

# DEPARTMENT OF ENVIRONMENTAL QUALITY

## OFFICE OF INFORMATION TECHNOLOGY

### FY 2005 NEIEN Grant End of Year Report

The Utah Department of Environmental Quality is actively developing its NEIEN node for participation in the EPA NEIEN network.

#### **GOAL #1:**

##### **BUILD AN EXCHANGE NETWORK NODE**

According to specifications written by the EPA, an EN node must support 10 specific primitive web services and the protocol used to pass messages back and forth between network nodes.

**STATUS:** *In December 2005, UDEQ certified its EN node. This certification validated that the node is written to network standards and understands network protocol. Active participation in the NEIEN network will yet require a backend processing engine for each dataflow exchange supported.*

#### **GOAL #2:**

##### **PARTICIPATE IN THE EPA EN TRI PHASE I EXCHANGE**

The EPA maintains a national Toxic Release Inventory (TRI) database. The EPA has defined its EN TRI phase I exchange as reflecting to the associated state by means of the EN network any TRI report it receives from participating private entities in that state. Private entities participate by signing an MOA with the state and thereafter using the EPA developed TRI\_ME software to make TRI submittals.

**STATUS:** *UDEQ is currently designing a node backend engine to support the TRI phase I exchange. Certification target date is February, 2006. UDEQ is simultaneously developing an MOA to partner the exchange with state TRI submitters.*

#### **GOAL #3:**

##### **PARTICIPATE IN THE EPA EN FRS DATA EXCHANGE**

The EPA maintains a national Facility Registry System (FRS) which stores facility identification and location data. The EN FRS data exchange provides for states to update their own facility data in the national registry by way of the EN network.

**STATUS:** *The UDEQ CIM database was originally built to support the EN FRS exchange but it proved problematic. UDEQ is currently designing the node backend engine to process FRS data and researching solutions to replace the CIM database. Windsor has made a presentation on their FP product to UDEQ. FP and other solutions are under consideration.*

**GOAL #4:**

**PARTICIPATE IN THE EN SDWIS DATA EXCHANGE**

The EPA maintains a national Safe Drinking Water Information System (SDWIS) which stores information about public drinking water systems and violations of EPA drinking water regulations. The EN SDWIS data exchange provides for states to submit their SDWIS information to the EPA by way of the EN network.

**STATUS:** *UDEQ has recently installed and tested SDWIS/state. Users are currently being trained on the new software. UDEQ has yet to design a node backend engine to support this exchange.*

**GOAL #5:**

**CLEAN UTAH**

Design and build a three level program after the fashion of the EPA Performance Track environmental leadership program.

**STATUS:** *UDEQ has built and put in production levels 1 and 2 of its 3 level program named Clean Utah. Level 3 is currently being designed.*