



Indian and Northern  
Affairs Canada

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et du Nord Canada

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PO Box 1500  
Yellowknife, NT  
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File: MV2009L3-0007

November 27<sup>th</sup> 2009

To: Lynn Carter  
Regulatory Officer  
Mackenzie Valley Land and Water Board  
P.O. Box 2130  
Yellowknife, NT X1A 2P6

**SEND BY FAX: (867) 873-6610**

**RE: MUNICIPAL CORPORATION OF THE CITY OF YELLOWKNIFE – TYPE  
A WATER LICENCE RENEWAL APPLICATION MV2009L3-0007**

Dear Ms. Carter,

Please see the enclosed Intervention from Indian and Northern Affairs Canada for the Municipal Corporation of the City of Yellowknife application MV2009L3-0007. INAC intends to present this information at the upcoming public hearing, scheduled for January 19-20, 2010.

Sincerely,

Teresa Joudrie  
Director, Renewable Resources and Environment  
Indian and Northern Affairs Canada

**INDIAN AND NORTHERN AFFAIRS CANADA  
INTERVENTION  
FOR THE  
MUNICIPAL CORPORATION OF THE  
CITY OF YELLOWKNIFE  
MV2009L3-0007**

Submitted to:  
Mackenzie Valley Land and Water Board  
PO Box 2130  
Yellowknife, NT X1A 2P6  
November 27<sup>th</sup>, 2009

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## **LIST OF ACRONYMS**

**BOD – Biological Oxygen Demand**

**CBOD – Carbonaceous Biological Oxygen Demand**

**CCME – Canadian Council of Minister of the Environment**

**INAC – Indian and Northern Affairs Canada**

**MSWMP – Municipal Stormwater Management Plan**

**MVLWB – Mackenzie Valley Land and Water Board**

**SNP – Surveillance Network Program**

**TSS – Total Suspended Solids**

## **SUMMARY OF RECOMMENDATIONS**

### **WASTEWATER MANAGEMENT**

**RECOMMENDATION #1:** *Indian and Northern Affairs Canada recommends that the City provides a revised Fiddler's Lake Treatment System Plan. The Plan would include, at a minimum:*

- *How the City will upgrade the Fiddler's Lake Treatment System to accommodate projected future increases in wastewater volume. This could include committing to recommendations described in the "Expansion of Fiddler's Lagoon Treatment System Plan" which included a wetland study and pre-treatment pilot study or a rationale for considering other options.*

**RECOMMENDATION #2:** *Indian and Northern Affairs Canada recommends that the City provide information on the factors that contribute to the seasonal generation of an algal bloom at F3. Subsequently, the City should evaluate mitigative measures which could be undertaken to reduce the presence of the algal bloom and associated elevated pH at station F3.*

**RECOMMENDATION #3:** *INAC recommends that the water licence contain a requirement to perform a full year characterization of sewage effluent according to the CCME Strategy, and submit to the MVLWB a final report following completion of the study.*

**RECOMMENDATION #4:** *INAC recommends that the Spill Contingency Plan be updated to include an "Action Plan" to mitigate effects from leaks or spills at the lagoon. The updated plan should conform to INAC's Guidelines for Spill Contingency Planning and be submitted to the Board for review and approval.*

**RECOMMENDATION #5:** *INAC recommends the compliance point for the wastewater treatment facility remain at Station F3. If the City wishes to relocate the compliance point, an amendment of the water licence will be required. Accordingly, additional study should be undertaken to determine the extent and performance of the municipal wastewater treatment system.*

**RECOMMENDATION #6:** *INAC Recommends that CBOD be added to the list of parameters sampled at SNP 0032-F1 and 0032-F3 in Part B, Section 1 of the current water licence, for a minimum of 3 years period. After the 3 years, the City should provide a trend analysis to the Board for review and approval. At that time sampling requirements could be revisited.*

## **SOLID WASTE FACILITY**

**RECOMMENDATION #7:** *INAC recommends that the location of SNP 32-13 be revisited taking in consideration the drainage from the snow dump. The relocation should be assessed in conjunction with the INAC Inspector.*

**RECOMMENDATION #8:** *INAC recommends that monitoring station 32-15 should be relocated to the west side of Highway #4 to limit the influence of roadway runoff on sampling results as recommended in the Drainage Study conducted by the City.*

**RECOMMENDATION #9:** *INAC recommends that the quantity of organics received as well as the amount of compost produced and/or distributed at the compost facility be recorded and be included within the Annual Report.*

