

Richard Dwyer

From: Melissa Joy [Melissa.Joy@inac-ainc.gc.ca]
Sent: Monday, June 28, 2010 9:13 AM
To: Nunatta Enviromental Services
Cc: Andrew Keim; Richard Dwyer
Subject: Re: Permission to discharge water into Environment

Hi Jason,

Provided the water in Cell 4 continues to meet the CWS criteria (as there is no specific discharge criteria cited in the water licence), go ahead and discharge.

As a precaution, sample at the beginning, middle and toward the end of the release to ensure your treatment (and calculations) remain effective and provide those results when available.

In regards to your construction question -refer to Part G of your licence; ensure you give yourself enough time to submit any upcoming plans/projects to the NWB for review and approval.

If you have any questions, please let me know.

Melissa

Melissa Joy
Water Resource Officer
Indian & Northern Affairs Canada
PO Box 100, Iqaluit, NU, X0A 0H0
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FAX: (867) 979-6445
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Office location has changed as of Dec 14/09 *please update your address book*

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>>> Nunatta Enviromental Services <nunatta@northwestel.net> 24/06/2010

>>> 5:26 pm >>>

Yes Melissa,

Sorry about that. The number is NWB4NUN0511 Type "B". Signed and dated by Philippe di Pizzo September, 2005 Gjoa Haven, NU. I've also sent you a copy if needed.

Regards

Jason Taylor

----- Original Message -----

From: Melissa Joy <Melissa.Joy@inac-ainc.gc.ca>

Date: Thursday, June 24, 2010 3:35 pm

Subject: Re: Permission to discharge water into Environment

To: Nunatta Enviromental Services <nunatta@northwestel.net>

Cc: Ian Parsons <Ian.Parsons@inac-ainc.gc.ca>

> Can you please provide the licence number?

>

> Thx,

> Melissa

>

> >>> Nunatta Enviromental Services <nunatta@northwestel.net>

> 24/06/2010 3:11 pm >>>

> Hi Melissa,

>

> Yes we have our own Water license which is good for 10 years and will

> be up for renewal in 2011.

>

>

> Jason Taylor

>

> ----- Original Message -----

> From: Melissa Joy <Melissa.Joy@inac-ainc.gc.ca>

> Date: Thursday, June 24, 2010 2:09 pm

> Subject: Re: Permission to discharge water into Environment

> To: Nunatta Enviromental Services <nunatta@northwestel.net>

> Cc: Andrew Keim <Andrew.Keim@inac-ainc.gc.ca>, Ian Parsons

> <Ian.Parsons@inac-ainc.gc.ca>, Lou-Ann Cornacchio

> <LouAnn.Cornacchio@inac-ainc.gc.ca>, Peter Kusugak

> <Peter.Kusugak@inac-ainc.gc.ca>, Phyllis Beaulieu <"Phyllis Beaulieu

> <licensing"@nunavutwaterboard.org>

>

> > Hi Jason,

> > I have received your email -we will review the results and get back

> > to you tomorrow. Does Nunatta have their own water licence for this

> > activity? or are they operating under the municipal water licence?

> > Please confirm.

> >

> > Thx

> > Melissa

> >

> > Melissa Joy

> > Water Resource Officer

> > Indian & Northern Affairs Canada

> > PO Box 100, Iqaluit, NU, X0A 0H0

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> >
> >
> > >>> Nunatta Enviromental Services <nunatta@northwestel.net>
> > 24/06/2010 1:46 pm >>>
> > In one of our cells we have 145,000 gallons of water
> with
> > sheen in it (Cell 4). Sheen will not likely cause any permanent
> > habitat loss due to the amount of oil in it
> which
> > is less than one micron (ppm). The sheen in this case (Refined
> > products such as diesel), came from sites we have worked on and
> > collected over a period of time into our cell 4, with the
> > contribution of rain and melt water you can imagine
> the
> > scale.
> >
> > As you are aware sheen will evaporate gradually which is a
> major
> > source of loss of oil volume to the atmosphere. The greater area to
> > volume ratio of sheen increases the rate of evaporation, which
> > primarily affects the lighter ends of the
> oil
> > (diesel). After a short time, there will be fewer light ends in the
> > sheen. Diesel and Gasoline have a limited number of fractions and
> > will evaporate completely with little
> or
> > no residue.
> >
> > With the help of carbon vessels I will eliminate any threat of
> > contaminants during discharging into the environment.
> Here
> > is my formula:
> >
> > For 145,000 gallons of water with 99.1 ug/l of Toluene and 0.8 ug/l
> > of Xylene I will use 675kg of granular activated carbon (GAC) with a
> pump
> > rate of 10 gallons/minute
> > Where the threshold will be every 48 hours (15,552 gallons) adding
> > new GAC
> >
> > I've tried this within our own facility using a temporary berm.

> > Samples were collected and sent to Paracel Labs in Ottawa for
> > chemical analysis. The results are included, where Cell 4
> > represents the 145, 000 gallons of water and Post WTR Cell 4 (48)
> > represents the water collected that was passed through the GAC
> > vessel after a 48 hour period.
> >
> > As you will see the activated carbon did in fact eliminate any
> > potential threat once passed through the vessel.
> >
> > I would like to have your approval to discharge this water
> into
> > the environment where it would not leach into aquatic marine life
> > and would be placed in a industrial area, where if it
> does
> > reach the water table, according to the results I've sent you, would
> > be safe. If you can acknowledge this it would be
> much
> > appreciated.
> >
> > Thank you
> >
> > Jason Taylor
> > Environmental Technician
> >
> > Nunatta Environmental Services.
> >
>