



June 29, 2006

Mr. Pete Millman
Environmental Planner
Devon Canada Corporation
2000, 400 - 3 Avenue, S.W.
CALGARY, AB T2P 4H2

Dear Mr. Millman:

2005 ITIGINKPAC F-29 SUMP MONITORING PROGRAM REPORT

Thank you for your submission in November 2005. The Northwest Territories Water Board has reviewed the above 2005 Itiginkpac F-29 Sump Monitoring Program Report and requires the following information:



- Devon concludes that there is a possibility that some migration has occurred from the sump. It is hypothesized that the results observed can be attributed to an increase in saline water entering the sump given its location in the Mackenzie Delta. Is Devon suggesting that saline waters from the Mackenzie River are entering the sump during periods of flood? Given its location in the Mackenzie Delta, it is highly unlikely that the Mackenzie River adjacent to the F-29 site would exhibit high salinity. Could Devon provide their rationale for coming to this conclusion.
- In their summary, Devon states that the chemistry of the waste show no concerns for onsite freeze down and burial. However, previous to this, Devon states that temperatures observed at the control site indicate that the sump contents may not be frozen. Could Devon clarify these contradicting statements? The background temperatures at the site are above the temperatures Devon states are needed to freeze the sump contents (-4 to -5 degrees). Therefore it appears that the sump contents will not remain frozen at depth.
- In the EM survey report it is stated that elevated response trends suggest potential contaminant dispersion towards the east from the southeast side of the sump. From the map, it appears that contaminants are migrating away from the sump to the southwest, not towards the east. Could Devon clarify this contradiction?

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The Board is requesting that the required information be submitted for review within ninety (90) days of the date of this letter.

If you require further assistance, please contact this office. For inquiries of a technical nature, contact Ms. Sarah Aho at (867) 669-2402 or Dr. Kathleen Racher at (867) 669-2749 of the Water Resources Division.

Sincerely,



Gordon Wray
Chairman
N.W.T. Water Board