

**MACKENZIE REGIONAL
LANDFILL AUTHORITY**

ANNUAL

REPORT

2002

Approval No. 73493-01-00

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 m³**. In 2002 we placed **12 660 m³** 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 m³** 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

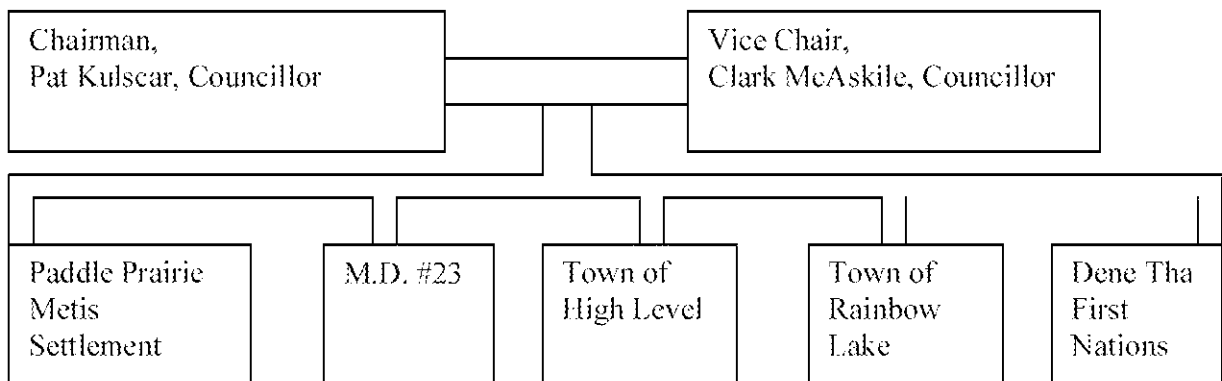
Asbestos \$25.40 per tonne, plus equipment time to bury it

- 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
landfill Town of High Level residential waste is delivered to
- 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

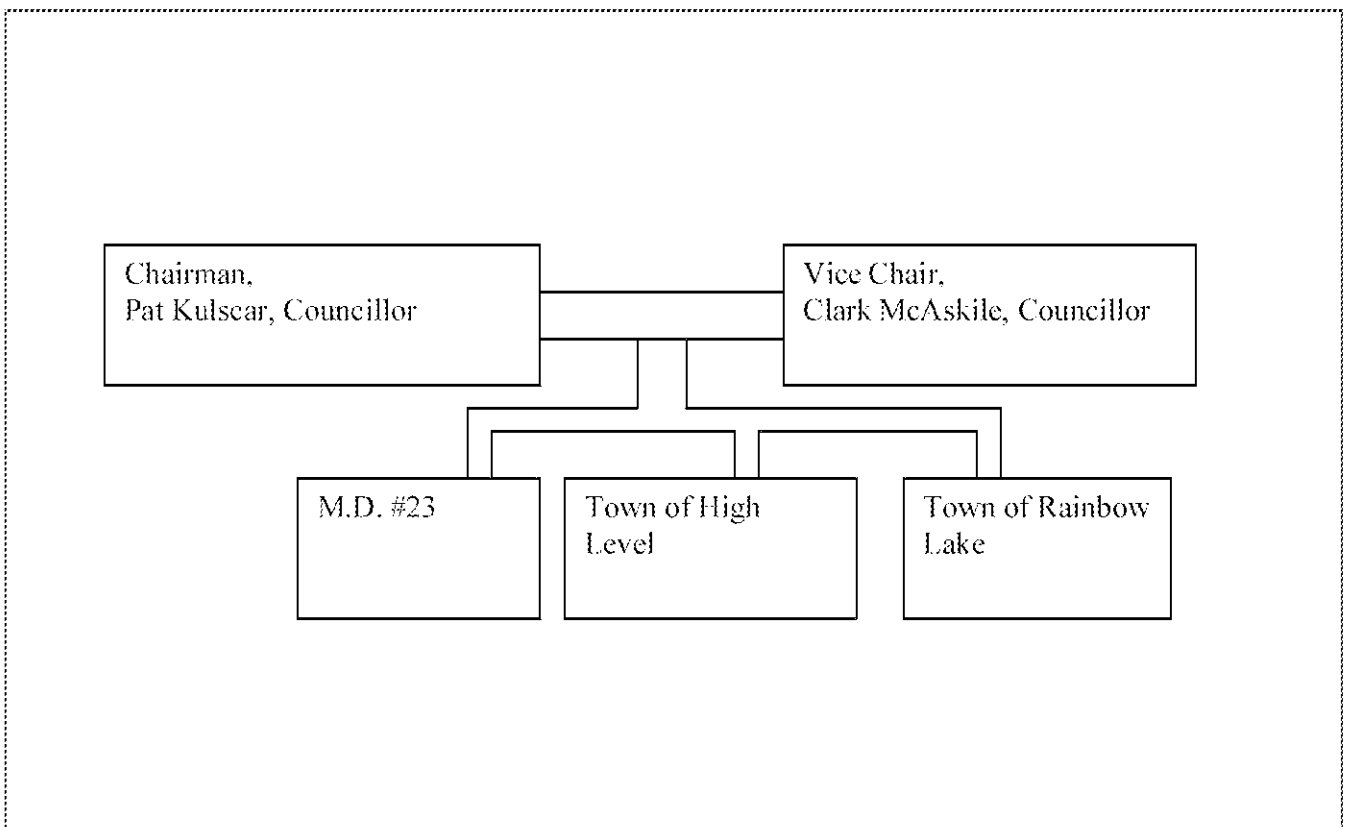
Members

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.

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

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

