

Natural Resources Committee September 6, 2011

Lynn D. Helms, Director
Department of Mineral Resources
North Dakota Industrial Commission

North Dakota 1422 Program Description

- O The state of North Dakota received program implementation primacy in 1984, and has since operated in an EPA-approved UIC program. Amendments to the Federal UIC program on December 10, 2010 have resulted in the revision of the state UIC rules and program description.
- O The North Dakota Geological Survey, a division of the Industrial Commission Department of Mineral Resources, has authority to regulate Class III injection wells, as identified, under Chapter 38-12 of the North Dakota Century Code and *Chapter 43-02-02.1* of the North Dakota Administrative code.
- O The North Dakota Geological Survey, a division of the Industrial Commission Department of Mineral Resources, has authority to regulate subsurface mineral exploration, development, and production under Chapter 38-12 of the North Dakota Century Code and *Chapter 43-02-02* of the North Dakota Administrative code.



Regulatory challenges of subsurface mineral program

- O Public acceptance
- o Funding
- 0 Regulatory revision

2011 Legislature authorized 1 FTE Geologist to supervise the program Position has been advertized and hiring process is under way

NDAC 43-02-02-01 through 43-02-02-50 need to be modernized. Last update was August 1, 1986

NDAC 43-02-02.1-01 through 43-02-02.1-19 need to be modernized. Last update was March 1, 1984

0 Permitting and Site selection:

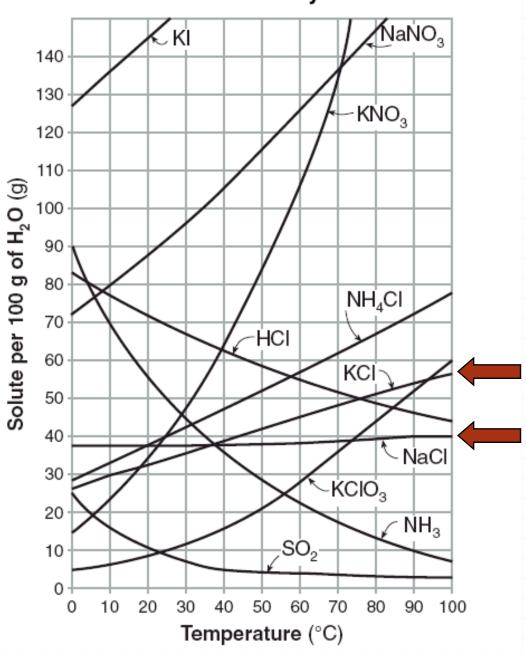
Geology

Surface facility and pipeline spill prevention

Protecting Underground Sources of Drinking Water

Belle Plain tour

Table G Solubility Curves



Mosaic Potash Plant Belle Plaine, Saskatchewan









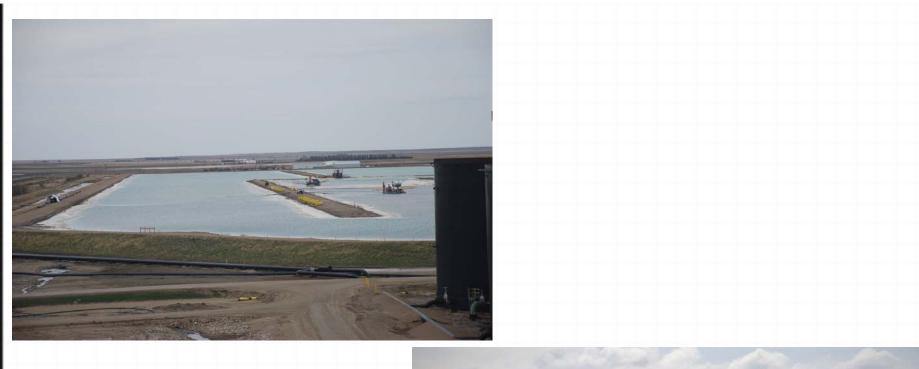
















Mosaic Potash Plant Hersey, Michigan

