

**EMAB Board Meeting – Phosphorous101**  
**Monday, May 13<sup>th</sup>, 2002**

**EMAB Office, Yellowknife, NT**

**Present:**

Robert Turner, Chair, North Slave Metis Alliance

Floyd Adlem, Vice-chair, Government of Canada

Doug Doan, Secretary-Treasurer, Government of the Northwest Territories

Johnny Weyallon, Dogrib Treaty 11 Council

Erik Madsen, Diavik Diamond Mines Inc.

Florence Catholique, Lutsel K'e Dene First Nation

Angus Martin, Yellowknives Dene First Nation (alternate)

Alex (Sandy) Buchan, Kitikmeot Inuit Association

John Morrison, Government of Nunavut (alternate)

**Staff:**

Kirstie Simpson, Executive Director, EMAB

Ryan Crago, GeoNorth (minutes)

**Absent:**

Paul Partridge, Government of Nunavut

Lawrence Goulet, Yellowknives Dene First Nation

**Guests:**

Tim Byers, Yellowknives Dene

Anne Wilson, Environment Canada

Neil Hutchinson, Gartner Lee

Steve Mathyk, MVLWB

Karl Lauten, MVLWB

Sevn Bohnet, DIAND

Pete McCort

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Robert Turner – Departs 9:15am

Opened at 9:30am with prayer by Florence Catholique

## **Phosphorous 101 – Nutrient Loading in Lac de Gras**

The goal of this meeting is to provide EMAB Board Members with an overview of the importance and relevance of phosphorous in the Lac de Gras ecosystem, in the context of the request by Diavik to amend their current water license with the MVLWB.

Diavik is requesting to change their method of reporting phosphorous levels in Lac de Gras from concentrations, to total loading of phosphorous. This issue will be discussed in depth tomorrow, May 14<sup>th</sup>, at the Diavik Technical Committee meeting.

Neil Hutchinson opens by giving a brief synopsis of phosphorous and its' properties, stating that phosphorous is non-toxic and serves as a limiting nutrient, along with Nitrogen and Carbon, for the reproduction of algae. Therefore, increasing phosphorous will increase algae content of the lake.

In this context, an increase in phosphorous can therefore be linked to reactions in the lake:

- 1) Clarity of the lake – the clarity of the water will be reduced with an influx of algae.
- 2) Increased algae results in an increase in food for consumers.
- 3) As algae die and decompose, it can 'choke' the lake, using up dissolved oxygen in the decomposition process.

Neil supports the concept of changing to load reporting from concentrations, except he feels it could be more difficult to judge cumulative status, because of the possibility of bulk loading at certain times during the year.

What is “Loading”?

- Loading is calculated by multiplying the volume of water discharged by the concentration of the element in the water.

Why is Lac de Gras unique?

- Pete McCort responds by describing Lac de Gras as “Ultra-Oligotrophic”, meaning that it is extremely unproductive.
- Neil adds that the combination of size and the water quality of the lake also make it unique.
- Lac de Gras is described as a headwater lake, and is a multi-basin water body.

Could phosphorous effects be minimized through deep discharging?

- Neil explains that Lac de Gras is relatively well mixed, due to a lack of temperature stratification, as well as wind exposure. Therefore, the depth of phosphorous discharge would be irrelevant.

Is lake clarity purely aesthetic?

- In this case, probably. Only in extreme cases will algal growth reduce available light below the water surface. This is not a prediction for Lac de Gras.

Will the reduction of dissolved oxygen be an issue to fish populations?

- It is currently not an issue, and DDMI does not predict that it will be.
- Lake Trout are the most sensitive species to oxygen levels, because they prefer cool water, and require high oxygen concentrations.
- Pete adds that as far as fish populations go, more importantly may be the concentration of dissolved solids because the lake is so dilute.
  - Fish in general spend approximately 20% of the day pumping water. In the case of Lac de Gras, it is probably more.
  - There are few whitefish in Lac de Gras because of their lack of osmo-regulatory functionality.
  - This project could be helpful to fish, by supplying them with more energy for reproduction etc.
- Sevn adds that a consideration should be what happens once the mine is closed. Fish will lose some of their food source as phosphorous discharge is turned off.

Are there any other oxygen issues?

- Possibly. Lake trout spawn on rocky shorelines, specifically in small cracks between the rocks. An increase in visible algae on rocks may ‘choke’ the eggs because of their oxygen usage in decomposition.

What is the turnover of water in Lac de Gras?

- Will know more after 10 to 20 years of monitoring.
- Currently estimated to turn all water over in 10 years.
- Comparing this to lakes of similar size, Lac de Gras should retain approximately 76% of its' phosphorous.
- Anne believes this to be a conservative estimate, citing an arctic lake example that had 90% retention in sediments.

**Break-10:40 am****Robert Turner Returns – 10:55am****Reconvened 11:00am**

If Lac de Gras is so well mixed, why is phosphorous concentration so high in the east bays?

- The east part of the lake is considerably more sheltered than the rest of the lake, because of islands.
- The DDMI discharge location is a continuous point source.

Sevn leaves 11:10

How does the addition of nitrogen affect the system?

- Nitrogen could become the limiting nutrient factor if there are high phosphorous levels.
- Neil cites Dr. Schindler from the University of Calgary, who does not believe that nitrogen will be a factor in this system.

