ATTAINS for the Casual User
May 28, 2020
Overview

• How to Get Access to ATTAINS
• User Roles
• Walk through of the ATTAINS User Interface
• Assessment Cycle Promotion Process
• Finding Data Using ATTAINS Reports
• ATTAINS Data and How’s My Waterway – What data are used and when they appear
How to Get Access to ATTAINS

• State/Territory/Tribal Users need an Exchange Network (CDX) Account (https://cdx.epa.gov/CDX/Login)

• EPA users use their Web Access Management (WAM) or LAN login ID

• Users then provide the following information to the ATTAINS User Administrator:
  
  • **Organization** (the state, territory or tribal name; or the EPA Region; or EPA HQ)
  
  • **User ID** (this is the CDX account for State/Territory/Tribal users, or the WAM/LAN ID for EPA users)

  • **Email address**

  • **First Name**

  • **Last Name**

• State users who want to flow data through the Exchange Network, must also associate their account with the ATTAINS EN Data flow through the CDX Node Helpdesk (nodehelpdesk@epacdx.net).
How Do I Log In?

https://attains.epa.gov/attains/

Sign in with an existing account

State/Tribal Users → Exchange Network → EPA Users

Web Access Management (WAM)

Sign in to authorize access to your account

User ID

Password

Forgot your user ID or password (external users only)?
Roles for State/Territory/Tribal Users

- Read Only
- Data Entry
- Administrator
Roles for EPA Users

- Read Only (lowest level permissions)
- Administrator (mid-level permissions)
- Reviewer (high-level permissions)

For more information about Roles, refer to the “Roles and Permissions in ATTAINS” document on the ATTAINS Public Website, under the “Upload Data” tab: https://www.epa.gov/waterdata/attains
Terminology

• ATTAINS
• Assessment Unit
• Assessment
• Parameter versus Cause
• Actions include TMDLs and other Plans to Restore or Protect the Water
• EPA IR Categories
EPA Integrated Report (IR) Categories

1. Attaining standards

2. Attaining some designated uses, and insufficient or no data and information to determine if remaining uses are attained

3. Insufficient or no data and information to determine if the standard is attained

4. Impaired or threatened for one or more designated uses but not needing a TMDL
   a. TMDL has been completed
   b. Expected to meet standards
   c. Not impaired by a pollutant

5. Impaired or threatened by pollutant(s) for one or more designated uses and requiring a TMDL
   a. Alternative restoration plan in place
Walk-Through of User Interface
Data Promotion Process

• Occurs through ATTAINS User Interface
• Allows users to view data and run reports prior to promotion

<table>
<thead>
<tr>
<th>Draft</th>
<th>Public Comment</th>
<th>Org Final</th>
<th>EPA Action*</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Working dataset</td>
<td>• Snapshot is created for comparison purposes</td>
<td>• Region reviews the data for completeness (checklist)</td>
<td>• Snapshot is created for comparison purposes</td>
</tr>
<tr>
<td>• States can choose to share with EPA</td>
<td>• Regions first access unless data were shared in Draft phase</td>
<td>• Org feels the IR is complete</td>
<td>• EPA identifies each water as accepted, not addressed or deferred</td>
</tr>
</tbody>
</table>

* If list is approved, this is EPA Final Action. If partial approval or disapproval, other steps follow.
State-Controlled Snapshots

**Org. Draft**
- State can view, edit, and batch upload
- EPA can only view, edit, or batch upload if state chooses to share cycle with EPA
- Public cannot view data

**Org. Public Comment**
- State can view, edit, and batch upload
- EPA can view data
- Public can view data through web services

**Org. Final Submittal**
- State considers cycle complete and submitted to EPA
- EPA can view data
- Public can view data through web services and How’s My Waterway
- EPA can return submission to organization after completeness review and organization can promote to this status multiple times
EPA-Controlled Snapshots

EPA Document Decisions

- EPA considers the cycle complete and any further changes will be recorded as overlistings
- Allows state to start work on the next cycle

EPA Final Action

- EPA has completed review of cycle
- Replaces Organization Final Submittal data as the data public can view through web services and How’s My Waterway
# Types of ATTAINS Reports

<table>
<thead>
<tr>
<th>Cycle Summary</th>
<th>Cycle Comparison</th>
<th>Assessment Units</th>
<th>Actions Summary*</th>
</tr>
</thead>
</table>
| • Assessments  
• Uses  
• Parameters  
• Sources  
• Delistings | • Changes at Assessment level  
• Changes at Parameter level | • Missing GIS | • TMDLs  
• Actions |

* Coming Soon
Summary Reports Can Answer…

- How many waters are in Category 5?
- How many waters are Supporting or Not Supporting a specific Use?
- What is the most frequently reported Cause of impairment?
- What water / parameter combos are on the 303(d) list?
- Which parameters were Delisted this cycle?
Comparison Reports Can Answer…

• Which waters have changed EPA IR Category since the prior cycle?

• Which Parameters have changed status since the prior cycle?

• Which Parameters were in Category 5 in the prior cycle and are no longer in Category 5?
ATTAINS Reports Demo
## What Types of ATTAINS Data Appear in How’s My Waterway

<table>
<thead>
<tr>
<th>Types of Data</th>
<th>Location in ATTAINS</th>
<th>When it Appears in HMW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment Unit definitions</td>
<td>Assessment Units module</td>
<td>Cycle promoted to Org. Final Submittal</td>
</tr>
<tr>
<td>(AU ID, Name, Water Type, Size)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Geospatial location</td>
<td>Assessment Units module → Upload GIS</td>
<td>Refreshed at regular intervals for all states promoted to org final since last refresh</td>
</tr>
<tr>
<td>(Displays uses and parameters by group)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Assessment decisions</td>
<td>Assessments module</td>
<td>Cycle promoted to Org. Final Submittal or EPA Final Action</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TMDLs, 4B, Alternatives, Protection Plan Actions</td>
<td>Actions module</td>
<td>Action is finalized</td>
</tr>
<tr>
<td>HMW Metrics</td>
<td>Administration module → Metrics</td>
<td>For 1st release, send to <a href="mailto:mywaterway@epa.gov">mywaterway@epa.gov</a>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>For 2nd release, HMW will be using Metrics info from ATTAINS</td>
</tr>
</tbody>
</table>
How Data Move from ATTAINS to How’s My Waterway Demo
Available from the ATTAINS public website, “Upload Data” tab (https://www.epa.gov/waterdata/attains)

• How to Register for ATTAINS
• How to Sign In to ATTAINS
• Roles and Permissions in ATTAINS
• EPA IR Categories and How ATTAINS Calculates Them
• Features Available in ATTAINS Cycle Summary Reports and Cycle Comparison Reports
Questions?

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