



March 11, 2003

2400-4100-32640-02
OGC – 03065

Richard VanAppelen
Canadian Natural Resources Limited
2500, 855 - 2nd Street SW
Calgary AB T2P 4J8

Dear Mr. VanAppelen:

**RE: APPLICATION FOR SALT WATER DISPOSAL
CNRES BUICK a-30-H/94-A-14; WA# 12621**

The Commission has reviewed your application dated January 31, 2003 requesting permission to dispose of produced water into the Baldonnel Formation of the subject well.

We concur that the subject well appears to be a good candidate for salt water disposal into the Baldonnel Formation. Notice of your application was published in two issues of the *British Columbia Gazette*. As no written objections were received, your application is approved.

Attached is Approval 03-02-003 for the application, granted under Part 8, Division 3, Section 94 of the *Drilling and Production Regulation*.

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

<input type="checkbox"/>	Wellfile (originals)
<input type="checkbox"/>	59240
<input type="checkbox"/>	Daily
<input type="checkbox"/>	Resource Revenue
<input type="checkbox"/>	S. Chicorelli
<input type="checkbox"/>	R. Stefik
<input type="checkbox"/>	G. Farr
<input checked="" type="checkbox"/>	P. Attariwala
<input type="checkbox"/>	C. Gibson
<input type="checkbox"/>	D. Krezanoski

ENGINEERING AND GEOLOGY BRANCH

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APPROVAL 03-02-003

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

IN THE MATTER of a scheme of Canadian Natural Resources Limited (CNRL) for Salt Water Disposal (SWD) in the Baldonnel Formation in the well CNRES Buick a-30-H/94-A-14 (WA# 12621).

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

an application from CNRL to the Commission dated January 31, 2003.

1. The water disposal interval must be in the Baldonnel Formation.
2. A record of volume of salt water 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 disposal/injection pressure at the sandface must not exceed the formation fracture pressure.
4. 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 11th day of March 2003.