How are phosphorous levels measured?

- Water sampling is done at various Lac de Gras sites every 6 days (60 times per annum) and sent to a commercial lab for testing.
- Erik Madsen explains the difficulty of measuring low levels of phosphorous, and that DDMI have been testing the accuracy of the commercial labs, with samples of known content and placebo samples.
- DDMI using samples from Lac Sauvage for baseline studies.
- Neil suggests that samples would more accurately reflect true phosphorous levels if they were composite samples. For example, taking monitoring samples everyday, and mixing them together on the 6<sup>th</sup> day for lab testing.
- Pete suggests DDMI use a cumulative approach in reporting monthly phosphorous levels. This could be in the form of a histogram, with basic linear regression to extrapolate date when maximum loading will be reached.

What levels of phosphorous will lead to problem algal growth?

- It varies depending on the situation and lake location.
- Problems usually occur at 20 micrograms/litre of phosphorous, but problems have occurred as low as 6 micrograms/litre.
- It is known that phosphorous does increase algal growth, but all of the mechanisms of algal growth are unknown.
- It is noted that DDMI sample algae in April and August of each year.
- Neil does not believe an increase to 6.5 microgram/litre will have any visible or detrimental effect on Lac de Gras.

Will algal sedimentation have any sort of effect on wildlife near the dyke?

- Possibly, but no one will know until a few years of monitoring exercises are complete.
- May also depend on lake currents.

Should we be concerned with seasonal discharge?

- Neil explains that this should not be a problem, and that it is expected larger loadings to occur in the earlier years because of construction and increased sewage through the construction phase.
- Sewage should be reduced once operation begins, and the mine water will be the main source of phosphorous.

**Lunch Break – 12:00pm**

**Reconvene at 1:35pm**

**Guests have departed, except Pete and Tim**

**Johnny Weyallon arrives – 1:35pm**

Robert Turner opens the floor for a general discussion on phosphorous and EMAB's position on the amendment, and involvement with the Diavik Technical Committee.

Tim Byers departs – 1:50pm

Erik Madsen summarises what will be covered in the DTC presentation by Diavik.

<b>Agenda Item</b>	<b>Discussion / Recommendation</b>	<b>Action</b>
<p>EMAB’s position on water license amendment</p>	<p>Robert Turner opens the floor for a general discussion on phosphorous and EMAB’s position on the amendment, and involvement with the Diavik Technical Committee.</p> <p>Tim Byers departs – 1:50pm</p> <p>Erik Madsen summarizes what Diavik will cover in the DTC presentation, including both the pH and phosphorous amendments.</p> <p>There was some discussion concerning the technology and performance of the sewage treatment plants at the mine site. Erik Madsen explains that these are state of the art facilities, and that during the construction phase of the project, it is difficult for these facilities to operate at maximum potential because of the fluctuations in staff etc at the mine site.</p> <p>It was noted that EMAB could play a key role in expanding the scientific knowledge of Lac de Gras, so that in time, DDMI and EMAB are both in a better position to make predictions and recommendations.</p> <p>Pete McCort suggests that a graduate study project could be co-funded by DDMI and could lead to significant information. EMAB could facilitate this. This information would also be highly valuable outside of the NWT.</p> <p>It was suggested by Robert Turner that this opportunity be undertaken by a science-based group taking aboriginal kids to the site and having them help with the study.</p>	

**Break – 2:55pm**

**Reconvene – 3:20pm**

<p>EMAB’s Role in DTC</p>	<p>Robert Turner suggests that the Board formalize their relationship with the Diavik Technical Committee.</p> <p>There was some discussion on the Boards’ role with respect to the Environmental Agreement, the DTC, and the MVLWB. It was decided that EMAB should function outside the regulatory framework, and should not be a member of the DTC. The Board should, however, remain as observers of DTC proceedings.</p> <p><b>Motion #1-02-05-13</b>                  To inform the Diavik Technical Committee that the Board appreciates the opportunity to participate as observers in DTC proceedings.  <i>Moved:</i> Doug Doan  <i>Seconded:</i> Johnny Weyallon  <i>Carried:</i> Unanimously</p>	<p>Chairman to inform the Diavik Technical Committee chairman of the Boards’ participation in the DTC informally at May 14<sup>th</sup> meeting.</p>
<p>Review of Agenda for May 15<sup>th</sup> Board Meeting</p>	<p>It was decided that approving minutes will be at the top of the May 15<sup>th</sup> agenda.</p> <p>It was suggested that the Board send a letter to DDMI thanking them for their presentation on May 7<sup>th</sup>. It was decided that the Board will also reiterate in the letter its’ mandate, and that it is different than the public. Will also include that specific comments on report/presentation are provided in the minutes of the meeting.</p>	<p>Executive Director to compose letter to DDMI thanking them for their May 7<sup>th</sup> presentation to the Board.</p>
<p>Annual Report</p>	<p>Floyd Adlem distributed a draft outline of the Annual Report for the Board members to review prior to the May 15<sup>th</sup> meeting. Floyd also requires photos of Board members.</p>	
<p>Seeking Legal Representation</p>	<p>There was some discussion on soliciting the services of a lawyer for the Board, and the proper protocol in doing so.</p> <p><b>Motion #2-02-05-13</b>                  That the Board acquires a legal advisor and that the Executive Director solicits expression of interest.  <i>Moved:</i> Floyd Adlem</p>	

