

SEAGATE: A STORET extension for Ohio's Ambient Ground Water Monitoring Program

M.W. Slattery, Kenah, C.K., Slattery, L.S. and Eggert, M., Ohio Environmental Protection Agency, Division of Drinking and Ground Waters, Columbus Ohio, (614) 644-2752, michael.slattery@epa.state.oh.us

Ohio EPA's Division of Drinking and Ground Waters recently completed the migration of its long-term Ambient Ground Water Monitoring Program (AGWMP) data to modernized STORET. This move necessitated creating an extension to STORET to manage program and network attributes not currently available in STORET, but deemed necessary for managing the AGWMP. The most important of these additions are: 1) station histories, in which attribute changes over time are logged; 2) station status criteria, used to develop sampling schedules; and 3) ArcView GIS layer information. Also managed in this new module are miscellaneous geologic, lithologic and other well- and facility-specific attributes.

Storet Extension for Ambient Ground Water (SEAGate) consists of a client server application (GUI) and the associated underlying ORACLE tables and views. The tables are designed to follow the STORET ERD. Upon opening the application, all AGWMP project, station and well header information are queried from STORET and loaded into SEAGATE. The application serves as a data entry and editing module for the underlying SEAGATE tables, and no data are written back to STORET. Reports are being written so Ohio EPA district geologists can access the data in concert with STORET. The most significant of these reports will be the sample projection report which evaluates the status, sampling history, and other criteria for each facility/well combination, and generates a well sampling schedule (for both inorganic and organic samples) for each Ohio EPA district and sample cycle. The AGWMP district coordinators can then use this scheduling tool to create a more exact timetable to best direct field staff efforts.