**RECOMMENDATION #10:** *INAC recommends that all water collected at the composting facility be sampled prior to discharge. A new SNP monitoring location should be established within the water licence and results submitted in the Annual Report.*

**RECOMMENDATION #11:** *INAC recommends that a leachate modelling and monitoring plan be submitted to the Board for review and approval. Following approval, INAC recommends that additional SNP monitoring locations be determined for subsurface drainage and incorporated in the water licence.*

**RECOMMENDATION #12:** *INAC recommends that the City update its Operation and Maintenance Manual to include the operation of the Contaminated Soil Treatment Facility. The Plan should include how the City will manage future increases in soil volume, how leachate will be tested and analyzed, how results will be reported, and how leachate will be discharged or stored.*

**RECOMMENDATION #13:** *Indian and Northern Affairs Canada recommends that the City submit a Closure and Reclamation Plan for review and approval before closure of the Solid Waste Facility. The Plan should include detailed information regarding the upcoming reclamation of the existing cell as well as preliminary/conceptual information for the new landfill cell. The Plan should also include how leachate, surface and subsurface runoff will be monitored and modelled during and after closure as described in the Solid Waste Facility Drainage Study.*

**RECOMMENDATION #14:** *Indian and Northern Affairs Canada recommends that the City submit the final construction designs of the new landfill. These designs, which are to be approved by an Engineer, should be submitted to the Board for review and approval.*

**RECOMMENDATION #15:** *INAC recommends that the City submit an Operation and Maintenance Plan for review and approval prior to the commencement of operations at the new landfill. The Operation and Maintenance Plan should include, but not be limited to, leachate monitoring and treatment and liner maintenance and inspections.*

## **STORM WATER MANAGEMENT**

**Recommendation #16:** *Indian and Northern Affairs Canada recommends that the City of Yellowknife update its Municipal Stormwater Management Plan (MSWMP) to address all concerns raised during the review of the 2009 MSWMP. The updated Plan should be submitted to the MVLWB for review and approval.*

## **1.0 INTRODUCTION**

The following concerns and issues have resulted from Indian and Northern Affairs Canada (INAC) reviews of the Type A Water Licence application MV2009L3-0007 and attached plans for the Municipal Corporation of the City of Yellowknife (City). This intervention submission explains INAC's concerns and provides information and recommendations for the consideration of the Mackenzie Valley Land and Water Board (MVLWB) during its decision-making process associated with this renewal application. INAC appreciates the opportunity to express its concerns and make recommendations to the MVLWB and will present this information to the Board during the upcoming January 19-20, 2010 public hearings.



## 2.0 WASTEWATER MANAGEMENT

### **Fiddlers's Lake Treatment System**

The report titled "Expansion of Fiddler's Lagoon Treatment System Plan" was submitted by the City with the water licence application. The report describes how a steadily increasing City population is resulting in increased sewage production, which is subsequently decreasing the holding capacity of the lagoon. In the future, it is projected that the decanting season will commence earlier in the operating year, limiting the effectiveness of treatment in both the lagoon and wetland and therefore affecting the ability of the treatment system to meet regulated effluent quality criteria.

The report also described that in order to maintain the current level of treatment, both the holding lagoon and wetland would require volume expansion equal to the population growth rate in order to ensure that the decanting season does not start earlier than September. In order to meet future effluent limits, particularly for ammonia and phosphorous, the report explained that the level of treatment in the lagoon system must be improved.

Currently, the wetland provides BOD and TSS polishing, nitrifies most of the ammonia, and consumes phosphorous load. Based on computational modeling results, the report demonstrated that the wetland is not expected to be able to provide sufficient treatment in the future due to cold weather decanting. As a result, a lagoon pre-treatment system was recommended to provide additional BOD, ammonia, and phosphorous treatment in order to meet future effluent criteria.

The report recommended that further study of the wetland performance during cold weather and lagoon pre-treatment system study be performed. The results of the performance evaluation should determine the impact of spring lagoon decant and may also be used to determine if spring discharge from the pre-treatment system through the wetland to the receiving environment would produce acceptable effluent. The outcome of this study would also provide the schedule for upgrading the treatment system and a mode of operation that can extend the lifespan of the lagoon and wetland system.

