

**MACKENZIE REGIONAL  
LANDFILL AUTHORITY**

ANNUAL

REPORT

2002

Approval No. 73493-01-00

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## MACKENZIE REGIONAL LANDFILL AUTHORITY

### 2002 Authority Manager's Report

# Mackenzie Regional Landfill Authority

#### 2002 Authority Manager's report

It is my privilege to submit the Mackenzie Regional Landfill Authority 2002 Annual Report and to provide an outline of the progress and accomplishments achieved. The success of the regional solid waste management program during 2002 has been the result of a collective team effort spearheaded by the dedication and leadership of our Directors.

During 2002 the following items were achieved:

- Access Road to Liquid Sump was remodified and graveled
- Old Monitoring Wells were found and put back in service
- Reestablished the partners of the Authority, the Partnership is comprised of the Municipal District of Mackenzie #23, Town of High Level and the Town of Rainbow Lake
- Formation Agreement and a Sublease were signed between the Authority Partnership
- Signed an agreement with WasteCo to farm Hydrocarbon contaminated waste
- Purchased the Seale Office
- Placed an Oil Recycling facility at the landfill through an agreement with Alberta Used Oil Recycling

In summary over the last year, operation of the Landfill has gone well. There has been a slight increase in waste received. We received almost no complaints. The ones we received were regarding the condition of the access road and a bear residing at the landfill in the fall. Our Landfill operator did a great job in operating the landfill.

I look forward to another busy year and will continue to pursue an environmentally sound approach to solid waste management.

Respectfully submitted,

Ron Pelensky  
Authority Manager

## **The Mackenzie Waste Management Authority**

The Authority is composed of elected officials from the Municipal District of Mackenzie, the Town of High Level and the Town of Rainbow Lake. It was established by agreement and registered as a landfill with Alberta Environment.

The Authority has appointed the Town of High Level to act as the Landfill Manager with the Director of Public Works for that municipality overseeing the operation.

The day-to-day operation of the landfill has been contracted by the Authority to Bill Jenkins Enterprises of High Level. This contract expires December 30, 2002.

### **A. Weight and Type of Waste Received**

The Summary of weight and category of waste, is attached for your review. This information is logged on a daily basis and submitted monthly by the operator, Bill Jenkins Enterprises. The waste for 2002 was placed in Cell 4.

Please note that the Figures recorded from the Weigh Scales are unadjusted and do not reflect any adjustments made in the billing process for individual customers. In 2002 we received 20151 tonnes of waste, an increase of 4782 tonnes. We placed 17799 tonnes in Cell 4. The balance of the weight was comprised of Burnable waste, Sump and recyclables.

In addition, Maltais Surveys provided a survey of our current Cell 4, giving the elevation to be **333.8 m**. This is well within the maximum elevation of **339.0 m** allowed by our approval. The volume of refuse in Cell 4 is given to be approximately **65 334 m<sup>3</sup>**. In 2002 we placed **12 660 m<sup>3</sup>** of waste Cell 4.

### **B. Weight and Type of Material Removed**

The Mackenzie Regional Landfill diverts metal, tires, white goods, batteries, pesticide containers, oil, oil filters and oil containers. Record of the recyclable material is kept by Bill Jenkins Enterprises and submitted monthly by them to Environment. In 2002 the recycling program for the Town of High Level was operated by Bill Jenkins Enterprises. The Town recycles cardboard, metal cans, paper, milk jugs and glass. The continuing low market prices and long hauling distances continues to make recycling financially difficult. Metals are also diverted to a scrap metal yard on

Bill Jenkins Enterprises property. As these metals are not weighed the Authority does not have tonnage records.

### **C. Hazardous Waste Detection**

There have been no hazardous wastes in this past year.

### **D. Location of Waste Deposited**

The following categories of waste have clearly designated areas within the landfill:

- Household waste and general waste. This is buried in the main pit
- Wood waste. This is piled separately then burnt
- Tires
- Metal Goods Storage
- Vehicles
- Pesticide Containers
- White Metals
- Batteries
- Oil and Oil Products
- Liquid Sump

The map of the landfill indicates the location of each area.

### **E. Cover Thickness**

An overall average of six (6) inches of cover thickness is maintained.

### **F. Working Face Width**

An average seventy-five (75) foot working face is maintained.

