

CITIZEN'S ADVISORY BOARD

Cherry Island Landfill

April 2018

Notes

The April, 2018 meeting of the Citizen's Advisory Board (CAB) convened at approximately 5:15 p.m. at the Cherry Island Landfill (CIL), 1706 E. 12th Street, Wilmington.

Attendees:

CAB

Vince D'Anna
James Parker
Sandra Smithers
Zanthia Oliver
Jeffrey Starkey
Jaehn Tindley Dennis

DSWA

Mike Parkowski
Rich Winterringer
Uriel Mendonça

DNREC

Brad Richardson
Mark Lyon

Introductions

Introductions were conducted and Mr. Tindley Dennis was welcomed and recognized as the newest addition to the CAB.

DNREC Update

Mr. Richardson reported that there were no odor complaints since 2013. There was a small fire on the landfill. The operator was moving yardwaste from Area 2 to the south side of the landfill to place in windrows, when the fire was noticed. The material was back-dragged and sprayed with the onsite water truck. DSWA notified DNREC as required by their Permit.

There were three (3) incidents of unpackaged asbestos received at the landfill. This was observed by the operator and other landfill personnel before it could be landfilled. The asbestos was removed from the site and reported to DNREC as a requirement of the Permit. None of the incidents were related.

In conclusion, according to our on-site Compliance Assessment, the landfill is being operated in accordance with the conditions of their permit.

Mr. D'Anna inquired in regards to the fire, what generated it?

Mr. Parkowski explained that yard waste is ground and stored in piles. The ground yard waste is later used on site as a soil amendment. The storage piles have the potential to retain and generate heat. Staff believes this pile contained excess heat and began to smolder. The pile was spread out and sprayed with water to control the issue.

Mr. Dennis inquired, when you say yardwaste do you mean like brush and tree branches etc.? Also, how does it catch on fire by itself? Where is this whole process done and what do you do when it catches a fire when the wind blows?

Mr. Parkowski, responded yes, yardwaste is tree limbs, twigs etc. As the material decomposes, it has the potential to generate heat and the excess heat can cause smoldering. The yard waste is stored in a designated area on site.

Mr. Dennis explained that during the summer months, in the north-east we experience odors and so I don't know if this could be the cause.

Mr. Parkowski responded, to give a little background as to why we're even here today. Over a decade ago, Cherry Island did experience odors as a result of an inadequate gas collection system. However, DSWA terminated its contract with the Contractor responsible for collecting and controlling landfill gas. After that DSWA made significant upgrades to the landfill gas collection and control system. Cherry Island has not experienced odors or had any odor complaints in a very long time.

Mr. Dennis inquired if the gas Mr. Parkowski is referring to is methane gas.

Mr. Parkowski, responded yes, landfill gas is generated from the decomposition of the waste in place and does contain methane.

Mr. Parker inquired if the water truck is always in the windrows area.

Mr. Parkowski explained that the water truck is always onsite, because we spray water on the roads as well to spray for dust control.

Mr. Winterringer further elaborated that there's also an employee on the landfill that monitors the area, so if anything occurs it can be immediately addressed.

Mr. D'Anna inquired as to what was going on with the Delaware Recyclable Products Inc (DRPI) landfill permit? Are they at the end of their permit?

Mr. Richardson responded that their permit has been renewed two (2) years ago for ten (10) years. They have not issued a submittal yet, but there's talk that they will issue a revised submittal for a vertical expansion.

Ms. Smithers inquired if there will be a public hearing for that?

Mr. Richardson confirmed that there will be a public hearing.

Mr. Dennis expressed that CIL has gotten increasingly higher over the years and inquired how high is CIL?

Mr. Richardson responded that CIL's limit is elevation 195 and is currently around elevation 160.

Mr. Parker inquired if the Waste Management landfill cannot go higher, can the material come here to CIL?

Mr. Parkowski responded that more than likely yes, if they were to close. However, they are a privately-owned landfill and their permit is different. They are allowed to take out-of-state material and DSWA is not, so the out-of-state material cannot come to CIL. Mr. Parkowski also noted that Construction & Demolition (C&D) material is accepted at the DSWA's Delaware Recycling Center (DRC) by Revolution Recovery. At the DRC location, the C&D is recycled. However, we would see an increase at CIL if the DRPI was to close, but it would be much less than what is currently going to the DRPI.