**RECOMMENDATION #1:** *Indian and Northern Affairs Canada recommends that the City provides a revised Fiddler's Lake Treatment System Plan. The Plan would include, at a minimum:*

- *How the City will upgrade the Fiddler's Lake Treatment System to accommodate projected future increases in wastewater volume. This could include committing to recommendations described in the "Expansion of Fiddler's Lagoon Treatment System Plan" which included a wetland study and pre-treatment pilot study or a rationale for considering other options.*

### **Elevated pH Values**

The pH at SNP 0032-F3 has exceeded the pH range required in the water licence on several occasions. During recent technical sessions held by the MVLWB, the City stated that the high pH at F3 occurs during the summer period and is associated with the presence of an algal bloom. Details on the factors contributing to the generation of this algal bloom have not been provided. It may be found that this is simply a natural phenomenon. However, INAC is concerned that the elevated pH values observed at SNP 0032-F3 may not be protective of the receiving environment. INAC recommends that the City provide information on the factors that contribute to the seasonal generation of an algal bloom at F3. Subsequently, the City should evaluate mitigative measures which could be undertaken to reduce the presence of the algal bloom and associated elevated pH.

**RECOMMENDATION #2:** *Indian and Northern Affairs Canada recommends that the City provides information on the factors that contribute to the seasonal generation of an algal bloom at F3. Subsequently, the City should evaluate mitigative measures which could be undertaken to reduce the presence of the algal bloom and associated elevated pH at station F3.*

### **Sewage Effluent Characterization**

INAC supports the City's proposal to perform a full year characterization of the Fiddlers Lagoon sewage effluent according to the CCME Strategy for the Treatment of Municipal Wastewater Effluent. INAC understands that the City has committed to performing the full year effluent characterization in 2011, and commends the City for committing to undertake this initiative. INAC recommends that the water licence contain a requirement to perform a full year characterization of effluent according to the CCME Strategy, and submit to the MVLWB a final report following completion of the study.

**RECOMMENDATION #3:** *INAC recommends that the water licence contain a requirement to perform a full year characterization of sewage effluent according to the CCME Strategy, and submit to the MVLWB a final report following completion of the study.*

### **Sewage Lagoon Structure**

In 2009, the municipal sewage lagoon was observed to have containment issues (i.e. leaks). INAC requested that repairs to the structure be undertaken by the City and that a follow-up report be submitted. The City has committed to repairing the lagoon structure as well as providing a report. INAC recommends that the Spill Contingency Plan be updated to include an "Action Plan" to mitigate effects from leaks or spills at the lagoon. The updated plan should conform to INAC's Guidelines for Spill Contingency Planning and should be submitted to the Board for review and approval.

**RECOMMENDATION #4:** *INAC recommends that the Spill Contingency Plan be updated to include an "Action Plan" to mitigate effect from leaks or spills at the lagoon. The updated plan should conform to INAC's Guidelines for Spill Contingency Planning and be submitted to the Board for review and approval.*

### **Location of Compliance Point at F3**

The City was suggesting that the “end of pipe” compliance point for their municipal wastewater system be located 100m from Great Slave Lake, to conform with CCME guidance. According to the CCME guidelines, the end of pipe sampling site for wastewater effluent should be located 100m from the shoreline of the receiving water body. At the technical sessions held by the MVLWB, INAC disputed the proposed relocation of the compliance point, as INAC did not agree that Great Slave Lake was the receiving water body from the City’s treatment system. INAC maintained that the compliance point should remain at F3 as previously defined within the water licence. In response, the City stated that it would not apply for a relocation of the compliance point from F3 to a downstream location. INAC recommends that the compliance point remain at F3. If the City feels it should be changed in the future an amendment of the water licence will be required and further study should be undertaken to determine the performance of the municipal wastewater treatment system.

**RECOMMENDATION #5:** *INAC recommends the compliance point for the wastewater treatment facility remain at Station F3. If the City wishes to relocate the compliance point an amendment of the water licence will be required. Accordingly, additional study should be undertaken to determine the performance of the municipal wastewater treatment system.*

### **CBOD Analysis**

The City currently tests for BOD at Stations F1 and F3. Currently, CCME Municipal Wastewater Strategy for the Treatment of Municipal Wastewater Effluent uses CBOD as an indicator for the quality of municipal wastewater. The City previously requested that the Board decide whether BOD or CBOD should be tested within the renewed licence. At the technical sessions held by the MVLWB, INAC provided rationale as to its recommendation that both parameters be sampled for a specified period of time within the renewed water licence. Specifically, INAC suggested that both BOD and CBOD be sampled by the City. This would maintain the existing long-term BOD dataset collected by the City, but also have a period of overlap with the required CBOD analysis, enabling the creation of a relationship between BOD and CBOD. INAC believes CBOD and BOD should be tested for a minimum of 3 years in order to create the relationship. After 3 years, it is recommended that the City provides a trend analysis of the data collected for review and approval by the Board. At that time, the sampling requirements could be revisited.