### **G. Leachate Level Monitoring**

The volume of leachate in the north portion of the Cell 4 is approximately **1500 m<sup>3</sup>** as per the report from Maltais Surveys.

### **H. Leachate Analysis**

The report from Matrix Solutions Inc. is attached

## **I. Surface Water Monitoring**

The landfill manager and the landfill operator, Bill Jenkins Enterprises, monitor the surface water on a continuing basis.

## **J. Final and Intermediate Cover**

No cells have been closed this past year and the current cell is expected to last well into 2005. There is cover available to complete this.

## **K. Groundwater Monitoring**

Attached for your review is the Groundwater Monitoring report completed by WasteCo. Environmental Services Ltd.

## **L. Operations Plan Revisions**

There were no revisions during the year.

## **M. Public complaints**

### **Entrance Road**

We received a small number of complaints relative in the spring to the muddy road to the pit. This problem was decreased by placing a 20-yard bin adjacent to the scale-house so the vehicles didn't have to drive to the pit during spring conditions. The entrance road to the liquid sump has also been regravelled.

### **Other complaints**

One complaint was received from Alberta Sustainable Resource Development (Fish and Wildlife Division) regarding bears at the landfill.

## **N. Environmental or Compliance Audits**

The Ministry of Environment completed an inspection report of the facility on July 25, 2002 they had concerns with plastics found in the burning area, the pesticide container collection area included containers other than those used for pesticides, there was evidence of spills/ leakage of used oil container area and the

waste ash loads were being deposited in the wrong area. We have addressed most of them however we still need to add more locks to some monitoring wells and clean up the ash.

### **O. Audit by Third Party Consultant**

There were no audits conducted this year.

### **P. Run-off or Run-on Problems**

In 2002 we had no problems. Any run-off water is contained within Cell 4 and drained to the back of that cell.

### **Q. Operational Problems and/or Emergencies**

We had no operational or emergency problems.

### **R. Landfill Operator**

The landfill operator is Lorretta Jenkins. She holds a Level IIB conditional Certificate.

### **S. Communities and Businesses Served**

The Landfill serves the municipalities, communities and businesses of:

- The Town of High Level
- The M.D. of Mackenzie #23
- Hamlet of Fort Vermilion
- Hamlet of Zama
- Hamlet of LaCrete
- The Town of Rainbow Lake
- Paddle Prairie Metis Settlement
- Dene Tha First Nations

Within these municipalities, reserves and settlements there are a number of unincorporated communities, various industries, hundreds of businesses and residents. Their waste is collected by various means, both directly and via transfer stations.

### **T. Other Aspects of the Landfill**

- Surface Water Management  
This is performed according to the terms of the Approval in Section 4.4
- Construction  
There was no construction during the year
- Land Treatment

- There was none during the year
- Waste Management  
This is performed according to the terms of the Approval in Section 4.5
  - Gas Monitoring and Management  
There is none required at the landfill
  - Groundwater Monitoring  
This is performed according to the terms of the Approval. Monitoring and testing is done by a third party laboratory as attached.
  - Closure of Cells  
No cells were closed during the year.

## **U. Remaining Landfill Space.**

In the present cell there is a life expectancy of 2 to 3 years. Within the total site the life expectancy is estimated at approximately 40 years. This will be dependant on many factors, such as recycling initiatives, compacting of the garbage, and future cell design.

## **Conclusion**

The Authority therefore respectfully submits this Report. Should any further information be required please feel free to request such.

