

ICIS/ECHO Update

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Water Protection Forum
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WPP and ITSD ICIS Project

- Department project began in January 2017
 - WPP DMU and ITSD staff
- Project with Windsor Solutions began February 2018
 - Funded by EPA
- New ICIS/NPDES flow in production late November 2018
 - Still supported by Windsor

Basics of the New Flow

- For permit related information
 - Most recent permit instance starting Jan 2017
 - Ex. If permit was renewed or modified since 1/1/17 then that permits information was sent to ICIS.
 - If the most recent permit instance is before 1/1/2017 then that was sent
- For Compliance and Enforcement information
 - Any action that has occurred from Feb 2017 and newer

Basics of the New Flow

- Could not delete ICIS and repopulate
 - Originally wanted to remove MO data
 - Repopulate with major/minor permit information
 - Too much data
 - Too many business rules
 - This would have required millions of records and actions to be resent
 - Instead we repopulate from a point in time forward



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What We Have Accomplished!



ICIS Batch Solutions to Existing Issues

- Created a solution for acceptance of Minimum Levels (ML)
 - If met - MoCWIS sends NODI Code B “Below Detection” to ICIS
- The way we send permit modifications
 - Sent as a permit reissuance
 - Allows for a cleaner exchange of data
 - Less chance for rejection

ICIS Batch Solutions to Existing Issues

- Flow now includes required data elements
 - Compliance tracking start date
 - This was corrected within the schema
 - Permit terminations
 - Previously done manually by staff
 - Compliance/Enforcement information
 - Compliance monitoring inspections
 - Enforcement milestones
 - Single event violations



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What We Still Have to Accomplish!



ICIS Batch Clean-Up

- Inactive parameter codes
 - Some still in use in MoCWIS
- Expired permits that have been modified
 - Violates ICIS business rules
 - Instance at expiration will remain
- Permit clean-up is individualized
 - Cannot be fixed in mass
 - Each permit issue will need to be addressed permit by permit

ECHO Database Changes

- Discontinue use of term “Compliance Status”
 - ECHO will use label “Compliance History”
 - Avoid implication of knowing the current status
- Under Detailed Facility Report
 - Now labeled Three-Year Compliance History by Quarter
 - “Status” has been removed

ECHO Database Changes

- Eliminate the 12-Quarter Violation History grid
 - Ability to display compliance history information by month
 - User will have capability to toggle between the quarterly history display and monthly.
 - Violation period will be labeled “Violation Identified instead of “In Violation”
 - Subsequent periods will read “Violations –Unresolved”
 - Periods of no violation will display as “No Violation Identified”

ECHO Database Changes

- Date of last data refresh will display
 - Typically once per week
- Added ability for the user to display all monthly DMR exceedances in a quarter
 - Currently only the worst monthly exceedance in a quarter displays
- NPDES DMR non-receipt violations
 - Distinguish between received late vs. not at all

ECHO Data Verification

- If you see an integrity issue in ECHO
 - Ask yourself
 - Is your permit effective?
 - Was there a modification after Jan 1, 2017?
 - Does your compliance reflect a difference between before and after Jan 1, 2017?
 - Notify myself or Sheri Rowlett (sheri.rowlett@dnr.mo.gov)
 - We will investigate the issue and do our best to rectify the discrepancy.



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Questions??

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