	<p>Seconded: Erik Madsen</p> <p><i>Discussion:</i> It was suggested that the lawyer be brought before the Board before final decision is made.</p> <p><i>Carried:</i> Unanimously</p>	
Status of Board Members' Computers	<p>Kirstie Simpson noted that the offices' current provider, ArcticData, has recently changed hands, and their service has depreciated considerably. Would like to change providers and go to high-speed access.</p> <p>Johnny Weyallon to pick up his computer as soon as possible.</p> <p>It was noted that USB cords were not included in any of the computer packages.</p>	<p>Executive Director to research server change.</p> <p>Executive Director to get USB cords from supplier.</p>
Status of Capacity Fund Reporting	<p>It was noted that the Board requires financial accounting before going ahead with next years' funds.</p>	

**Adjourned informally at 4:24pm.**



## EMAB Notes of Diavik Technical Committee Meeting

Tuesday May 14<sup>th</sup>, 2002

Agenda Item	Discussion / Recommendation	Action
Greetings and Introductions, Outline of Goals of Meeting	<p>Karl Lauten opens the meeting at 9:10am. Karl noted DTC Terms of Reference to be used. Opportunity for everyone to comment and question. DDMI to provide rationale for request. Objective is for DTC to prepare a draft advisory to the Board to contain recommended wording and any conditions. If at end of day, consensus is not reached, DTC will meet alone without observers to make final draft. All points of view will be provided to Board.</p> <p>Robert Turner informed the Chairman that EMAB will act only as observers to the proceedings, and not participate in the development of the amendment.</p>	
<p>Overview of DDMI Rationale for Amendment</p> <p>Presentation by Gord MacDonald, DDMI</p>	<ul style="list-style-type: none"> <li>• Goal of the presentation is to communicate the rationale for the amendment request.</li> <li>• Gord begins with an overview of the water management systems at the DDMI site, including an air photo of site and location of discharge lines.</li> <li>• North and South Plants discharge between 50 and 150 m<sup>3</sup> /day.</li> <li>• The North Inlet plant, which is to be the permanent plant, once construction is complete, discharges at approximately 22,000m<sup>3</sup>/day.</li> <li>• By next year, a self-contained system of water (PKC) will be in place at the site.</li> <li>• All mine water and pool water outside of this system will be discharged through North Inlet.</li> <li>• DDMI does not expect to remove any water from the PKC system. If anything, they believe they will have to add water.</li> <li>• Gord then displays graphs of North and South plant compliance in terms of phosphorous. Both plants have had intervals of compliance and non-compliance.</li> <li>• The North Inlet plant has only been operating since April 2002, so there is not enough data to evaluate</li> </ul>	

	<p>yet.</p> <ul style="list-style-type: none"> <li>• The current phosphorous regulations are based on concentrations, with 0.2 mg/l average, and 0.4 mg/l maximum.</li> <li>• DDMI would like to change this to total loading values of 1,000 kg/yr average and 2,000 kg/yr maximum for the mine life.</li> <li>• DDMI has estimated an average of 845 kg/yr and a maximum of 1,411 kg/yr across the mine life.</li> <li>• Gord then proceeds with a brief outline of the background of the phosphorous levels in the current license.</li> <li>• The amendment request was the reviewed. It was suggested to add Part H Item 10 “The licensee shall ensure that the sum of total phosphorous loads at SNP stations do not exceed 2,000 kg/yr in any year and 1000 kg/yr average over the mine life.”</li> <li>• It was also suggested to remove total phosphorous concentration limits from Part H Item 7a and 7ci.</li> <li>• DDMI also requests an amendment in reference to pH, by adding the following to Part H Item Bi: “...unless it can be demonstrated that a pH outside this range was not caused by mine activities.”</li> <li>• In response to a question, Gord says that current license, translated from concentration to loadings, allows DDMI 1,400 to 2,100 kg/yr loads.</li> <li>• There was a question regarding location of monitoring stations. It was noted that monitoring locations 1645-10, 1645-11, and 1645-18 are located at the end of the pipe coming from the 3 treatment plants. Any water that would come out of the PKC system would go through North Inlet plant (1645-18). Monitoring occurs as water leaves plant.</li> <li>• Formal renewal of water license to take place in 2007.</li> </ul>	
<p>Review of Comments/ Questions</p>	<p><b>Review of AMEC comments – April 25, 2002</b></p> <ul style="list-style-type: none"> <li>• Gord read and responding to each of AMEC’s comments</li> <li>• In reference to comment #4, Sevn Bohnet asked what the natural loading of phosphorous was at Lac de Gras. DDMI thought them to be adding approximately 33% of natural loading.</li> </ul>	