Mackenzie Regional Landfill Authority  
High Level, Alberta

March 30, 2003

## Mackenzie Regional Landfill Authority

### 2002 Rates

#### Regular Commercial Waste

Waste \$25.40 per tonne

#### Residential Waste

Waste \$25.40 per tonne

#### Special Waste

Scrap metals \$25.40 per tonne

Fridges \$25.40 per tonne

- without Freon removed

Asbestos \$25.40 per tonne, plus equipment time to bury it

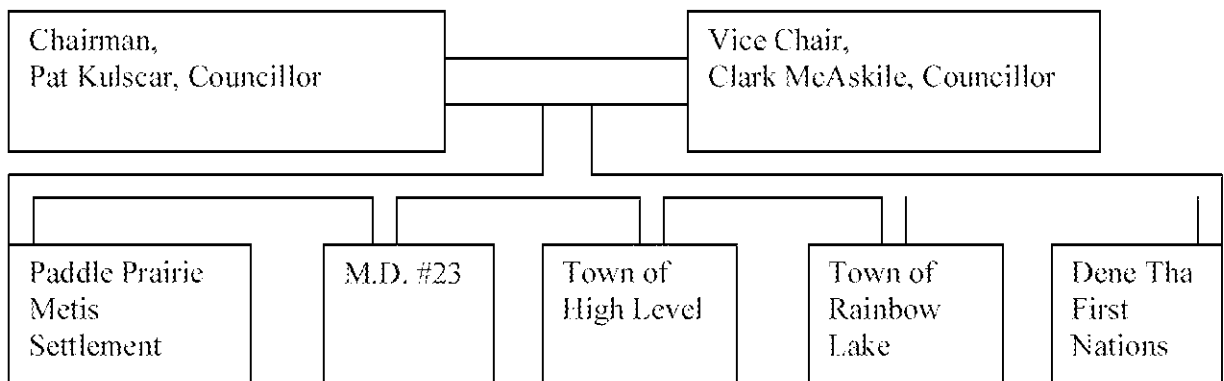
- by appointment any received only in the summer

#### Hours of Operation

- Monday, Tuesday, Thursday, Friday Open 8am to 4 pm
- Closed to the public on Wednesday Town of High Level residential waste is delivered to landfill
- Sunday Open 1pm to 5pm
- Closed all Civic Holidays



2002 (Jan to Oct)  
 Organizational Structure  
 Mackenzie Regional Landfill Authority



Authority Manager  
 Dianne Hunter  
 Chief Administrative Officer  
 Town of High Level

