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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI

MEMORANDUM

On Tuesday, **June 30, 1998** in the morning at 9:00 (MT), 10:00 (CT) or 11:00 (ET), we will have a conference call. You can connect to the conference by dialing this toll free number **1-867-920-7209**, which will be answered by a recording giving you instructions to punch in your pin number for this call, the number is, **4401** followed by the # key to the right of the 0.

Please do not hesitate to call the office for clarification, at the above number.

Sincerely,

Dionne Filiatrault

Pelly Bay Conference Call Notes
June 30, 1998 9:00 AM (MT)

Attendees:

Dionne Filiatrault, NWB
Marla Limousin, SAO Pelly Bay
Gacton Tsaktaun, A/SAO Pelly Bay
Guido Tigvarvark, Hamlet Foreman Pelly Bay
Carey Oglivie, Environment Protection
Ed Collins, Environment Protection
Paul Smith, INAC Iqaluit
Terry Brookes, MACA Yellowknife
Lisa Dyer, RWED Yellowknife

Invited but unable to attend:

Robert Philipps, SEHO Kitikmeot Region
Robert Eno, RWED Iqaluit
Sevn Bohnet, INAC Yellowknife

The conference call was called by the NWB to discuss and clarify issues raised by various parties during the review process for the municipal water licence application filed by the community. The following is a review of the items discussed:

1. Sewage Lagoon Dyke:

- Concerns were expressed by DFO and EC regarding the dyke failure reported in the application, specifically referred to the Inspectors report dated Aug. 15, 1997 which stated that a breach occurred in June 1996.
- Terry Brookes raised the question as to the apparent cause of the breach? Marla Limousin responded that the breach was due to over capacity as a result of high snow melt. The pressure of runoff created a 2 ft D x 3 ft W breach which was repaired immediately. The community thickened up the berm, made the dyke in the breach area using gravel sources similar to that used in construction.
- Paul Smith provided insight that no flash flooding occurred this year.
- Terry Brookes said that the lagoon was upgraded 8 years ago and believed that the current facility had somewhere between 5-10 years design left.
- Through ongoing monitoring and maintenance the community believes they can prevent further breaches. As a side note Marla believes that a future road alignment project may also assist in directing drainage away from the site thus reducing the amount of runoff.
- Carey Oglivie requested clarification on the terrain from the point of discharge to the marine environment. Paul Smith explained that the terrain was a steep slope with a lot of vegetation, ponding occurs in places but overall the effluent has a long residence time prior to entering the marine environment.
- Clarification was given by Marla Limousin that the community no longer operates a honey bag pit.

2. PCB Contamination at DEW line site
 - Dionne provided an overview of the information provided with regards to PCB contamination at the DEW line site. Water sampling was done by RMC in Kingston on the drinking water in Pelly Bay. All results appear to be below CDWQG. It was reported in 1995 that the highest concentration of PCB's at the site was 5.5 ppm (50 ppm is the level regulated under the CEPA, a criterion of 5 ppm is considered protective of residential parkland areas and at the lower site PCB was 2.9 ppm at Barrow Lake.
 - Ed Collins provided clarification that the reported 5.5 ppm was the conc. in soil samples. The DEW line clean up protocols is 1 ppm. Water samples showed levels at less than 1 ppm.
 - It is likely that the concerns has presented by community representatives will not resolved until such a time as the actual clean up takes place which is scheduled for sometime between the year 2000 and 2003
 - Dionne pointed out that while this concern is not directly related the municipal water licence application the NWB has been receiving concerns from the public for the last two years and thought some discussion of the matter would be useful.
3. Lack of drawings / Lack of Baseline information
 - Several concerns were raised during the review over conflicting information and lack of proper drawings provided in the application. Dionne explained that information was not available within the community and the NWB had very limited data in its files. This section or request for additional information was sent to MACA to respond to and from what I can conclude they do not have drawings either otherwise they should have provided them to the community. Dionne also suggested that if other organizations have studies or documents which directly relate to Pelly Bay they should forward copies to the municipality.
 - With regards to Baseline information the community is also going to be establishing a computer program to maintain baseline information.
4. Waste Oil Pit
 - During the review process Carey Oglivie requested clarification on waste oil storage and treatment within the community.
 - Dionne explained that the community stores waste oil in barrels which area stores neatly on wooden platforms in an area segregated near the solid waste facility.
 - Marla went on to add that the community purchased a waste oil furnace with NTPC. In all the community in conjunction with NTPC generate approx.25-30 barrels of waste oil. Marla explained that the community will benefit from this program in the long term.
5. Salt Water Intrusion
 - Dionne explained that the community made improvements to the intake in an attempt to address re-occurring problems with salt water intrusion. Marla Limousin went on to provide details on the improvement and made note that the community did not experience problems with salt water intrusion this year. The community does not have a salt water intrusion alarm.

-Terry Brookes provided some history and stated that the community in the past has pumped water from the surface directly into the truck. Marla indicated that the community then has problems with Crypto-sporidium which then raised public health concerns. Marla further went on to explain that the regional position was to wait until the problem was addressed for the community of Kugluktuk.

6. Chlorination of Drinking Water supply

- Bob Phillips raised concerns with chlorination of the drinking water supply in the community, i.e. lack of regular treatment.
- Paul Smith suggested UV treatment as an alternative to chlorination. Terry explained that to modify the system would require a redesign of the truckfill station.
- Marla raised concerns associated with chlorination and a study which discussed THM values. Terry emphasized the importance of providing verified technical information to the communities, it is important not to generalize. The benefits of chlorine far outweigh concerns.

7. Burning of Garbage

- Dionne explained that all the communities are getting varied opinion on the burning of garbage at community landfills. The community needs clear direction.
- Public Health in their review stated that burning generates toxic gases and is discouraged. Ideally the waste should be compacted and backfilled but due to a shortage of cover material an occasional burn is tolerated as long as the prevailing wind direction is away from the community.
- Marla elaborated on the situation in Pelly Bay. There is no gravel supply. Last summer the community did not burn, and Arctic Airports telephoned due to problems with bird strikes. Currently the landfill is segregated metal waste, animal carcasses, wood, and general waste. A fence is proposed this summer, to reduce wind blown debris.
- Paul Smith indicated that with limited gravel source, burning is the only way to control waste by not burning ice lenses reduce capacity and water logs burnable paper materials.
- Terry Brookes explained that with burning the site could last up to 5 years.
- Lisa Dyer stated that RWED policy is the only products which can be burned are paper products and untreated wood products.
- Decision was reached that the issue could not be resolved and that the NWB should take the lead in setting up a working group to discuss the issue. The NWB should request participation from Public health, RWED, DIAND, EC, GNWT-MACA, DOT(Leslie Green), etc...

Meeting closed at 10:40 AM (MT)

Any questions or clarification of these notes should be made to Dionne Filiatrault, Technical Advisor NWB at 867-360-6338 or by fax at 867-360-6369/