**RECOMMENDATION #6:** *INAC Recommends that CBOD be added to the list of parameters sampled at SNP 0032-F1 and 0032-F3 in Part B, Section 1 of the current water licence, for a minimum period of 3 year period. After the 3 years, the City should provide a trend analysis to the Board for review and approval. At that time, sampling requirements could be revisited.*

## **4.0 SOLID WASTE FACILITY**

### **SNP - Surface Water Locations**

INAC believes that the SNP requirements associated with the solid waste facility should be revisited to reflect potential locations where runoff from the facility may occur. The location of SNP 32-13 should be revisited considering the drainage from the snow dump. The relocation should be assessed in conjunction with the INAC Inspector.

**RECOMMENDATION #7:** *INAC recommends that the location of SNP 32-13 be revisited taking in consideration the drainage from the snow dump. The relocation should be assessed in conjunction with the INAC Inspector.*

The Drainage Study recommended that monitoring station 32-15 be relocated to the west side of Highway #4 to limit the influence of roadway runoff on sampling results.

**RECOMMENDATION #8:** *INAC recommends that monitoring station 32-15 should be relocated to the west side of Highway #4 to limit the influence of roadway runoff on sampling results, as recommended in the Drainage Study conducted by the City.*

### **Compost Facility - Records**

The City is currently recording the quantity of organics received at the compost facility and will also be recording the amount of compost produced and/or distributed. The City has committed to including this information in the City's Annual Water Licence Report.

**RECOMMENDATION #9:** *INAC recommends that the quantity of organics received as well as the amount of compost produced and/or distributed at the compost facility be recorded and be included within the Annual Report.*

### **Composting Facility - Leachate**

The City collects, handles, and disposes leachate collected from their composting facility. The City has stated that all collected water, including leachate from the compost facility, is tested before discharging it to the lagoon. The City has committed to recording the quantity collected water taken to the lagoon in the City's Annual Water Licence Report. It is unclear to INAC whether or not all collected water is discharged to the lagoon or if water of acceptable quality is also discharged directly to the receiving environment. INAC recommends that all water collected at the composting facility be sampled prior to discharge, regardless of disposal location. A SNP monitoring location should be established within the water licence and results submitted within the Annual Report.

**RECOMMENDATION #10:** *INAC recommends that all water collected at the composting facility be sampled prior to discharge. A new SNP monitoring location should be established in the water licence and results submitted in the Annual Report.*

### **Groundwater/Leachate Monitoring**

It is INAC's understanding that the City is not intending to characterize the subsurface drainage patterns at the current Solid Waste Disposal Facility. INAC believes that such

study is imperative to proper closure of the current landfill facility. INAC recommends that subsurface seepage patterns, leachate characterizations, and integrity of the bedrock (fracturing) be investigated at the site. Based on these investigations, a leachate modelling and monitoring plan should be developed. This plan should include:

- Subsurface leachate modelling.
- Recommended subsurface monitoring locations
- Leachate management and monitoring after closure.

**RECOMMENDATION #11:** *INAC recommends that a leachate modelling and monitoring plan be submitted to the Board for review and approval. Following approval, INAC recommends that additional SNP monitoring locations be determined for subsurface drainage and incorporated in the water licence.*

### **Contaminated Soils**

The City has been operating a contaminated soil facility since the summer of 2007. An INAC Inspection report in 2008 indicated that the volume of contaminated soil received has exceeded the capacity of the asphalt treatment pad. While runoff water from the pile on the asphalt pad is collected and treated at the landfill water treatment plant, the runoff from additional contaminated soil stored beside the asphalt pad facilitated the migration of contaminants into the landfill.

At the technical sessions held by the MVLWB, the City of Yellowknife identified that additional capacity at the hydrocarbon contaminated soil treatment facility had been constructed. INAC is pleased that the City has addressed the apparent lack of storage capacity at the facility.

INAC understands that leachate from the hydrocarbon contaminated soil treatment facility is collected, and should it meet acceptable criteria, is discharged from the facility to the surrounding environment. Should leachate not be acceptable for release, it is stored onsite. The location and method of storage of leachate on site is not clear to INAC at this time.

