

WM Tour Details (4pm. April 19, 2017)

For the first 15 FCA members to apply, we will sponsor a local tour of the West Carleton Environmental Centre (WCEC) commencing at 4 PM. **Please meet at the Carp Rd Waste Management Office located at 2301 Carp Rd, Carp, ON K0A 1L0** which is the northern most entrance. It is easy to get to if you take the right-hand merge (going north) at the Carp Road interchange! The 2nd entrance is about 400 meters along the Carp Road.

Local residents often refer to it as Carp Mountain. About a decade ago there were horrible odour problems which annoyed many local residents. The photograph "Gas extraction wells at the landfill site" is the start of the story of how this problem was solved. In fact the solution brought a positive community benefit to the area. A large vacuum pump in the electrical generating station brings the output of the gas extraction wells by a piping network. At this station there are 3, Twenty cylinder Sparking DIESEL Generators and two 16 cylinder Sparking DIESEL Generators which utilize the gas to run the engines which generate 6.2 megawatts of electricity. This energy is fed into the electrical grid.

The engines operate at about 900°F, which is such a high temperature that the odour producing *Mercaptan* gases are burned to odourless gases. To be certain no odour producing gases escape to the atmosphere, WM had to increase the number of gas extraction wells from less than 60 to more than 125 wells. Over the 2 or 3 years it took to drill all the wells, the odour in the community has gradually decreased. At present Greg Davis of MOECC reports there have been no odours in 2015 2016 and so far in 2017. This is a great story in that local nuisance odours were eliminated and electrical energy was sent to the grid.

Please let me know as soon as possible if you would like to attend the WM tour on the 19th of April. The good news is that you will not require hard hats or work boots, We will be able to see the generator building and gas collection system, the environmental ponds which collect the surface water from the landfill site. It's a good home for birds and wildlife such as Beaver and muskrats. The bad news is that we will not be able to take a trip to the top of the hill as it is still too wet however, the tour will be filled with enlightening information that you will find interesting.

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