

May 26, 2010

8120-2000/2200-32640-02

Murray Reynolds, P. Eng.
Production Engineering Specialist
RPS Energy Canada Ltd.
1400, 800 – 5th Avenue S.W.
Calgary AB T2P 3T6

Dear Mr. Reynolds:

**RE: WATER INJECTIVITY TEST
GREAT PLAINS ET AL SUNRISE 10-24-78-17 (WA# 19319); PADDY AND
CADOTTE FORMATIONS**

Commission staff have reviewed your application, dated May 10, 2010, requesting permission to conduct a temporary injectivity test into the Paddy and Cadotte formations of the subject well.

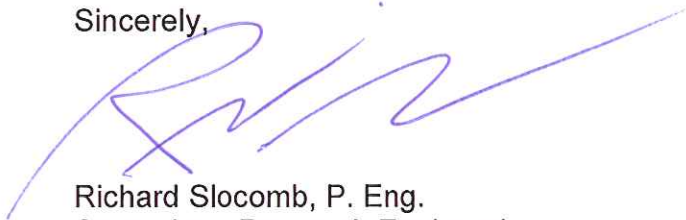
Circumstantial evidence would indicate that this location is prospective for water disposal in the Paddy and Cadotte formations. Injection and production tests will determine suitability for disposal operation. The Commission encourages RPS to design their injectivity test to enable an estimation of formation fracture gradient.

Approval for temporary injectivity testing is hereby granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*, subject to the following conditions:

1. The test injection interval must be within the Paddy and Cadotte formations.
2. The total volume of injected water must not exceed 500 m³.
3. A production test must be attempted to evaluate hydrocarbon potential.
4. The disposal/injection pressure at the sandface must not exceed the formation fracture pressure.

Please note that notice of an application for produced water disposal will be posted to the OGC website, for any objections to be filed.

Sincerely,



Richard Slocomb, P. Eng.
Supervisor, Reservoir Engineering

cc: Randy Wolsey, Orefyn Energy Advisors Corp.