules to lead customer to permitting requirements (poka-yoke)
- Built in tools for more accurate information
Mapping Tool to Assist Customers with Accurately Locating their Site
Example from Industrial Stormwater Permitting Path to Identify Sector(s)

**AZPDES STORMWATER MULTI-SECTOR GENERAL PERMIT (MSGP) | INDUSTRIAL**

How many acres out of the 5 exposed to stormwater are being used for your primary industrial activity?

Please verify your information, edit if needed and click CONTINUE.

<table>
<thead>
<tr>
<th>Sector</th>
<th>Subsector</th>
<th>SIC/AC</th>
<th># of Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td>G - METAL MINING (ORE MINING &amp; DRESSING)</td>
<td>G1</td>
<td>SELECT ONE</td>
<td></td>
</tr>
</tbody>
</table>

Do you have co-located industrial activities?

Select one, enter the following information (selecting ADD ROW if needed) and click CONTINUE.

- Yes
- No
### Outfall Summary Table

**AZPDES STORMWATER MULTI-SECTOR GENERAL PERMIT (MSGP) | INDUSTRIAL**

**What are the outfall location(s) \(^\circ\) at your facility?**

You can add more points of discharge using the MODIFY NOI option after you have received confirmation of permit coverage.

<table>
<thead>
<tr>
<th>Outfall Name</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Verify on Map</th>
<th>Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example - Central Avenue Landfill</td>
<td>33.423644</td>
<td>-112.075894</td>
<td><img src="#" alt="Locate" /></td>
<td><img src="#" alt="Delete" /></td>
</tr>
<tr>
<td>Outfall #1</td>
<td>33.700822</td>
<td>-112.297044</td>
<td><img src="#" alt="Locate" /></td>
<td><img src="#" alt="Delete" /></td>
</tr>
<tr>
<td>Outfall #2</td>
<td>33.706070</td>
<td>-112.292882</td>
<td><img src="#" alt="Locate" /></td>
<td><img src="#" alt="Delete" /></td>
</tr>
</tbody>
</table>

[Add Row](#)
Interactive Mapping Tool to Assist with Identifying Outfall Location(s)
Monitoring Requirements Generated Based on Customer Input

### AZPDES STORMWATER MULTI-SECTOR GENERAL PERMIT (MSGP) | INDUSTRIAL

Based on the information you have entered, ADEQ has determined that a Discharge Monitoring Report (DMR) must be submitted on July 15, 2020 for your MSGP permit coverage.

<table>
<thead>
<tr>
<th>Outfall Locations</th>
<th>Monitoring Type</th>
<th>Parameter Name</th>
<th>Monitoring Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>OUTFALL #1</td>
<td>BENCH MARK (BM)</td>
<td>SUSPENDED SOLIDS, TOTAL</td>
<td>4 times per year</td>
</tr>
<tr>
<td>OUTFALL #1</td>
<td>BENCH MARK (BM)</td>
<td>CHEMICAL OXYGEN DEMAND (COD)</td>
<td>4 times per year</td>
</tr>
<tr>
<td>OUTFALL #2</td>
<td>BENCH MARK (BM)</td>
<td>CHEMICAL OXYGEN DEMAND (COD)</td>
<td>4 times per year</td>
</tr>
<tr>
<td>OUTFALL #2</td>
<td>BENCH MARK (BM)</td>
<td>SUSPENDED SOLIDS, TOTAL</td>
<td>4 times per year</td>
</tr>
</tbody>
</table>

Do you agree to monitor stormwater discharge(s) from the Outfall(s) listed above, in accordance with MSGP monitoring terms, and submit an annual electronic Discharge Monitoring Report (e-DMR)?
Customer’s Dashboard to Manage Permit Actions

<table>
<thead>
<tr>
<th>View PDF</th>
<th>ID #</th>
<th>Company</th>
<th>Place Name</th>
<th>Type</th>
<th>Exp Date</th>
<th>Status</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>77893</td>
<td>COMPANY1</td>
<td>CENTRAL BUCKEYE WASTEWATER</td>
<td>AZPDES CGP &gt; 5 Acres</td>
<td>NA</td>
<td>ISSUED</td>
<td>Select An Action</td>
</tr>
<tr>
<td></td>
<td>63219</td>
<td>COMPANY1</td>
<td>CENTRAL BUCKEYE WASTEWATER</td>
<td>APP Permit</td>
<td>NA</td>
<td>ISSUED</td>
<td>Select An Action</td>
</tr>
<tr>
<td></td>
<td>63925</td>
<td>COMPANY1</td>
<td>CENTRAL BUCKEYE WASTEWATER</td>
<td>AZPDES Permit</td>
<td>03/26/2020</td>
<td>ISSUED</td>
<td>Select An Action</td>
</tr>
</tbody>
</table>
Historic Paper Filing and Management
### Internal ADEQ Dashboard to Manage Permitted Universe

![Dashboard Screenshot](image-url)

