

CITIZEN'S ADVISORY BOARD

Cherry Island Landfill

April 7, 2014

Notes

The April 7, 2014 meeting of the Citizen's Advisory Board (CAB) convened at 5:10 p.m. at the Cherry Island Landfill (CIL), 1706 E. 12th Street, Wilmington.

Attendees:

CAB

Anthony deFiore
Leonard Sophrin
Darius Brown
Vince D'Anna
Sandra Smithers

DSWA

Robin Roddy
Michael Parkowski
Jason Munyan
Uriel Rodriguez

DNREC

Nancy Marker
Mark Lyon

Department of Natural Resources and Environmental Control (DNREC) update

Ms. Marker presented DNREC's update on their activities at CIL (see attached).

Ms. Marker reported two (2) incidences of fire at CIL during the 1st Quarter 2014. One incident occurred on March 5 where Flare A failed causing an internal fire. The second incident occurred on March 27 and that was a small fire at the working face of the landfill. The fire was contained onsite and there were no injuries reported.

There were no prohibited wastes received at the landfill during the 1st quarter 2014. DSWA had continued to control odors, litter and dust on and off site in accordance with their permit. DSWA remains in compliance with the Yard Waste Ban during the 1st quarter 2014.

CIL Update

Mr. Munyan elaborated further on the two fires at the landfill. The flare fire occurred when one of CIL's two flares malfunctioned and shut down due to high temperature. The high temperatures caused a fire and damage to the flare, consequently, it's currently not in use. DSWA does have one operational flare and is capable of flaring excess landfill gas (LFG). Additionally, DSWA is exploring renting and utilizing a temporary candlestick flare during the next several months, while Staff evaluates options for long term landfill gas control at CIL, including flare repairs and replacement.

Mr. Munyan also further explained the 2nd fire incident, which was a hot load that came in to the landfill. The Compactor Operator identified the load and pushed it off to the side, smothered it and let it sit for a day to make sure it was out before landfilling it.

Mr. Sophrin asked what a hot load was and what caused this particular fire?

Mr. Munyan explained that a hot load is as the name implies a load of waste that is excessively hot. This can be caused when something gets thrown into a load of trash that causes a spark or sometimes things will spontaneously ignite within a waste load. DSWA was not able to identify the exact cause of this particular one, the smoldering was identified and then the load was segregated.

Continuing the update Mr. Munyan stated that there is a solar project being installed on site. It's being currently constructed along the southern edge of the property with installation scheduled to be completed by the end of the month.

Mr. Parkowski indicated that the actual target completion date was April 29.

Mr. Munyan reported that DSWA is looking into installing more trees along the side of the ramp going up the landfill where the existing poplars are, to fill in bare spots. Additional trees would also be planted extending towards south. Given some time for growth, these trees should be visible from 495 and will obscure some of the view of the landfill from there.

Ms. Marker inquired about the foot print of the solar project and if it will be visible from 495, as she anticipates that DNREC will be questioned on it.

Mr. Munyan responded that it is approximately 2 – 3 acres total.

The LFG that is collected from Cherry Island has the potential to be used as an energy source. Currently, approximately half of the collected gas is piped to CRODA for their combined heat and energy needs, while the other half is being flared. The goal is to utilize as much of the gas for renewable energy while minimizing the flared portion. The City of Wilmington's (COW) Wastewater Treatment Plant (WWTP) will be the next end user to come on line, using both CIL LFG and COW WWTP LFG to dry out their sludge and generate electricity. The WWTP will be capable of utilizing about 1,200 scfm of DSWA's gas which currently gets flared. The project is behind schedule with the latest estimates for completion being June or July.

Mr. Sophrin inquired as to what's going on with the Army Corps of Engineers' (COE) property and what is the status of their dredging?

Ms. Roddy explained that the COE utilizes both Wilmington Harbor North (WHN) and Wilmington Harbor South (WHS) for their dredge disposal from Christina River dredge

operations. The COE typically alternates dredge disposal from their dredging activities between the two sites. WHN is expected to be exhausted for dredging capacity by 2015. Mr. Parkowski proposed the meeting move to the selection of a CAB Chairman.

Selection of Chairman

Councilman Brown made a motion to nominate Mr. D'Anna as Chairman of the CAB. The motion was second by Mr. Sophrin and unanimously approved by the CAB.

Ms. Smithers stated that she understood that DSWA has a representative from DNREC on site daily providing oversight and inquired as to how any findings were reported as a result of this.

Ms. Roddy explained that Mr. Lyon, DNREC's on site representative, can bring his concerns to DSWA staff at any time. She further explained that the Facility Manager typically addresses those concerns as needed; some issues may require immediate attention and others may be longer term action items.

Mr. Lyon further explained that he keeps a daily log and submit an electronic report to DNREC.

Next Meeting

The next meeting is scheduled for Monday, 07/14/14 at 5:00 p.m. at CIL

Meeting adjourned at approximately 5:43 p.m.

DSWA Cherry Island Landfill Summary for the Citizens Advisory Board
Prepared by Brad Richardson, DNREC Solid & Hazardous Waste Management Section
April 7, 2014

1. During the 1st quarter of 2014, DSWA recorded no complaints in their Odor Complaints Log.
2. There were two fires reported at the CIL during the 1st quarter of 2014. Both incidences were immediately reported to DNREC and followed up with a written notification with the prescribed 5 working days.
 - Wed. March 5, 2014: “Flare A” shut down on high burner temperature. The incident was contained inside “Flare A” and the associated blower. It appears that there was a flash back (incident of flame presence outside the normal flame area), which caused damage to “Flare A” and to the associated air blower. This was the result of burner failure. There were no injuries. There was no smoke associated with the incident. As of March 10th, DSWA was pursuing replacement to the damaged materials. DSWA is also pursuing a thorough inspection with the manufacturer of the flare.
 - Thur. March 27, 2014: Report of a small fire at the landfill working face used by commercial customers. The G&L compactor operator noticed the fire and reported it. He called for a water truck and soil to be delivered to the working face. The waste involved was pushed out of the working face and isolated onto a solid soil surface and smothered with the additional soil. It appears the fire was extinguished in approximately 5-minutes. However, the materials involved remained isolated overnight and were reincorporated into the main working area the following day once it was certain there was no longer a risk of fire. The cause of the fire is unknown; it is not known if the fire was dumped as a hot load.
3. No prohibited wastes were reported as received at the landfill during the 1st quarter of 2014.
4. According to our on-site inspections during the 1st quarter of 2014, DSWA has controlled odors, litter and dust both on site and off in accordance with the conditions of their solid waste facility permit.
5. DSWA remains in compliance with the conditions of the Yard Waste Ban. As of March 31st DSWA had issued no citations for yard waste at the working face for 2014.
6. Please note that all environmental complaints, including odor complaints, should be reported to DNREC’s toll free complaint line: 1-800-662-8802.