



Central Newfoundland Waste Management

P. O. Box 254, Norris Arm, NL, A0G 3M0

Phone: 709 653 2900

Fax :709 653 2920

Web: www.cnwmc.com E-mail: Info@cnwmc.com

TECHNICAL COMMITTEE MEETING Regional Site, Norris Arm 10:00 a.m.
October 17, 2013

Attendance:

Allan Scott	Ex-Officio – Chair CRSB
Marjorie Gaulton	Norris Arm North
Ed Evans	Manager, CNWM
Karen White-Attwood	Executive Assistant/Finance, CNWM
Mark Attwood	Operations Supervisor – CNWM
Glenn Arnold	CNWM Board Director
Boyd Wright	Municipal Affairs
Tammy McDonald	Environment & Conservation – Conference call
Wayne Manuel	Bae NewPlan

Apologies

Jeff Saunders, Chair	Town of Grand Falls-Windsor
Joe Dunphy	Municipal Affairs
James Blackwood	Town of Gander
Robert Locke	Service NL
Frank Huxter	Municipal Affairs

1. Review of previous Minutes – September 19, 2013 - No errors or omissions
2. Update– Progress Report from Bae NewPlan

Regional Site

RS05 Landscaping

- Concept Plan for entrance to be prepared
- On hold pending funding requirements

RS10 Site Buildings (Bluebird Investments)

Administration building, Scale House, Maintenance Garage

- Deficiencies still remaining
- Holdback \$29,000
- Mechanical deficiencies have been completed. (advised by subcontractor) follow up inspection required
- Settlement with Bluebird on TS02 may involve keeping \$29,000 and CRSB finishing deficiencies

RS11 Leachate Treatment

CP1 Wetland (Marine Contractors)

- Holdback \$169,483.50
- Results of testing indicated copper & iron over the limits
- Results have been sent back to contractor for explanation, further testing required

CP3 Building (H&B Construction)

- H&B has advise that all deficiencies correct except one which will be completed shortly

Results from Leachate Testing

The good news is that the system appears to be working fairly well with BOD, TSS TP removals around 97% even though the recirculation system is inoperable. The bad news is that the effluent is well above what would normally be expected for a new landfill for all three parameters. As discussed in the pre-design for the leachate treatment system, the strength of the BOD from the young landfill was expected to be in the 20-500 mg/l range. It is presently over 800. Also the TSS is about 100 mg/l and was predicted to be around 50.

Both the BOD and TSS levels are attributable to the strength of the influent leachate. For a young landfill, the BOD is usually in the 9,500 mg/l range and the TSS is in the 250 mg/l range (this does not change as the facility ages). The influent BOD and TSS in the first round of tests were 33,000 and 7,100 mg/l respectively.

These results indicate the additional organic load from the fish wastes is severely compromising the performance of the leachate treatment system. Also the high TSS indicates the composition of the daily cover may be susceptible to separation and siltation which will hamper the operation and performance of the lagoon system in the future.

Acceptance/disposal of additional organic wastes should be stopped as soon as possible to bring the system back into parameters for which it was designed. Also, the daily cover operation should be reviewed to assess how to decrease the TSS load imparted on the leachate ponds.

It is recommended that sampling of the influent and effluent at the treatment lagoons continue until effluent concentrations approach that originally anticipated to determine the long term acceptability of additional organic loads.

Drawing prepared to add valve to landfill discharge. Contractor already ordered the valve and should be ready to install as early as next week. It is recommended that a monitoring tube be installed at the landfill and have it tied to the control valve to monitor flow rates and water levels. In the meantime we will add extra air to the system to help clean up the sedimentation ponds and help eliminate the odor.

RS12 Compost

- Decision made to defer work on compost until decision made on Western waste and results of Provincial RFP

RS13 MRF

Sorting System

- Proposed Contracts
 - CP1 Sorting Equipment (Machinex)
 - Contract Documents signed by all
 - First progress meeting held
 - Final drawings issued
 - Waiting on shop drawings

- CP2 Pre-engineered Building (Can AM Platforms)
 - Shop drawings approved
 - Concrete work complete
 - Steel on site

- CP3 Site Grading (Penney Paving)
 - Work Completed

- CP4 Building Mechanical and Electrical
 - Submitted to DMA for approval

- CP5 Site Servicing
 - Scheduled to be submitted to DMA Jan 07, 2014

- CP6 Site Paving
 - Scheduled to be submitted to DMA Feb 28, 2014

- CP7 Equipment
 - Scheduled to be submitted to DMA Dec 10, 2014

Projected Future Costs

- | | |
|--|------------|
| - Funding available | 20,445,084 |
| - Less preliminary revised MRF costs | 19,632,000 |
| - Funding available after MRF | 813,084 |
| - Cost priority one items | 1,533,443 |
| • Approx \$350 k of priority one items committed | |
| - Cost priority two items | 1,042,500 |
- The Chair discussed funding issue with the Minister on Sept 25, 2013 and outstanding priority 1 and 2 items will be included in 2014 budget.