	<ul style="list-style-type: none"> <li>• Comment #5 – Neil Hutchinson suggests producing a composite sample to send to the lab on the sixth day. DDMI does not agree. They feel that sampling every 6 days, or 60 times/year produces a representative sample.</li> <li>• There was some discussion of the seasonality on phosphorous discharges. DDMI does not believe that they would discharge their total load into 3 months. It was suggested that a monthly maximum be imposed to avoid this problem.</li> <li>• Comment #7 – Neil Hutchinson explains that the 50% increase in whole lake total phosphorous concentrations refers to a “proportional change” in reference to the baseline.</li> <li>• It was noted that DDMI measures chlorophyll levels twice a year.</li> <li>• Comment #8 – The currently in use effluent dispersion system is designed to transport effluent into mixing area quickly.</li> </ul> <p><b>RWED Comments – February 15, 2002</b></p> <ul style="list-style-type: none"> <li>• RWED’s comments were reviewed, with some discussion of the QA/QC process. DDMI has sent a second round of phosphorous samples to commercial laboratories to clear up testing issue. DDMI hopes this to be complete by summer season.</li> </ul> <p><b>INAC Comments – March 12, 2002</b></p> <ul style="list-style-type: none"> <li>• Comment #1 – DDMI states that they require some room for uncertainty within the phosphorous limits.</li> <li>• There was some discussion of the scope of the water license, and the protocol for renewal in 2007. DDMI wants to leave room for error, because the new North Inlet plant has yet to be truly tested. It is currently operating very well in removing particulate, but DDMI will not know its effectiveness of removing dissolved phosphorous until the mine is in full operation.</li> <li>• Comment #2 – There was some discussion of additional monitoring. DDMI does not believe it necessary at this time. This discussion deferred to the AEMP discussion in June.</li> <li>• There was some discussion of DDMI’s strategy for reporting results. Gord would prefer to give a real presentation with discussion, rather than a web-based display. He also does not think it should be included in monthly SNP reports.</li> </ul>	
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	<ul style="list-style-type: none"> <li>• It was noted that DFO submitted comments in a letter sent March 6, 2002, but it did not make it to the public registry. All of their comments were covered in earlier discussion.</li> </ul>	
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**Lunch Break – 12:15pm**

**Reconvene 1:33pm**

<p>Discussion on Specifics of the Amendment</p>	<p>Karl Lauten opens the floor for discussion for input into amendment.</p> <ul style="list-style-type: none"> <li>• DIAND comments: Setting the limit for the whole license term is acceptable to DIAND, with a review in 2007.</li> <li>• DIAND proposes 1000 kg/yr average and 1,660 kg/yr maximum. This is based on DDMI’s estimates of 845 kg/yr and 1411 kg/yr, and applying the same proportional margin for error (~ 15%).</li> <li>• There is some discussion of imposing a monthly limit. DDMI is amenable to this, but suggests it at 300 kg/month, rather than the yearly maximum divided by 12.</li> <li>• Karl Lauten reminds the Committee that the MVLWB reserves the right to alter limits depending on the sensitivity of each time of year or month.</li> <li>• Environment Canada agrees with 1000 kg/yr average and suggests a maximum of 1800 kg/yr based on 6 months at 300 kg/yr.</li> <li>• DDMI reiterates that the 2000 kg/yr request is below what is currently licensed, and that dropping it further is a large concession. It is also noted that all of these levels are well below expected thresholds, and thus trying to set performance expectations.</li> <li>• Environment Canada reminds Committee that with a load approach to phosphorous discharge, DDMI can dump only to a maximum, whereas with concentrations, they can continue to discharge, as long as they meet necessary levels.</li> <li>• DFO comments that they would like to rely on AEMP and other programs that focus on effects.</li> </ul>	
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	<p>Are not favouring any specific numbers over another because they don't feel that they have enough information.</p> <ul style="list-style-type: none"><li>• It was agreed by the Committee that sampling frequency will remain status quo (60 times per annum).</li><li>• Tim Byers questions why pH amendment is necessary. DDMI notes that the pH of the natural runoff is currently non-compliant, and thus is not mining related.</li><li>• All reviewers agreed with the pH amendment request.</li></ul>	
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EMAB departs meeting – 3:00pm

**EMAB Board Meeting**  
**Wednesday, May 15<sup>th</sup>, 2002**

**EMAB Office, Yellowknife, NT**

**Present:**

Robert Turner, Chair, North Slave Metis Alliance

Floyd Adlem, Vice-chair, Government of Canada

Doug Doan, Secretary-Treasurer, Government of the Northwest Territories

Johnny Weyallon, Dogrib Treaty 11 Council

Erik Madsen, Diavik Diamond Mines Inc.

Florence Catholique, Lutsel K'e Dene First Nation

Lawrence Goulet, Yellowknives Dene First Nation

Angus Martin, Yellowknives Dene First Nation (alternate)

Alex (Sandy) Buchan, Kitikmeot Inuit Association

John Morrison, Government of Nunavut (alternate)

**Staff:**

Kirstie Simpson, Executive Director, EMAB

Ryan Crago, GeoNorth (minutes)

**Absent:**

Paul Partridge, Government of Nunavut

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Meeting called to order 9:18am.

