

Subject: FW: Incinerator's located at the New Solid Waste Facility
Date: Wednesday, October 7, 2020 at 9:19:41 AM Mountain Daylight Time
From: Erin Goose
To: Ash Varghese
Attachments: signed letter to DGG for incinerator at the SWF. September 2020.pdf

Hello Ash,

I wasn't sure if I had sent this to you, prob a good to add to the SLWB WL for the DGG.

Erin

From: Erin Goose
Sent: September 11, 2020 2:16 PM
To: 'Kirk Dolphus'
Cc: Laurel McDonald; Jeff Walker; Valene Kenny
Subject: Incinerator's located at the New Solid Waste Facility

Hello Kirk,

Please find attached the letter that has been drafted in regards to the usage of incinerators in Deline. I have included some other links that were provided by ENR that may be useful for you. You should contact the SLWB to update the Operations and Maintenance Plan in the current Water License to identify open burning of clean paper, paperboard packaging and untreated wood wastes. Burning of waste does not appear to be included in the current [Operations and Maintenance Plan for the Déljñę Solid Waste Facility](#).

Open burning practices should be consistent with ENR's guidelines [Municipal Solid Wastes Suitable for Open Burning](#)

Only paper products, paperboard packaging and untreated woods are suitable for burning. Clothing is synthetic material so it is NOT an acceptable material. Synthetics cause pollutants that are harmful to human health and the environment. It is understood that Deline wants to burn clothing for traditional purposes, my concern is that the products being burnt are not acceptable materials.

Untreated wood is allowed, this is wood that has not been painted or modified in any way to preserve.

[Technical Document for Batch Waste Incineration](#) should be read carefully and follow instructions.

Here is another link that can be useful [Solid Waste Management for Northern and Remote Communities Planning and Technical Guidance Document](#)

I hope that you find this email and letter useful, if you have any questions please contact myself. Have a good weekend.

Erin

Mársı | Kinanāskomitin | Thank you | Merci | Hąj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Erin Agnes Goose

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September 10, 2020

Re: Déljñę Incinerator Water License no. S18L3-001

Dear Mr. Dolphus,

The incinerators located at the new Solid Waste Facility in Déljñę were inspected on August 26, 2020. As a result of the inspection the units do not have filters, the mesh for spark arresting is too large or both are missing and the burnable materials are not segregated. It is the recommendation that these incinerators not be used any further due to any control over the combustion process, minimizing the pollutant emissions that are harmful to human health and the environment.

Provided is information from the Technical Document for Batch Waste Incineration from Environment Canada for ownership and operation of a full functioning incinerator.

Step 1: Understand your waste stream:

The first step in managing waste is to understand the quantity and composition of the waste that is generated. A waste audit should be completed, where practical to:

- Determine the quantity of waste generated in the various parts of an operation;
- Characterize the waste from each type of operation;
- Examine the waste stream to determine what opportunities exist for:
- Reducing the quantity of waste generated;
- Reusing materials; and
- Recycling as much as possible before considering disposal.

Step 2: Select the Appropriate Incinerator (or Evaluate the Existing System):

- Needs to be approved by an incinerator manufacturer.
- Specify the quantity of waste and which incinerator is suitable

Step 3: Properly Equipment and Install the Incinerator:

- Building considerations
- Designing the installation site, maximize clearance
- Insulation
- Fresh air inlet, dampers



- Monitors, scales

Step 4: Operate the incinerator for optimum combustion:

- Wastes should be separated according to heating value
- Weighed
- Designate an operator that is trained
- Cleaning the incinerator after every use

Step 5: Safely handle and dispose of incinerator residues:

- May contain materials that can effect health and environment
- Weigh ash

Step 6: Maintain Records and Reports:

- List all who is trained and type of training
- Preventive maintenance
- Records of operation
- Annual fuel usage
- List the shipments of residue weight
- List of emissions measurements
- The records should be retained for inspection by an appropriate authority by manager.

All of these steps are in the booklet that I have sent to you, please read this carefully and comply with all regulations. If you have any questions please do not hesitate to call me at (867) 587-3517 or email me at Erin_Goose@gov.nt.ca.

Sincerely,

Erin Agnes Goose
Water Resource Officer
Environment and Natural Resources
Sahtu Region