- Shunt Truck or Tractor
- Sent to Government Purchasing for tender

- RS13 – MRF – Operations
- Work progressing on preparing RFP

- RS17 HHW - Items for Startup
- Certificate of Approval To Operate HHW from DOE
- Operations plan submitted to DOE

- Certificate of Approval to Collect and Transport HHW for DOE
- Operations and Emergency response plan submitted to DOE

FIRE PROTECTION

- Counter offer gone back to the Town of Lewisporte – no response to date

RS22 Fuel Storage (B&M Manufacturing)

- Looking at installing a refueling pad

Local Waste Management Facilities

TS02 Site Buildings (Bluebird Investments)

- Statement of claim made by Bluebird for 375k, Agreement signed between BNG and CRSB. Lawyers are negotiating settlement

TS06 Paving

NWI (Nortech Construction)

- Surface course completed on site
- Route 340 not resurfaced. Contractor has left the area and will not be back

Regional site Certificates of Approval from Environment

- COA for Regional Site received
 - Should have meeting with DOE to review COA
- COA for C&D landfill
 - Operation Plan being prepared
- Public Education Plan
- Environmental Monitoring Plan
 - Monitoring wells installed
 - Soon need to proceed with monitoring and testing
- Certificate of Completion required to be submitted
- Preliminary Facility Decommissioning Plan (within 1 year of COA)

- Work Started on decommissioning plan

C&D Transfer Vehicle

- Transfer unit supplied by Nexgen for Eastern waste

LWMF COA Plans required to be submitted to DOE

- Confirmatory list of specifications
- Operations and Maintenance plan
 - Draft plan submitted to DOE
- QA/QC protocols
- Facility operations plan
 - Draft plan submitted to DOE
- Education plan (the Education Plan for the Regional Site should cover this requirement)
- Facility Specific Environmental Monitoring Plan
 - Draft plan ready to submit this week
- Program to manage and control vectors, rodents, birds and wildlife
- Annual Monitoring of Operations Report (January 31 each year)
- Certificate of Completion required to be submitted
- Preliminary Facility Decommissioning Plan (within 1 year of COA)
 - Work started on decommissioning plan

EQ05 Heavy Equipment (Nortrax)

- Request to be made to DMA to purchase additional BHKO for Regional Site (on hold)

EQ 17 Data Management System (Strong Engineering)

- Route Hawk installed on four collection truck

EQ24 – Collection Trucks

- Airways contacted CRSB directly and are working on fixing the problem with the on board scales – Scales are working on two trucks

EQ25 – Bailer

- DMA holding approval pending final costs on MRF

Western Waste – Processing at Central Facility

-Central and Western Chairs sent a letter to the Minister of Municipal Affairs asking for the Province to fund the cost of refining the number for Western to bring its waste to Central. Western and Central Chair discussed this with ADM Mercer and was informed he would follow up.

- Sewage Sludge Treatment Study
Soiltec to prepare draft contract. Recommend keeping Septage treatment contract separate from any other disposal agreements

- BNG doing research on disposal of drilling mud

4. Progress Report from Meridian Engineering – Close out update

Package A - Certificate of Substantial Performance sign off on June 4, 2013
- COMPLETE

Package B - Further work on the Carmanville site, environmental issues reviewed by Pichin Leblanc Environmental

- Awaiting approval from D.M.A for final closeout.

Package C - Glenwood – Norris Arm Complete

- C.O. #1 Credit \$600.00, deletion of ditching for ATV trails (access) at Glenwood, Campbellton & Little Burnt Bay.
- C.O. #2 additional cover for the Lewisporte landfill site \$25,990.00. HST in.
- C.O. #3 additional coverage for Comfort Cove landfill site \$58,760.00. HST in. (done)
- C.O. #4 Moving and spreading asphalt waste at the Glenwood, \$21,470.00
- C.O. #5 Additional coverage for Norris Arm site \$10,450.24
- C.O. #6 \$32,000.00

Certificate of Substantial Performance signed off August 14, 2013

Package D Birchy Bay – Twillingate Awarded to R& K Construction Ltd. \$321,423.98, Contracts should be complete by the end of October. Twillingate is the last site to be closed out.

Package E Peterview – Leading Ticks to Cottrells Cove, Awarded to GMK Equipment Rentals Ltd. For \$327,263.26. Will be finished as of October 19/13

Package F –Motion to award to P & B out of Springdale in the amount of \$232,542.70. Project should be complete by mid-November.

Package G Gander – Grand Falls Windsor - Awaiting approval from DMA to go to tender. Request to delay close out until Spring/Summer 2014.

Package H St. Brendan's - Awarded to South Paw Transport for **\$110,280** (motion required) will begin next week, closing the end of October.

All should be closed 2014.

5. Other Business

- Regional Updates – Scheduling fall meetings for all regions. Hoping to have them

completed by end of November.

6. Next Meeting –November 21, 2013

7. Adjournment