**APPROVED PERMITS**

<table>
<thead>
<tr>
<th>Date Applied</th>
<th>LTF #</th>
<th>Company Name</th>
<th>Facility Name</th>
<th>Application Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/06/2019</td>
<td>78351</td>
<td>DECCO MULTI-FAMILY BUILDERS, INC.</td>
<td>The Oasis at the Wells</td>
<td>AZPDES CGP &gt; 5 Acres</td>
</tr>
<tr>
<td>09/06/2019</td>
<td>78353</td>
<td>A TO Z AUTO PARTS, LLC</td>
<td>A to Z Auto Parts</td>
<td>NEC Waiver</td>
</tr>
<tr>
<td>09/06/2019</td>
<td>78345</td>
<td>CREEKSIDE ENTERPRISES, LLC</td>
<td>80 Canyon Shadows Drive</td>
<td>AZPDES CGP 1-5 Acres</td>
</tr>
<tr>
<td>09/06/2019</td>
<td>78352</td>
<td>JAMES A CAMPBELL CONSTRUCTION DBA CAMPBELL DEVELOPMENT</td>
<td>Dollar Storage Goodyear</td>
<td>AZPDES CGP &gt; 5 Acres</td>
</tr>
<tr>
<td>09/06/2019</td>
<td>78346</td>
<td>SUNDT CONSTRUCTION, INC.</td>
<td>SR 77 Gila River Bridge Replacement</td>
<td>AZPDES CGP 1-5 Acres</td>
</tr>
<tr>
<td>09/05/2019</td>
<td>78337</td>
<td>RICHMOND AMERICAN HOMES OF ARIZONA, INC.</td>
<td>Enclave at Pinelake</td>
<td>AZPDES CGP &gt; 5 Acres</td>
</tr>
<tr>
<td>09/05/2019</td>
<td>78343</td>
<td>VISUS ENGINEERING CONSTRUCTION, INC.</td>
<td>Lincoln Drive</td>
<td>AZPDES CGP 1-5 Acres</td>
</tr>
<tr>
<td>09/05/2019</td>
<td>78336</td>
<td>TINKER DEVELOPMENT LLC</td>
<td>Marlette Ave</td>
<td>AZPDES CGP &lt; 1 Acre</td>
</tr>
<tr>
<td>09/05/2019</td>
<td>78334</td>
<td>GARRETT WALKER HOMES, LLC</td>
<td>Mountain Views</td>
<td>AZPDES CGP &gt; 5 Acres</td>
</tr>
<tr>
<td>09/05/2019</td>
<td>78349</td>
<td>ARMSTRONG DEVELOPMENT PROPERTIES, INC.</td>
<td>O'Reilly Auto Parts</td>
<td>AZPDES CGP 1-5 Acres</td>
</tr>
<tr>
<td>09/05/2019</td>
<td>78339</td>
<td>PCL CONSTRUCTION INC</td>
<td>Germann Rd Reservoir</td>
<td>AZPDES CGP &gt; 5 Acres</td>
</tr>
</tbody>
</table>

**TOTAL APPROVED: 4037**
LTF #: 78351

Applicant Name: MICHAEL WAREING
Email Address: HBWTH@DECCABUILDERS.COM
Is Government: -
Category Code: -
Organization Description: -
LTF Issue Date: 09/06/2019
LTF Expiry Date: -
LTF Status: ISSUED
Application Type: AZPDES CEP > 5 Acres

Company Name: DECCA MULTI-FAMILY BUILDERS, INC.
Company CUST ID#: 95977
Company Phone#: 480-609-3006
Company Fax#: -
Company Address: 16050 N 76TH STREET, SUITE 101 SCOTTSDALE, AZ 85260

Authorization No: ADEQ78351

Construction Site and Facility Information:

Construction Site: THE OASIS AT THE WELLS 33.040268/-112.013503
Facility Name: The Oasis at the Wells
Common Plan Total Acres: No
Section Plan Total Acres: 5.12
Start Date: 12/01/2019
End Date: 01/30/2021
Project Type: Commercial

Is this a request for new permit coverage? Yes
### ADEQ Internal Manager – Pending Actions

#### Pending Requests

<table>
<thead>
<tr>
<th>Date Applied</th>
<th>Request Type</th>
<th>LTF #</th>
<th>Company Name</th>
<th>Facility Name</th>
<th>Application Type</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/03/2019</td>
<td>NEW</td>
<td>78196</td>
<td>MCDOT - CONSTRUCTION</td>
<td>Miller Road - Tonopah-Salome Hwy to Van Buren</td>
<td>AZPDES GSP &gt; 5 Acres</td>
<td></td>
</tr>
<tr>
<td>07/31/2019</td>
<td>NEW</td>
<td>77826</td>
<td>CARDERO COPPER (USA LTD)</td>
<td>Zonia Mine - Cardero Copper (USA) Ltd</td>
<td>AZPDES MSGP Mining</td>
<td></td>
</tr>
</tbody>
</table>

**Total Pending: 2**

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The image shows a screenshot of the ADEQ Internal Manager – Pending Actions webpage. The table displays pending requests with details such as date applied, request type, LTF number, company name, facility name, application type, and status. There are two pending requests as of the date shown. The page includes search functionality and options to view or delete requests.
Benefits to electronic reporting:

- Less paper to manage
- Increases completeness and accuracy
- Easier to manage customer information
- More efficient for customers and staff
- More accurate and timely response

This all Equals **More Mission Outcome**!
Benefit of Electronic Data Submission
Important Considerations When Developing E-Reporting:

- Simplicity for customers and staff
- Obtain voice of customer (VoC) throughout all phases of development
- Wants v. Needs
- Cost
What is Next?

- Timeframes for other builds (2023)
- Other NPDES programs (biosolids, pretreatment, CAFO...)
- Waters of the U.S.
Questions

Contact
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