



July 14, 2003

9000-4800-32640-02  
OGC - 03182

John G. Addy, B.Sc., CEM  
Environmental and Regulatory Representative  
CCS Energy Services  
Western Gas Tower  
24<sup>th</sup> Floor, 530 - 8 Avenue SW  
Calgary, AB T2P 3S8

Dear Mr. Addy:

**RE: APPLICATION FOR APPROVAL OF DEEP WELL DISPOSAL  
SALT WATER AND NON-SPECIAL WASTE  
CCS SILVERBERRY 16-7-88-20 W6M (WA 15311)**

This refers to your applications dated December 18, 2002, and March 12, 2003, requesting permission to dispose of produced salt water and non-special waste into the Halfway Formation of the subject well.

It is noted that the Ministry of Water, Land and Air Protection (MWLAP) has issued Permit PE-17347 on June 11, 2003 identifying the effluent and maximum rate of injection of non-special waste under the provisions of the Waste Management Act.

The subject well appears to be a good candidate for produced salt water and non-special waste disposal in the Halfway Formation. Notice of your application was published in two issues of the BC Gazette with July 10, 2003 being the last date for any valid objections. As no written objections were received, your application is approved.

Attached please find Approval 03-02-007 for the application granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation* for the Halfway Formation.

Yours sincerely,

Craig Gibson, P.Eng.  
Manager  
Reservoir Engineering and Geology

Attachment

Approval Letters to Industry  
GEP, SWD, CONCURRENT PROD,  
PRESSURE MAINTENANCE,  
WATERFLOOD, ETC.

Copy 10

- Wellfile (originals)
- 59240
- Daily
- Resource Revenue
- S. Chicorelli
- R. Stefik
- G. Farr
- P. Attariwala
- C. Gibson
- D. Krezanoski

**ENGINEERING AND GEOLOGY BRANCH**

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**APPROVAL 03-02-007**

**THE PROVINCE OF BRITISH COLUMBIA  
PETROLEUM AND NATURAL GAS ACT  
DRILLING AND PRODUCTION REGULATION  
OIL AND GAS COMMISSION**


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IN THE MATTER of a scheme of CCS Energy Services (CCS) for Salt Water and Non-Special Waste (SW/NSW) disposal in the Halfway formation in the well CCS Silverberry 16-7-88-20 W6M (WA# 15311).

NOW, THEREFORE, pursuant to Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*, the SW/NSW disposal scheme is hereby approved, as such scheme is described in

*applications from CCS to the Commission dated December 18, 2002 and March 12, 2003.*

1. The salt water and non-special waste disposal interval must be in the Halfway formation.
2. A record of volume of SW/NSW disposed of through this well must be included on a Monthly Injection/Disposal Statement, in the prescribed form (BC-S18), which must be submitted to the Oil and Gas Commission not later than the 25th day of the month following the reported month.
3. The salt water and non-special waste disposal must be in accordance with the approval conditions of Permit PE-17347 issued on June 11, 2003 by the Ministry of Water, Land and Air Protection.
4. The disposal/injection pressure at the sandface must not exceed the formation fracture pressure.
5. This approval may be modified or rescinded if deemed appropriate through a change in circumstances.

  
Craig Gibson  
Manager  
Reservoir Engineering and Geology  
Oil and Gas Commission

DATED AT the City of Victoria, in the Province of British Columbia, this 14<sup>th</sup> day of July 2003.