INAC recommends that the City update its Operation and Maintenance Manual to include the operation of the Contaminated Soil Treatment Facility. The Plan should include how the City will manage future increases in soil volume, how leachate will be tested and analyzed, how results will be reported, and how leachate will be discharged or stored.

**RECOMMENDATION #12:** *INAC recommends that the City update its Operation and Maintenance Manual to include the operation of the Contaminated Soil Treatment Facility. The Plan should include how the City will manage future increases in soil volume, how leachate will be tested and analyzed, how results will be reported, and how leachate will be discharged or stored.*

### **Closure and Reclamation Plan**

INAC believes that the development of a Closure and Reclamation Plan is an important aspect of any undertaking. Throughout the lifespan of a project, there are three stages of development of a Closure and Reclamation Plan:

- Preliminary Closure and Reclamation Plan (Conceptual CRP)
- Interim Closure and Reclamation Plan
- Final Closure and Reclamation Plan

A preliminary CRP is generally prepared in conjunction with planning and permitting. The general purpose is to demonstrate how the site is to be reclaimed and to describe likely residual risks to human health and the environment.

Several interim CRPs are typically prepared during the life of a project. Interim CRPs are prepared on a regular basis, and may coincide with changes to the project plan, or key milestones during the life of the project. Interim CRPs would include updates based on information collected during reclamation research activities. The general purpose of interim CRPs is to update preceding plans according to the current project plan, changes in community values, or advances in technology. Interim plans contain conceptual detail on reclamation of components that will not be closed until the end of project operations, as well as operational detail for components which will be progressively reclaimed earlier in project life.

The final CRP should be prepared and approved prior to a scheduled permanent closure or immediately after an unplanned closure. This version of the CRP is to contain detailed information on the reclamation activities that will be undertaken at the site.

INAC recommends that the City be required to develop a Closure and Reclamation Plan for the Solid Waste Disposal Facility. This Plan should be a requirement of the water licence and be submitted to the MVLWB for review and approval. This Plan should include detailed information regarding the upcoming reclamation of the existing cell, as well as preliminary/conceptual information for the new landfill cell.

INAC is concerned that the City is not proposing to characterize the drainage at the existing landfill prior to closure of the site. The submitted Solid Waste Facility Drainage Study outlined the following major findings and recommendations regarding surface and sub-surface runoff investigations:

- Surface water flows on site and migration off site are currently uncontrolled.
- A total of seven distinct drainage areas within the landfill lease limits have been identified and should be taken into consideration for the monitoring and drainage programs.
- Based on the information supplied by the City, not all of the test parameters for the SNP as specified in the license have been met. In recent years, samples have not been analyzed for any of the parameters in the major ion grouping or for oil and grease

- A consistently low pH was observed at Site 32-13.
- The complete set of required parameters should be tested in future years.
- Future sample analysis should include dissolved metals to reduce the impact of suspended particles in the water column and to facilitate comparison among monitoring stations.
- Significant indications of leachate migration have not been detected based on the information provided as part of the surface runoff investigation. Additional investigations should be pursued to further investigate subsurface seepage patterns, leachate characterizations, and integrity of the bedrock (fracturing).
- If additional accuracy of bedrock surfaces and leachate characteristics is required, selected confirmatory site boreholes could be completed at the site.

INAC recommends that the outstanding information identified in the Solid Waste Facility Drainage Study be included within the Closure and Reclamation Plan for the site.

**RECOMMENDATION #13:** *Indian and Northern Affairs Canada recommends that the City submit a Closure and Reclamation Plan for review and approval before closure of the Solid Waste Facility. The Plan should include detailed information regarding the upcoming reclamation of the existing cell as well as preliminary/conceptual information for the new landfill cell. The Plan should also include how leachate, surface and subsurface runoff will be monitored and modelled during and after closure as described in the Solid Waste Facility Drainage Study.*

#### **New Solid Waste Facility**

The City submitted a “New Solid Waste Facility – Preliminary Design Report” along with the application. In the report, it suggests the existing quarry area to the north of the existing landfill be identified as the location for the new landfill. The new proposed landfill is designed with liner and leachate collection. INAC is pleased to see the City being pro-active in designing a proper landfill. INAC recommends that the City submit its final design to the Board for review and approval prior to building the new landfill. The final design should include engineer approved drawings.