Opening by Robert Turner

Agenda Item	Discussion / Recommendation	Action
Approval of Minutes from previous Board Meetings	<p>It was noted by Kirstie Simpson that minutes from December, February, March, April and May need to be approved.</p> <p>It was noted that the March 8<sup>th</sup> meeting was not an official meeting, because there were only 4 people present at any given time and thus quorum was not met. The meeting however did provide direction as to how to proceed with the Diavik phosphorus and pH amendment proposal. It was decided to defer these minutes to the Board Executive for approval.</p>	Board Executive to review and approve March 8 <sup>th</sup> minutes.
April 15 <sup>th</sup> , 16 <sup>th</sup> Minutes	<p>There was some discussion of the wording on page 3: "...there was some feeling about Board not fulfilling its' TK responsibilities..." Robert Turner questioned the accuracy of this statement, but it was decided that it was a comment made at the meeting, and therefore should be included in the minutes. It was decided to alter wording to "...the Board had some discussion about whether or not they are filling their responsibilities to TK".</p> <p>It was also noted that there was some confusion as to who's Annual Report is referred to in this same paragraph. It was decided to change it to read, "It was suggested that both DDMI and EMAB address responsibilities in their Annual Reports."</p> <p>On page 4, the second paragraph under the Winter Road heading should be changed to read, "It was pointed out that there are gut piles along the winter road. <b>Erik Madsen said that DDMI is aware of them.</b> A small report is being prepared by the Joint-Venture that operates the road which documents this."</p> <p>On page 5, under the "Other" section change "It was noted that a concern of the Board was that there is <b>not</b> inspector on-site..." to "It was noted that a concern of the Board was that there is <b>no</b> inspector on-site."</p> <p>On page 5, under <b>Motion: #2-01-04-15</b>, change</p>	To amend minutes as specified in discussion.

<p>April 15<sup>th</sup>, 16<sup>th</sup> Minutes (cont'd)</p>	<p>“there” to possessive “their”.</p> <p>On page 6, change “The Board was also informed that money from the GNWT has not been received <b>yet either...</b>” to “The Board was also informed that money from the GNWT has not been received <b>yet.</b>”</p> <p>Remove paragraph at bottom of Page 6. This was a sarcastic comment, and is unhelpful to the minutes.</p> <p>On page 7, first paragraph under “Personnel Committee Report”, insert “<b>communications position</b>” after “perhaps the...”.</p> <p>Under <i>Discussion</i> of Motion #4-01-04-15 on page 8, change “One of John McCullum’s tasks would be to draft a job description” to “<b>An additional task could be to draft a job description.</b>”</p> <p>In the first paragraph on page 9, change “<b>...operation skill...</b>” to “<b>...training opportunity...</b>”</p> <p>It was noted that on page 10 of minutes “...the Board was informed that most of the regulators had submitted statements saying <b>they did feel that</b> this amendment required a public hearing...” should read “...the Board was informed that most of the regulators had submitted statements saying <b>they did not feel</b> that this amendment required a public hearing...”</p> <p>There was some discussion on the turnaround time of Board Meeting minutes and the approval process. It was decided that the Executive Director will continue to proof read and edit minutes coming from GeoNorth prior to distribution to board members. Further to this, it was decided that the turnaround time of meeting minutes be shortened from 14 days to 10 days from the meeting date.</p> <p><b>Motion #1-02-05-15</b> Regular Board meeting minutes to be received by Board members at the earliest possible opportunity, up to a maximum of ten days. <i>Moved:</i> Floyd Adlem <i>Seconded:</i> Doug Doan <i>Carried:</i> Unanimously</p>	
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	<p><b>Motion #2-02-05-15</b>                  To accept the minutes of April 15<sup>th</sup> and 16<sup>th</sup> as amended.  <i>Moved:</i> Floyd Adlem  <i>Seconded:</i> Doug Doan  <i>Carried:</i> Unanimously</p>	
<p>May 7<sup>th</sup> Minutes</p> <p>May 7<sup>th</sup> Minutes (cont'd)</p>	<p>Action Item on page 2 regarding Florence providing feedback to DDMI was discussed. Florence provided feedback at the meeting date, and thus it does not need to be acted upon. Incorporate this item as part of the discussion.</p> <p>On page 8, under Date of August Board Meeting, “Chief Rabesca’s Camp” should be changed to “Moise Rabesca’s Camp”.</p> <p><b>Motion #3-02-05-15</b>                  To accept the minutes of May 7<sup>th</sup> as amended.  <i>Moved:</i> Alex Buchan  <i>Seconded:</i> Florence Catholique  <i>Carried:</i> Unanimously</p>	
<p>Terms of Reference for Caribou and Fisheries</p>	<p>Members had been polled by telephone by the Executive Director to pass this motion.</p> <p><b>Motion #4-02-05-15</b>                  To formally adopt both motions as read.  <i>Moved:</i> Doug Doan  <i>Seconded:</i> Florence Catholique  <i>Carried:</i> Unanimously</p>	
<p>December 10<sup>th</sup> Minutes</p>	<p>Alex Buchan asked for a clarification of the wording of Motion #3-01-12-10. Clarification provided by the Board.</p> <p><b>Motion #5-02-05-15</b>                  To accept the minutes of December 10<sup>th</sup>.  <i>Moved:</i> Florence Catholique  <i>Seconded:</i> Alex Buchan  <i>Carried:</i> Unanimously</p>	

