



Solutions



Benzene Emissions

Directive 039 - Dehydrator Engineering and Operations Sheet (DEOS)

On July 10, 2006, the Alberta Energy and Utilities Board (now the Energy Resources Conservation Board - ERCB) issued Directive 039. This is a revised program to reduce benzene emissions from glycol dehydrators. Directive 039 has “established mandatory requirements to ensure continued reductions of benzene emissions to reduce potential impact on the public”. These new requirements were in effect on January 1, 2007.

In response to Directive 039, Maxxam is now offering DEOS graph creation as part of our full service commitment to our clients to meet the requirements of the directive. Analysis is required and available for both operating and non-operating dehyds. Maxxam is introducing a web-enabled interface which allows our customers to submit information on-line. This controlled environment ensures accuracy, legibility and data quality through validations built into the forms, thus reducing errors and omissions to the lowest possible level.



ERCB Requirements

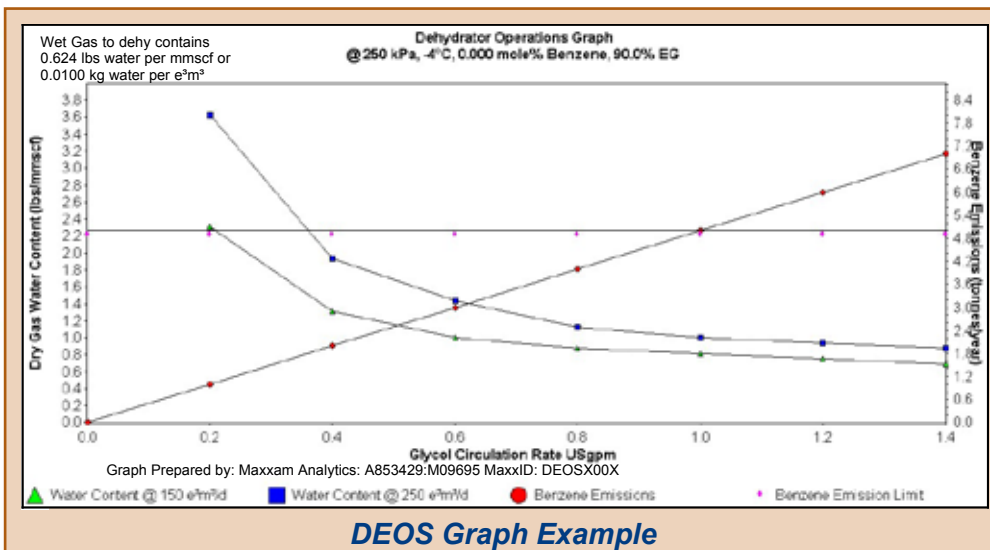
- Licensees must complete a DEOS sheet for each dehydrator. DEOS are required for all dehydrators (DEHYs).
- The DEOS must be revised annually, upon relocation or after a change in status.
- The DEOS must be posted at each dehydrator for use by operators and inspection by the ERCB.
- The DEOS summarizes the optimum conditions for reducing benzene emissions.
- Licensees must complete and submit an Annual Dehydrator Benzene Inventory of all of the licensees' dehydrators including: Operating, Shut-in, OAS...etc.

Please turn over for:

The Maxxam Advantage, DEOS Graph Example, How to Contact Us

The Maxxam Advantage

Key Features	Benefits for our Customers
Electronic entry forms including web-enabled information forms and reporting	Ensures accurate data capture and delivery
Built in data validation that includes but is not limited to:	
Smart list for pump specifics - Our electronic entry system maintains an up-to-date Smart list of all of the most common pumps used in the industry	Ensures the most accurate pump information possible is recorded
Electronic Data inter-relationship checks and warnings	Our data entry validations have checks built into the exit routines that prohibit most data entry errors or warn the user against possible errors
Standardized reporting practices - The Maxxam report presentation is standardized such that all graphs are modeled according to the requirements of the directive	Ensures a consistent reporting format and usability from one year to the next
A data based application:	
Data recall making reporting of non-operating DEHYs a snap once the initial data collection has occurred	Ability to report back to the customer that info supplied the previous year reducing the seasonal burden of data collection
The ability to produce a graph that is 100% compliant with the ERCB Directive including content, presentation and modeling	Confidence that your graph and data is compliant with ERCB
Experienced staff available for End-to-End customer service including Data collection, Sample Collection, Emissions Modeling, Graph Production and Annual DEHYdrator Inventory List	Full service in-house eliminates the need for costly third-party data handling



For more information about Benzene Emissions and DEOS Sheets, or any other of Maxxam's Petroleum Testing Services please contact our **Petroleum Technology Center** at (780) 378-8500.

BC / NT

Burnaby, Fort St. John, Yellowknife
(800) 440-4808

Alberta

Calgary, Edmonton, Fort McMurray, Grande Prairie, Red Deer, Stettler
(780) 378-8500

Ontario

Mississauga, Guelph, Burlington
(800) 563-6266

Quebec

Montreal
(877) 462-9926

Atlantic Canada

Bedford & Sydney, NS
St. John's, NL
(800) 565-7227