Proposed Change to MgO Emplacement

DOE/EPA Technical Exchange Meeting

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MgO History

- Feb 11, 2008 Reyes to Moody letter
  - Maintain 1.2 Excess Factor by room
  - Reactivity 96% $\pm$ 2 mole % (>94%)

- Historic Room Excess Factors range from 1.22 to 2.85.

MgO Emplacement Process

- Process will ensure MgO is emplaced based on CPR content.
  - Excess Factor, as a function of CPR, calculated at the end of each shift.
  - Depending on disposed waste stream, emplacement scheme may vary.

MgO Emplacement Process

- Primary Emplacement Options to be Determined:
  - Placement will be consistent with previous MgO reduction PCR analyses.
    - Every other row
    - Every Row
- WTS Operations is developing an emplacement procedure.

DOE Plans

- Notify EPA of this change in WIPP's next Annual Change Report [4(b)(4)], to be issued in November 2012 (covering the period July 1, 2011 to June 30, 2012).