Break at 10:44am

Reconvened at 11:10am

<p>February 26<sup>th</sup>, 27<sup>th</sup> Minutes</p>	<p>There was some discussion regarding a regular project update by DDMI at Board meetings. Kirstie Simpson has sent a letter to DDMI regarding this.</p>	
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	<p>On page 2, second to last paragraph, “...<b>there should have...</b>” should read “...<b>there should be...</b>”</p> <p>There was considerable discussion of Motion #2-020-02-26, and the definitions of signing and spending authority. It was decided that the Motion was wording improperly. Referring back to these minutes, Florence Catholique and Johnny Weyallon, who moved, and seconded the original motion, both agree to reword this motion in the February minutes to read: “<b>To authorize Executive Director to sign cheques.</b>”</p> <p>It was noted by Floyd Adlem that the Board had not formally adopted the Executive’s decision to grant the Executive Director a spending authority of \$2,000. This will be discussed as next agenda item.</p> <p>There was some discussion on the status of the Boards’ computer purchases. Kirstie Simpson detailed the purchase process, and highlighted that the Board had approved the purchase of the sixth computer, therefore she did not exceed her spending limit as Executive Director.</p> <p>On page 8, “...<b>the heard as a whole...</b>” should read “...<b>the herd as a whole...</b>”</p> <p><b>Motion #6-02-05-15</b>          To accept minutes of February 26<sup>th</sup> and 27<sup>th</sup> as amended.  <i>Moved:</i> Florence Catholique  <i>Seconded:</i> Johnny Weyallon  <i>Abstention:</i> Alex Buchan  <i>Motion Carried</i></p> <p><b>Motion #7-02-05-15</b>          To formally adopt the Executive’s decision of October 19, 2001, to grant the Executive Director spending authority up to \$2,000.  <i>Moved:</i> Doug Doan  <i>Seconded:</i> Alex Buchan  <i>Carried:</i> Unanimously</p>	
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<p>Review of Action Items from April 15<sup>th</sup> to May 7<sup>th</sup></p>	<p><b>April 15<sup>th</sup>/16<sup>th</sup> Action Items:</b>                  Action Item:                  Page 2: Copies of the Environmental Agreement Annual Report were provided to the Board members for their review.</p> <p>A meeting will be organized between EMAB and DDMI to go through DDMI’s Annual Report in detail and get EMAB comments. At this meeting DDMI will give a detailed presentation of the contents of the Annual Report.</p> <p>Status: Completed by DDMI at May 7<sup>th</sup> meeting.</p> <p>Action Items:                  Page 4: Erik Madsen to provide copies of the PowerPoint presentation on the winter road to the EMAB office. Erik Madsen to provide copies of the PowerPoint presentation on the sewage treatment plants to the EMAB office.</p> <p>Status: Completed. Erik Madson provided EMAB office with PowerPoint presentation. These presentations will be distributed to Board members on CD, along with Gord McDonald’s presentation to the Diavik Technical Committee.</p>	<p>Executive Director to distribute CD to Board members with Winter Road presentation, as well as DTC presentation on water license amendment.</p>
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Lunch Break - 11:57am