Treasurer  
 Director of Corporate Services  
 Town of High Level

Auditor  
 Ernst and Young

Member Municipalities

Town of High Level

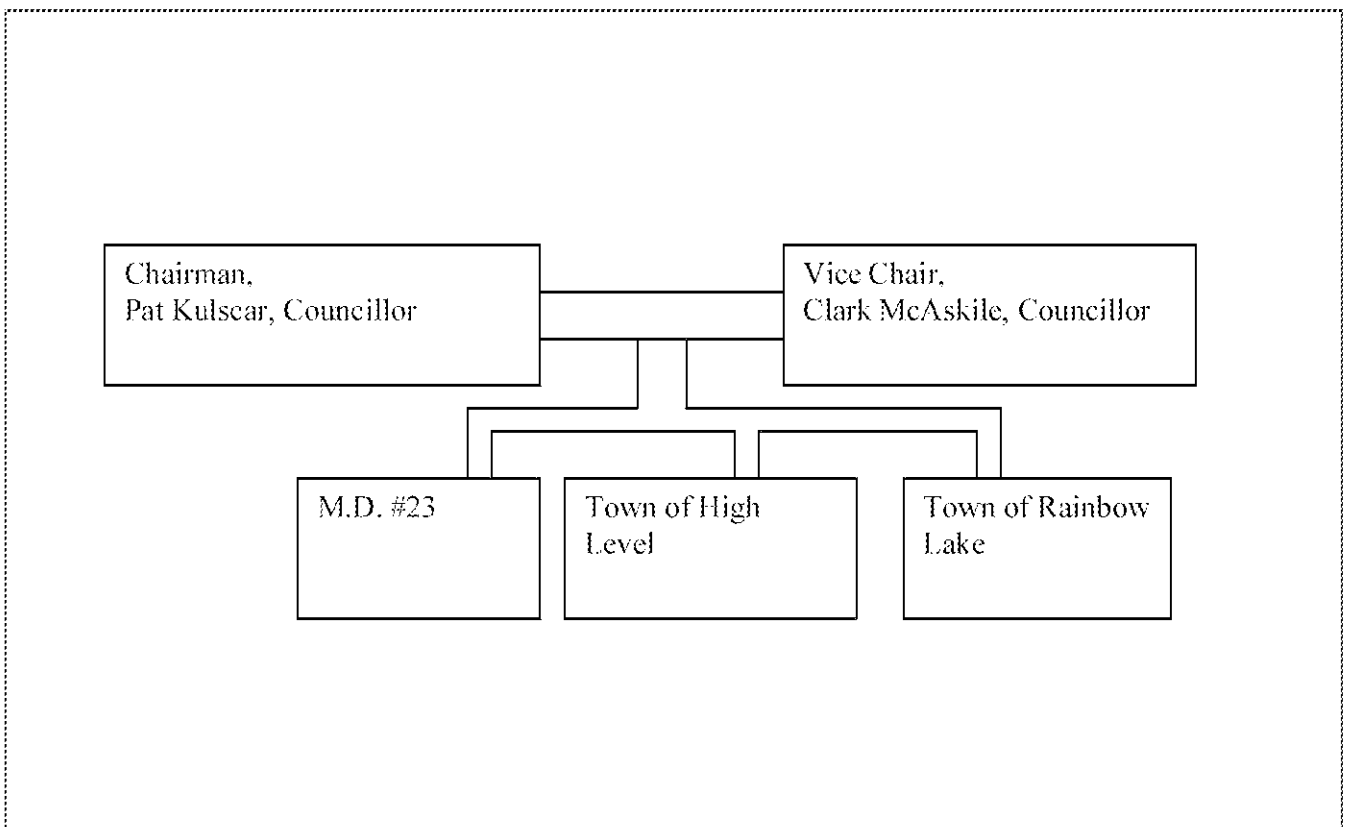
Members

Councillor Clark McAskile

Town of Rainbow Lake  
 Municipal District of Mackenzie  
 Paddle Prairie Metis Settlement  
 Dene Tha First Nations

Councillor Wayne LaGroix  
 Councillor Daryl Lonely  
 Councillor Wayne Thiessen  
 Councillor Pat Kulscar  
 Councillor Steve Ahnessay

**2002 (Nov to Dec)  
 Organizational Structure  
 Mackenzie Regional Landfill Authority**



Authority Manager  
 Dianne Hunter  
 Chief Administrative Officer  
 Town of High Level

Treasurer  
 Director of Corporate Services  
 Town of High Level

Auditor  
 Ernst and Young

Member Municipalities

Town of High Level

Members

Councillor Clark McAskile

Town of Rainbow Lake  
Municipal District of Mackenzie

Councillor Jerry Chomiak  
Councillor Daryl Lonely  
Councillor Wayne Thiessen  
Councillor Pat Kulscar

## 2002 Corporate Report

### Meeting Dates

Regular meetings in 2002 were held on the following dates;

March 18, 2002	High Level Council Chambers
August 15, 2002	High Level Council Chambers
August 30, 2002	High Level Council Chambers
October 6, 2002	High Level Council Chambers
November 22, 2002	High Level Council Chambers
December 10, 2002	High Level Council Chambers

### LANDFILL OPERATING CONTRACT

Operation of the landfill is provided by Bill Jenkins Enterprises under an operating agreement with the Town of High Level which is adopted by the Authority.

The term of the agreement is for (5) five years, commencing on January 1, 1998 and ending on December 31, 2002, unless terminated earlier in accordance with terms contained therein.

The current contract is based on \$17,500 per month.

## **AUTHORITY RESOLUTIONS**

Resolutions Passed by the  
Mackenzie Regional Waste  
Management Authority 2002.

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The Resolutions stated in this section have been taken directly from the minutes of the Authority meetings.

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### ***March 18, 2002 Meeting***

#### **Proposed Authority Formation Agreement**

Moved by Councillor McAskile

That a letter be sent to each party of the Authority Formation Agreement requesting their signature.

**CARRIED**

#### **Proposed Sublease Agreement**

Moved by Councillor Thiessen

That a letter be sent to each party of the Sub Lease between the Authority members and the Town of High Level, requesting their signature.

**CARRIED**

#### **Proposed WasteCo Agreement**

Moved by Councillor McAskile

That a letter be sent to each party of the Authority's agreement with WasteCo for signature.

**CARRIED**

#### **Financial Update**

Moved by Mayor Mihaly

THAT the draft audited financial statements for 2001 be accepted for information.

**CARRIED**

Moved by Mayor Mihaly

THAT the March 2002 Financial Information be accepted for information.

**CARRIED**

## **AUTHORITY RESOLUTIONS**

### *August 15, 2002 Meeting*

#### **Northwestern Health concerns on land farming hydrocarbons**

Moved by Wayne Thiessen

THAT the Northwestern Health Services Region report on treating hydrocarbon-contaminated soil be accepted for information.