Mr. D'Anna expressed that the public policy question would be why would we want to extend that permit, if there's any objection to extending the permit? I assume you make money on the recycling?

Mr. Parkowski responded that it's a small amount of revenue that's generated from the material that goes to the DRC. To sum it up, if the DRPI was to close, it would not have a huge negative impact on this facility as most of their waste would be from out-of-state and we do not take any waste from out-of-state.

Mr. Parker inquired as to whether the Port Expansion has anything to do with CIL? I just figured with the dirt and the dredging they're doing it would impact you?

Mr. Parkowski responded that we are strictly a Municipal Solid Waste (MSW) landfill. CIL does not take any of the dredge spoils, so there is no direct impact to CIL.

Ms. Smithers inquired as to where are the dredge spoils?

Mr. Parkowski explained that there are several dredge spoil areas around, but there's one close by that's almost full. These properties are owned by the Army Corp of Engineers.

Mr. Dennis inquired what is dredge spoils?

Mr. D'Anna responded that it's silt from the bottom of the river.

CIL Update

Mr. Parker inquired if asbestos can be brought here or is it not allowed to come here at CIL?

Mr. Parkowski elaborated that we will take asbestos here at CIL. It is not landfilled in with the regular trash. It is required to be wrapped a certain way and we take it by appointment. Mr. Parkowski continued to report that we have a gas collection system throughout CIL that is collected and sent through our gas plant, where it is cleaned before it goes to our contractor, Cummins. Cummins currently has two (2) end users. Croda and the Waste Water Treatment Plant (WWTP). Croda's location is in New Castle and they use the gas to generate power for their plants. The WWTP located across the street from CIL, uses the gas to generate power and dry their sludge.

Ms. Smithers explained that there is talk about Croda building another pipeline somewhere behind the new library in New Castle. Do you know anything about that?

Mr. Richardson, explained that he had no information on that, but he will look into it.

Mr. Parkowski reported that deIDOT is currently constructing a new bridge along Hay Road. This work is expected to be completed by the end of 2018.

Next Meeting

The next meeting is scheduled for Monday, 10/29/18 at 5:00 p.m. at the Cherry Island Landfill.

Meeting adjourned at approximately 5:45 p.m.

DSWA Cherry Island Landfill Summary for the Citizens Advisory Board
Prepared by Brad Richardson, DNREC Solid & Hazardous Waste Management Section
April 16, 2018

1. DSWA has recorded no complaints in their Odor Complaints Log for Cherry Island Landfill (CIL) since 2013.
2. On Tuesday, October 31, 2017, at approximately 10:45 AM, a small yard waste pile began to smolder on the south side of the landfill. An operator had been moving ground yard waste from Area 2 to the south side to place in windrows when the fire was noticed. The material was back-dragged and sprayed with water using the onsite water truck. Landfill fires constitute a “Reportable Incident”. DSWA notified DNREC immediately and later submitted the written report of the incident as is mandated in the CIL Permit.
3. There have been no citations issued for yard waste disposal since the February 2017. For a yard waste citation to be issued to a permitted hauler more than 10% of the trash load must contain yard waste.
4. Except for asbestos, no reported incidents of Prohibited Waste have been reported since the last CAB meeting. There have been three (3) reports of the receipt of unpackaged asbestos. Each of these 3 instances, the asbestos was associated with a load of mixed demolition-related waste and was received at the CIL Unloading Area 3, which is designated for small hand unloaded vehicles. These asbestos materials were isolated and removed from the site. These three instances were unrelated.
5. Other on-going and operational issues that DSWA has or is continuing to address include:
 - Work on sedimentation and erosion issues on the landfill.
 - Repairs to the exposed raven tarp on the eastside of the landfill.
 - Occasional Litter Net Repairs.
 - Pipe Abandonment and Liner Penetration Repair of LP-4.
6. According to our on-site Compliance Assessment, daily reports from our Full-Time Compliance Specialist, DSWA incident reports and their follow-through actions, DSWA is operating CIL in accordance with the conditions of their solid waste facility permit.