Reconvened at 1:31pm

<p>Review of Action Items from April 15<sup>th</sup> to May 7<sup>th</sup> (cont’d)</p>	<p>Action Item:                  Page 5: DIAND inspector to provide Inspector’s report to the EMAB office as well as pictures taken on site. At the request of the Board copies of the pictures on CD can be provided.</p> <p>Status: Inspection report received by EMAB office.</p> <p>Action Item:                  Page 6: 5D Management should be contacted about changes that need to be made to financial statements (DIAND contribution as a</p>	
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	<p>receivable).</p> <p>Status: Completed, but changes were not available for the meeting.</p> <p>Action Item: Page 6: Alex Buchan &amp; Floyd Adlem to meet on April 17<sup>th</sup>, 2002 to work on EMAB workplan. (Alex Buchan was unable to stay for April 17<sup>th</sup>, 2002 so this meeting was canceled).</p> <p>Status: Outstanding.</p> <p>Action Item: Page 6: Floyd Adlem, Johnny Weyallon, Angus Martin, and Florence Catholique to meet on April 18<sup>th</sup>, 2002 to work on EMAB’s workplan.</p> <p>Status: Floyd Adlem and Florence Catholique met, but there is still some outstanding work.</p> <p>Action Item: Page 7: The accounting firm of Michael Odell &amp; Associates to be notified that they have been chosen as the auditor for EMAB.</p> <p>Status: Michael O’Dell and Associates were notified, and the audit is nearing completion.</p> <p>Action Item: Page 8: John McCullum to develop the concept Terms of Reference for a Communications Plan for the Board – deadline for this April 22<sup>nd</sup>, 2002.</p> <p>Status: Completed.</p> <p>Action Item: Page 8: Personnel committee to review and re-draft the personnel protocol and process.</p> <p>Status: Outstanding.</p> <p>Action Item: Page 8: Executive Director to look into the options re: consultants who provide training to boards. The board members were asked for suggestions. Summarize findings and present to the Board.</p> <p>Status: Completed. Executive Director sent packages out to Peter Redvers and Mike Bell. Awaiting word on Mr. Bell’s availability. Mr. Redvers is unavailable on the dates chosen by the Board.</p>	
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	<p>Action Items:  Page 8 and 9: The Board to consider holding a Cumulative Effects Workshop for both Board members and community people.</p> <p>Eric Yaxley to look for money in DIAND and work with the Executive Director to find a date in the future for this workshop within this fiscal year. He also noted that when he obtains more information he will provide this to the Board.</p> <p>Status: Follow-up in May 7<sup>th</sup> minutes/action items.</p> <p>Action Item:  Page 9: Great Slave Graphics to be notified that they have been chosen to do the signs for EMAB.</p> <p>Status: Completed. Great Slave Graphics currently working on sign.</p> <p>Action Item:  Page 14: Gord McDonald indicated that DDMI could provide an outline of what documents are due and their deadlines or when they could be made available to the Board.</p> <p>Status: Outstanding. Gord McDonald and Erik Madsen to discuss soon.</p> <p>Action Item:  Page 15: Organize a board workshop on the roles and responsibilities of Board members.</p> <p>Status: Outstanding, but the workshop has been scheduled for July 3, 4, and 5 in Lutsel K'e.</p> <p>Action Item:  Page 15: Executive Director to draft a letter stating that EMAB will not be requesting a public hearing and also noting that they would like to participate in any technical discussions and reserve the right to make their own recommendations before the Water License Amendment is finalized. This letter will be provided to the Board for their revision.</p> <p>Status: Completed and sent to MVLWB.</p> <p>Action Item:  Page 16: Organize a Water Quality Workshop in Kugluktuk in cooperation with the KIA.</p>	
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	<p>Status: June 18 – 20 was selected as a tentative date, but has yet to be confirmed with KIA. Alex Buchan formally suggests that this be deferred to a later date. It is agreed that the Board will address this at its' next meeting.</p> <p>Action Item: Page 17: Robert Turner &amp; Floyd Adlem to work on presentation to be given at the Meeting of the Parties on April 22<sup>nd</sup>, 2002.</p> <p>Status: Completed.</p> <p>Action Item: Page 17: A letter to be drafted to clarify recommendations that have already been submitted to DDMI with respect to the Caribou monitoring program.</p> <p>Status: Incomplete. It was suggested that the Board needs to clarify its' intent with respect to that recommendation.</p> <p>Action Item: Page 18: A letter to be drafted to the Bathurst Management Committee to follow up on the recommendations that were originally sent to RWED. There should be some specifics on the concern re: outfitters in the area.</p> <p>Status: Outstanding.</p> <p>There was some discussion of content of this letter, and the addressees. It was noted that the Board was not satisfied with the original response by RWED. It was decided that the letter be in response to Bob McLeod's (RWED) letter, CC'ed to Ray Case (BCMPC) and Steve Atkinson (Nunavut). Executive Director to aid in drafting the letter.</p> <p>Action Item: Page 18: Board members to review the "Summary of Wildlife Issues and Recommendations" and submit comments to the EMAB office by April 22<sup>nd</sup>, 2002. EMAB staff to incorporate changes and distribute to Board members for April 26<sup>th</sup>, 2002. Document to be voted on at Board meeting in early May 2002.</p> <p>Status: Completed at May 7<sup>th</sup> meeting. The community of Rae will talk about wildlife recommendations Thursday, May 23.</p>	<p>Executive Director and Chairman to draft a letter in response to Bob McLeod's letter. Ray Case and Steve Atkinson to be copied on the letter.</p>
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	<p>Action Item: Page 19: Add discussion of Fish Issues to the agenda for the next meeting.</p> <p>Status: Completed.</p> <p>Action Item: Page 19: EMAB staff to prepare a document summarizing fish issues and recommendations in a similar format to that which was done for the wildlife issues and recommendations.</p> <p>Status: Was not completed because it was decided by the Board to return to old format for wildlife recommendations.</p> <p>Action Item: Page 19: Inform IEMA that EMAB agrees with the idea of cost sharing a Traditional Knowledge workshop and that both boards will need to work together to plan it.</p> <p>Status: Has been completed informally. Preliminary discussions with IEMA have taken place. IEMA has raised concerns with selected date (July 10, 11, 12), stating that some parties may be involved with fieldwork and unable to attend.</p> <p><b>May 7<sup>th</sup> Action Items:</b> Action Item: Page 4: Should EMAB suggest a date change to the parties?</p> <p>Status: Completed. It was decided that further statement from DDMI to the parties requesting a date change is necessary.</p> <p>Action Item: Page 5: Final Comments deadline: May 10<sup>th</sup>, 2002</p> <p>Status: Completed. KIA, Dogrib Treaty 11 and DDMI have issued comments to date.</p> <p>Action Item: Page 5: Board to consider holding a bear and wolverine workshop.</p> <p>Status: Outstanding.</p> <p>Action Item: Page 6: Recommendation #10 is to be removed</p>	
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	<p>and used for the basis for the terms of reference for the Wildlife Subcommittee.</p> <p>Status: Outstanding.</p> <p>Action Item: Page 7: Executive Director to draft joint letter to DDMI and RWED attaching the recommendations.</p> <p>Status: Outstanding.</p> <p>Action Item: Page 7: Executive Director to revise budget to reflect change from \$15,000.</p> <p>Status: Completed.</p> <p>Action Item: Page 7: AGM to be organized and advertised as required by EMAB bylaws.</p> <p>Status: Outstanding.</p> <p>Action Item: Page 8: Board to review resumes and course providers for Board Development Workshop.</p> <p>Status: Completed, although EMAB is awaiting word on availability of Mike Bell.</p> <p>Action Item: Page 8: Robert Turner to confirm location, availability and cost of Old Fort Rae for TK Workshop.</p> <p>Status: Completed. Site is available for selected dates. Cost will be \$200/pp/day. It was decided to travel to Old Fort Rae by boat. NSMA will arrange boat travel from the channel to the fort. A van will be rented to transport Board members from Yellowknife to Channel.</p> <p>Action Item: Page 8: Executive Director to liaise with with DIAND and IEMA on setting up Cumulative Effects Workshop.</p> <p>Status: Outstanding.</p> <p>Action Item:</p>	<p>Robert Turner to arrange travel by boat to Old Fort Rae with NSMA.</p> <p>Executive Director to liaise with IEMA to see if they are interested in a joint workshop.</p>
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	<p>Page 8: Johnny Weyallon to confirm availability of Rabesca’s camp and costs for August Board Meeting.</p> <p>Status: Outstanding. There was some discussion of the possibility of holding public meetings in Rae during this meeting, as well as in Lutsel K’e in July. It was decided that Kirstie Simpson will assist in arranging these.</p>	<p>Johnny Weyallon to confirm for 15 people.</p> <p>Executive Director to assist Florence Catholique and Johnny Weyallon in organizing public meetings in Lutsel K’e and Rae, in July and August respectively.</p>
<p>Status of EMAB Annual Report</p>	<p>The committee has distributed the outline of the Annual Report and some comments have been received. Some discussion of the outline followed:</p> <p>It was discussed whether or not alternates would be included in the Board Member Profiles. As well, Alex Buchan noted that Board benefits and honoraria should be addressed in the report somehow. The committee will decide how to include both of these suggestions.</p> <p>The committee to plans to assign writing duties within a week.</p> <p>The committee has contacted two consultants to aid in the coordination and composition of the Annual Report. It was noted that Rosella Stoesz has been highly recommended, and affordable at \$35/hour.</p> <p><b>Motion #8-02-05-15</b> To accept the Committees’ recommendation that Rosella Stoesz be contracted to coordinate the compilation of EMAB’s annual report to stay within the budget and timelines established by the Committee upon receipt of a proposal</p>	<p>Annual Report Committee to decide if and how to include Board alternates and a description of Board benefits and honoraria in Annual Report.</p> <p>Annual Report Committee to assign writing duties within a week.</p> <p>Annual Report Committee to seek proposal from Rosella Stoesz for the coordination of</p>