**CARRIED**

#### **WasteCo agreements and Sublease, and Formation Agreement**

Moved by Clark McAskile

THAT in lieu of the risk and responsibility of membership in the Mackenzie Regional Waste Management Authority, non-members be charged an additional tonnage fee of Twenty Five (25%) per cent.

**CARRIED**

Moved by Wayne Thiessen

THAT a letter be sent to Paddle Prairie Metis Settlement and to the Dene Tha that the deadline for signing the Formation Agreement is September 13, 2002, and after that date the non-member fee will be levied on their tonnage.

**CARRIED**

#### **Scale Shack purchase**

Moved by Clark McAskile

THAT the Scale Shack be tabled to the next meeting for more information

**CARRIED**

#### **Financial report for July 2002**

Moved by Wayne Thiessen

THAT the financial report for July 2002 be accepted for information.

**CARRIED**

## **Authority Resolutions**

### *August 30, 2002 Meeting*

#### **Audited Financial Statements for 2001**

Moved by Wayne Thiessen

That the 2001 Audited Financial Statements of the Mackenzie Regional Waste Management Authority be accepted.

**CARRIED**

### *October 6, 2002 Meeting*

#### **Alberta Environment inspection**

Moved by Wayne Thiessen

THAT the letters be accepted as information

**CARRIED**

#### **Offer to accept the oil recycling facility**

Moved by Mike Mihaly

THAT the Authority accept the offer from Alberta Used Oil Recycling Corporation to rent an oil collection facility.

**CARRIED**

#### **Operator Training course**

Moved by Clark McAskile

THAT the Authority authorize attendance and pay the cost to send up to three people to an Operator Training Course, being one from each municipality.

**CARRIED**

#### **Report on proposed agreements (Formation agreement, Sub lease and Waste co agreement**

Moved by Mike Mihaly

THAT there will be no additional fee charged to current members for not signing the agreement, until January 1, 2003.

**CARRIED**

### **Authority Resolutions**

#### **Request for funding for the additional monitoring wells**

Moved by Wayne Thiessen

THAT the Authority proceed with the repair to the broken groundwater monitor wells, and install two new wells, at an estimated cost of \$5,325, to be funded from unused funds.

**CARRIED**

#### **Landfill Contract**

Moved by Doug Halwa

THAT the Authority request administration to tender the Landfill Contract for the period commencing January 1, 2003.

**CARRIED**

Moved by Wayne Thiessen

THAT the Authority move in-camera to discuss the landfill contract.

**CARRIED**

Moved by Doug Halwa

THAT the Authority move out of camera.

**CARRIED**

#### ***November 22, 2002 Meeting***

#### **Landfill Operation Contract Selection**

Moved by Wayne Thiessen

THAT the Mackenzie Landfill Operation Contract, commencing January 2003, be awarded to Planet Recycle (North) Inc for the amount of \$1,105,000.00 for a period of five years.

**CARRIED**

#### **Proposed Opening of Times of Landfill**

Moved by Wayne Thiessen

THAT the landfill hours of operation effective January 1, 2003 be set as follows:  
Monday, Tuesday, and Thursday, from 8 a.m. to 5 p.m.;  
Friday and Saturday from 9 a.m. to 5 p.m.; and  
Wednesday and Sunday to be closed.

### **Authority Resolutions**

Moved by Clark McAskile

THAT there will be no dumping at the landfill after hours, effective January 1, 2003.

**CARRIED**

### **Comparison of and Authority and a Commission**

Moved by Wayne Thiessen

THAT each municipality request their council's support for the Authority to pursue the status of a  
Waste Management Commission.

**CARRIED**

### **Purchase of Scale House Building**

Moved by Clark McAskile

THAT the Authority accept the offer of \$40,000 for the purchase of the scale house building.

**CARRIED**

### **Financial Report**

Moved by Clark McAskile

That the Financial Report for January to October 2002 be accepted as information.

**CARRIED**

### **2003 Budget**

Moved by Councillor Thiessen

THAT the 2003 Budget be adopted.

**CARRIED**

### **Financial billing change**

Moved by Deputy Mayor McAskile



THAT the haulers be charged the tipping fee instead of the producers of the waste, effective March 1, 2003.,  
with the exception of municipal waste.

**CARRIED**

## **Authority Resolutions**

### **Financial Report**

Moved by Councillor Chomiak

THAT the November Financial Report be accepted for information.

**CARRIED**

