



Volunteer researcher Chris Taylor explains the map of CFS Debert to visitor Niki Shuttleworth. Ms. Shuttleworth who is from Wales wanted to visit the site where her grandparents, James Shuttleworth and Juanita Rushton, were married at the base on May 6, 1944.

Solid Waste News from Kemptown

(The following items are gathered from August 2018 Solid Waste Report submitted to Colchester Council by Director, Wayne Wamboldt)

25% DUTY ON BALING WIRE

There is now only one supplier in North America that can provide baling wire that meets the required specifications for the facility's aging baler. Accentwire, an American company which purchases steel from Canada as raw material and manufactures baling wire from this material. Because of the new Canada / USA tariffs on Steel and Aluminum, Accentwire, is required to charge 25% duty on this product.

RESIDENTIAL WASTE COLLECTION TENDER

By design collection 8 year duration contracts for Colchester, Stewiacke and the Town of Truro all expire at the same time and the intent was to get all three municipalities to agree to a joint tender in 2018 to garner better pricing for all concerned.

Tenders for a new five year period closed on August 20th and will now be accessed. Because fuel is a substantial portion of the cost of operation a waste collection and has been somewhat unstable. In previous contract fuel escalation costs required the municipalities to pay \$150,000 over the first four years, when fuel prices were very unstable. Over the eight years the cost of fuel was

15% higher. The final four years were basically neutral and more in line with the established baseline price with the Municipality being compensated by the contractor in the amount of \$2,000.00 over that four year period.

For the new tender, a baseline price for fuel was set at \$1.20 which allows for a 20% increase in the cost of fuel over the five year period of the contract. In the original contract the baseline price was set at \$0.89. This may cause the bids to come in somewhat higher but should ensure there are no unexpected additional costs associated with waste collection throughout the term of the contract.

HOUSEHOLD BATTERY RECYCLING

Household battery recycling is still going strong and participation continues to grow. None of this would be possible without the community minded involvement of twenty-nine businesses and institutions that

voluntarily act as receiving depots for the used batteries. In the first six months of 2018, a total of 5032.7 Kg of batteries are collected and kept out of the landfills. The monthly breakdown by weight (Kg) is: January, 771.5; February, 618.8; March, 853.7; April, 642.4; May, 946.2 and June, 1347.9.

LEACHATE: POSSIBLE BREACH IN LINER OF ONE CELL

Although there are extensive open areas of the landfill, leachate production is down substantially since the last report due to the very warm and dry weather. In regard to the Leak Detection Wells at the landfill site, the final report from Dillon Consulting has been received and we are now waiting on the Department

of Environment to meet with us to review the report.

The leak detection well is showing indications of a possible breach in the liner of one of the landfill cells.

Investigations are underway by Dillon Consulting to determine if this is an anomaly, a result of infiltration from the leachate collection system or an actual breach of the liner itself.

NOVA SCOTIA ENVIRONMENT PROVIDED \$50,000 GRANT

Nova Scotia Environment has provided the Colchester Solid Waste Department with a grant of \$50,000.00 as part of "Leading Edge Municipal Diversion Programs" to increase diversion and recycling. Many of the details have yet to be worked out with the Department of Environment but part of the funds will be used to purchase two roll-off bins to capture clean drywall which will be used as a supplement to the compost facility and for shingles which will be diverted from the C&D site for use as fuel in the kiln at the Lafarge Cement plant in Brookfield.

A portion of the funding will go toward education related to recycling and diversion in general. It seems that sometimes the Department of Environment will give with one hand and take away with the other.

At the end of June this year, staff received a document from the Department of Environment titled "Construction and Demolition Materials Management Discussion Paper. This document proposes a number of changes that the Department is considering in relation to all C&D sites in the province. These changes are substantial and could have a serious negative impact on the municipal budget. The Department imposed a deadline to respond by the 20th of July 2018. This very short time frame was not reasonable and a letter was written to the Department requesting a six month extension to respond to the

discussion paper. Although the six month extension was not granted, the Department did set a new deadline of the 28th of September 2018. Staff believes that this is a workable date.

WIND ENERGY: 2ND ANNIVERSARY

The two wind turbines at the Kemptown Waste Management Facility have passed their second year anniversary and are performing to expectations. Power production continues to be slightly above projected levels. Revenue is up 9% for the first six months of this year in comparison to the first six months of 2017.

For period of January 2018 to end of June 2018, Turbine # 1 produced 84050 Kwh, generating net sales of \$41,940.96, while turbine # 2 produced 74850 Kwh and net revenue of \$37,350.16. Net metered revenue for the six months was \$79,291.12. Since turbines depend on winds, the month of March was the largest with net metered revenue of \$19,623.18 from combined generation of 39,326 Kwh.

COMPOST FACILITY RECEIVES 9,000 TONNES OF ORGANICS

The Colchester Compost Facility continues to receive approximately 9,000 tonnes of organic on an annual basis. Of this 9,000 tonnes, approximately 50% by weight or 4,500 tonnes

is recovered as marketable material.

We are now in Phase II of the agriculture market study for compost and in the spring of this year, 500 tonnes of compost were provided to the study of compost applied to agricultural land with a further 750 tonnes scheduled for the fall application. A local fruit grower will be taking delivery of 5,000 yd³ or approximately 3,000 tonnes of mature compost at \$30.00 per tonne for application in an orchard.

This single sale resulting in a receipt of \$90,000.00 is a landmark event. Since the Compost Facility first opened in 1995 the highest value of a sale to a single customer was under \$1,000.00. When all other incidental sales and compost "giveaway" are factored in, all compost produced for the year was

dispensed. All indications are that in a few years, we will not be able to meet market demand.

MATERIAL RECOVERY FACILITY FILM PLASTIC

All Asian markets including India, Malaysia, Vietnam, China and Korea have closed their doors to importation of plastics and newsprint. China has now banned 24 separate products from importation. This is the new future of recycling. The glory days of high prices for commodities have gone and are unlikely to return.

Dwelling Units in Urban Areas of Colchester County		
Community	1 Unit	2 Unit
Salmon River	829	23
Bible Hill	1668	90
Valley/Murray Siding/East Mountain	1354	28
Brookside/Upper Brookside/North River	423	21
Truro Heights/Lower Truro	470	64
Central/Upper Onslow	220	15
Debert (village)	166	13
Tatamagouche (village)	194	11
Hilden	448	15
Brookfield	272	7
Total	6044	287

*Approximately 37% of the single unit and duplexes are in the more urban communities.

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