	<p>acceptable to the Committee.  <i>Moved:</i> Florence Catholique  <i>Seconded:</i> Johnny Weyallon  <i>Carried:</i> Unanimously</p>	<p>Annual Report.</p>
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Break at 3:00pm

Reconvened at 3:22pm

<p>June Schedule</p>	<p>Erik Madsen reports that on June 12<sup>th</sup>, DDMI plans to give AEMP presentation to the Diavik Technical Committee. DTC will meet again on June 26<sup>th</sup> to discuss recommendations and potential changes to the program.</p> <p>It was suggested that EMAB hold a pre-June 12 meeting to discuss the AEMP. It was decided that this will occur on June 11, followed by the DTC meeting on June 12, then by a regular Board meeting on June 13<sup>th</sup>.</p>	<p>Executive Director to arrange June 11 AEMP information meeting.</p>
<p>Fisheries Recommendations</p>	<p>There was some discussion on the status of the fisheries recommendations. It was suggested by Kirstie Simpson that the Board delay their review of the recommendations until she has a chance to correct several technical errors in the document. It was decided that Kirstie Simpson will produce two versions of the fisheries document. The first will list each original recommendation, followed by comments by the parties and the Executive Director underneath. The second will be a composite, with comments written into the recommendations and technical errors corrected.</p> <p>These documents to be distributed to the Board within two weeks time, and final review and approval will take place at June 13<sup>th</sup> meeting.</p> <p>There was some discussion of the request by DDMI to DFO to delay the implementation of their palatability studies. It was decided that the Board will compose a letter to DFO as a request to delay any decision regarding</p>	<p>Executive Director to produce two versions of fisheries document, to be distributed to Board members within 2 weeks.</p>

	<p>DDMI’s request until the Board submits its’ fisheries recommendations in mid-June.</p> <p><b>Lawrence Goulet departs – 4:09pm</b></p> <p><b>Motion #10-02-05-15</b>                  To recommend to DFO that a decision on the time extension requested April 17<sup>th</sup> by DDMI, be deferred until further recommendations are received from the Board.  <i>Moved:</i> Alex Buchan  <i>Seconded:</i> Floyd Adlem  <i>Discussion:</i> It was suggested by Florence Catholique to include mention of DDMI’s requirement to fulfill baseline study requirements.</p> <p>It was noted that EMAB is not responsible for developing these studies.</p> <p><b>Doug Doan departs – 4:28pm</b></p> <p><i>Abstention:</i> Erik Madsen                  Motion Carried.</p> <p><b>Motion #10-2-05-15</b>                  To adjourn.  <i>Moved:</i> Angus Martin  <i>Seconded:</i> John Morrison</p>	<p>Chairman to draft letter with assistance from Executive Director to DFO recommending that DFO defer their decision on the time extension requested by DDMI for palatability studies until further recommendations are received from the Board.</p>
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Adjourned – 4:35pm.