



Accomplishments 2020

Employee Development and Safety

- The entire staff from the Landfill and Eco Centre worked on ideas to mitigate the risk of the COVID 19 virus. Direct contact with the public was drastically reduced or eliminated in most areas of the business. Extra PPE, hand sanitizer and alcohol wipes were purchased and are used on a regular basis by staff. Everyone understands and follows self isolation protocols both at work and at home. We worked with other landfills through Alberta Care to ensure that we were doing everything we can and to make sure that all landfills were managing congruently.
- Due to an abundance of caution, we did have 3 people tested and self isolate in 2020. There were no positive cases.
- Video conference was used for many meetings following the COVID 19 announcements and warnings at the end of March. These meetings included Northern Landfill Managers Spring and Fall meetings, Monthly PRWMC Board Meetings and the many meetings with vendors, engineers, etc.
- The GM was elected to the Board of Directors for SWANA and Alberta Care. Both are 2-year terms.
- The Government of Alberta awarded PRWMC with COR certification in January.
- We held regular monthly safety/staff meetings at the Landfill/Eco Centre. We found monthly meetings difficult to do following COVID 19 protocols at the landfill, so we scaled back to quarterly meetings. We will go back to monthly now as the new shop gives us a better venue to hold them.
- Performed Eco Centre and Landfill Orientations for all new commercial/business users.
- We had 2 staff members from the Eco Centre complete their First Aid and CPR Training.
- The GM attended an AHMSA Safety Course called Health and Safety Management Systems on September 14th and 15th along with 2 other landfill staff.

- 2 Landfill staff took an AHMSA Auditing Course on September 23rd and 24th.
- All our staff have updated their Whimis/TDG training.
- The GM completed the Leachate Management Course that is offered by SWANA.
- The General Manager's Alberta Landfill Operator Certificate, Alberta Compost Operator Certificate, and Manager of Landfill Operations Certificate have all been renewed for another 3 years.
- The GM attended a Lunch and Learn called Human Resource Best Practices on February 19th.
- A director and the GM attended the Waste to Energy Symposium in Fort Saskatchewan on March 12th.
- The GM and 2 councillors attended a Waste to Energy Workshop that was put on virtually by SWANA Northern Lights and the Saskatchewan Waste Reduction Council on December 3rd.
- The GM and 3 board members attended the Alberta Care Spring Conference on February 26 to 28th.
- The GM attended the Alberta Care Fall Conference in Pincher Creek from September 9th to 11th along with 3 directors.
- 2 Summer Students were hired and worked from May through to September. They did an exemplary job. They helped with the spring cleanup and had the landfill looking great all summer.
- The Eco Centre received the Collection Site Award of Excellence Award from ARMA for 2020.

Site and Operation Improvements

- We continue to remove plastic bales from the Eco Centre site to be placed at the landfill for storage until markets improve or we determine that it will be acceptable fuel for the Waste to Energy Equipment. We transferred 12 tonnes in 2020.
- The TOPR Spring and Fall Cleanups took place at the Eco Centre again this year. The Spring Cleanup took place later than usual with extra precautions to ensure staff and customer safety during the pandemic. We received 97 tonnes of waste in the spring and 70 tonnes in the fall.
- The Put & Take at the Eco Centre was closed as a precaution to COVID 19 at the end of March and remains closed.
- The Northern Sunrise County Spring and Fall cleanups were very successful again this year. We received 78 tonnes in the spring and 32 tonnes in the fall.
- Our metal recycler baled and hauled away 203 tonnes for recycling.

- We rented a wood shredder this year and shredded our clean wood pile. We shredded and repurposed about 578 tonnes in 2020.
- We hauled 4080 m³ of leachate out of our landfill for treatment and disposal. Although it is difficult to measure, we had a successful year with our evaporator. The weather cooperated and levels are down.
- All ground water and environmental monitoring has been done. There are no issues to report. The Annual Waste Management Report and the Annual Groundwater Monitoring Summary Report were completed and submitted to Alberta Environment and Parks.
- We had the annual calibrations done on both scales.
- Due to a break in at the landfill late in 2019, security was increased at the landfill. All lights were changed to LED to increase the lights effectiveness and reliability. Security systems and alarms were installed in the shops. More cameras were placed around the facilities.
- We replaced a window in the scalehouse with a sliding window to eliminate the need for customers to enter the building.
- We upgraded four computers within the company this year.
- We replaced the old open residential cardboard bunker at the Eco Centre with a new and improved Sea-can bunker.
- We replaced the old wood stove and pellet boiler at the Eco centre with a Biomass Energy Boiler system that will use wood waste for fuel.
- Improvements were made to the gates at Harmon Valley, Nampa and Cadotte Lake Transfer stations.
- Our Bomag Packer had an engine overhaul this fall.

New Waste Diversion Strategies

- After much research and discussion, the PRWMC Board made the decision to move forward with a Waste to Energy Pilot Project.
- All approvals and permits were applied for and received.
- An extensive Feasibility Study was performed.
- Public consultation has been completed.
- Vendors and engineering were evaluated and approved through an RFP process.
- Construction began in September with completion expected early in 2021.

Design and Approval Process of a New Greenzone Class II Landfill

- Wells for ground water monitoring were drilled with casings installed for continuous monitoring throughout the life of the landfill.

Public Education

- The PRWMC Strategic Plan was reviewed and revised for 2020.
- A great deal of time was invested in investigating alternative waste management strategies. Most of the effort was to investigate Waste to Energy companies. A decision was made to proceed with a partnership with Biomass Energy Techniques on a pilot project that will prove the technology works for our waste and facility.
- We have completed presentations for the Municipal Economic Development Council, Village of Nampa, Town of Peace River and Northern Sunrise County Councils, and the Peace River Chamber of Commerce.
- Media interviews to discuss the Pilot Project include the Smokey River Peace River Express and River Country Radio.
- Our website is updated to include a section called Pilot Project.
- We have glossy brochures to hand out at the Eco Centre and the Landfill.
- The Alberta Recycling Management Authority gained approval to increase the number of items to be included in the Electronics Program. We have been handing out brochures and posting advertising on our website and Facebook page.

Administration and Contracts

- The 2019 Financial Audit was completed.
- The annual PRWMC Strategic Planning Meeting was held on April 15th. The Strategic Plan can be viewed on our website.
- Our contract with Tervita was renewed for another 5 years.
- We canceled our contract with Quantum Lifecycle Partners and started a new contract with Shanks Electronics Recycling. They pick up and recycle the electronics that we collect.
- ARMA has gained approval from the Government of Alberta to expand the Electronics Recycling Program by over 500 items. PRWMC is excited to participate by expanding our facilities to handle the extra volume and do what we can to increase public awareness of the program.