**RECOMMENDATION #14:** *Indian and Northern Affairs Canada recommends that the City submits the final construction designs of the new landfill. These designs, which are to be approved by an Engineer, should be submitted to the Board for review and approval.*

#### **Operation and Maintenance Plan**

Defined operation and maintenance procedures at the new solid waste facility will contribute to successful operation of the site by City personnel. Such a plan will outline regular day-to-day operational procedures, as well as periodic inspection and maintenance of onsite infrastructure. INAC feels the plan should also include details on analytical testing, collection and treatment of leachate from the site. In addition, INAC stresses the importance of defining routine inspection schedules and associated maintenance of infrastructure, in particular, the liner and leachate collection system to be utilized at the new solid waste facility. To this end, INAC recommends that the City

submit an Operation and Maintenance Plan for review and approval prior to the commencement of operations at the new landfill. The Operation and Maintenance Plan should include, but not be limited to, leachate monitoring and treatment and liner maintenance and inspections.

**RECOMMENDATION #15:** *INAC recommends that the City submit an Operation and Maintenance Plan for review and approval prior to the commencement of operations at the new landfill. The Operation and Maintenance Plan should include, but not be limited to, leachate monitoring and treatment and liner maintenance and inspections.*



## 6.0 STORM WATER MANAGEMENT

After being a requirement of the water licence for more than five years, the Municipal Stormwater Management Plan (MSWMP) was submitted for a first time to the MVLWB in December of 2008, and again as a revised version in April 2009. While the Board accepted the plan's 2009 Storm Effluent Monitoring Program, the rest of the MSWMP has not been yet approved by the Board and the City has been asked, in the next version to be submitted, to address all technical reviewers' comments and concerns submitted with the most recent version in April 2009. The City has committed to provide an updated version of its MSWMP in February 2010, which shall be submitted to and approved by the Board. Indian and Northern Affairs Canada recommends the following conditions be included in the new MSWMP:

- a) The results from 2009 Storm Effluent Monitoring Program;
- b) Best management practices in order to address any potential issues reflected through the 2009 Storm Effluent Monitoring Program;
- c) The City shall demonstrate its understanding of the stormwater characterization trends at each of the seven sampling locations by providing trends of biological and heavy metal data collected in the Storm Effluent Monitoring Program (short term) and SNP monitoring station (long term);
- d) The City's commitment to long term monitoring through the addition of strategic sampling locations within its SNP program;
- e) The continuation of monitoring for hydrocarbons as performed during the 2009 sampling program;
- f) A commitment to analyze and report on best management practices for stormwater management which the City intends to adopt along with any expansion to the Yellowknife stormwater system;
- g) The implementation of back-up power to all lift stations which the City is planning to have in place by 2014.

**RECOMMENDATION #16:** *Indian and Northern Affairs Canada recommends that the City of Yellowknife update its Municipal Stormwater Management Plan (MSWMP) to address all concerns raised during the review of the 2009 MSWMP. The updated Plan should be submitted to the MVLWB for review and approval.*

## **REFERENCES**

**All the references below can be found on the MVLWB Web site under the City of Yellowknife Water License application MV2009L3-0007 (<http://www.mvlwb.ca/mv/reg.aspx?app=MV2009L3-0007>)**

The City of Yellowknife Spill Contingency Plan, City of Yellowknife, June 2009

City of Yellowknife Municipal Stormwater Management Plan, City of Yellowknife, March 2009

Expansion of Fiddler's Lagoon Treatment System Plan, Dillon Consulting Limited, March 31<sup>st</sup> 2009

City of Yellowknife Solid Waste Facility – Drainage Study, Dillon Consulting Limited, December 2006

New Solid Waste Facility Preliminary Design Report, Dillon Consulting Limited, April 21<sup>st</sup> 2006.

## Rob Dobson

---

**From:** Lynn Carter - MVLWB [lcarter@mvlwb.com]  
**Sent:** Monday, November 30, 2009 3:41 PM  
**To:** 'Rob Dobson'  
**Subject:** FW: INAC Intervention - City of Yellowknife  
**Attachments:** INAC Intervention - City of Yellowknife - November 2009.pdf

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

**From:** Catherine Mallet [mailto:Catherine.Mallet@inac-ainc.gc.ca]  
**Sent:** Friday, November 27, 2009 2:09 PM  
**To:** lcarter@mvlwb.com  
**Cc:** Jeanne Arsenault; Robert Jenkins; Scott Stewart; Teresa Joudrie  
**Subject:** INAC Intervention - City of Yellowknife

Lynn,  
See attached INAC Intervention regarding the City of Yellowknife Water License application.  
Thanks,  
Catherine

Catherine Mallet  
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Indian and Northern Affairs Canada  
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