

Mill Seat Landfill Citizens Advisory Board Meeting
Monroe County Mill Seat Landfill Administration Building Conference Room
October 20, 2015

Attendees: Peg Steffan, Rick Frappa, Chris Prucha, Becky Zayatz, Barbara Robinson, Russell Rutkowski, Luann Meyer, Nicole Fornof, Daniel VanValkenburg, Ginny Adams, Mike Garland, Brad O'Brocta, Jeff Richardson, Ken Kuter, Dan Dries, and Al Turcotte

6:00pm Meeting was called to order at 6:00pm by Peg Steffan. Daniel VanValkenburg was introduced as a new representative from the Town of Bergen. Introductions were made all around.

The minutes for the July 21, 2015 meeting were distributed prior to the meeting and approved as written.

Operations Report – given by Jeff Richardson for the period July-September 2015

- The **tonnages for the quarter** (66 days) were 117,465 (MSW) and 46,930 (BUD), for an average of 1527 (MSW) and 609 (BUD) still under the permitted 1945 tons/day. The leachate discharges to the sewer was 3,827,495 gallons. Landfill gas which burned through the flare was 1,066,677scf and 290,685,000scf went to the LFG Power Plant generating 13,641,721 Kwh of energy with the engines running 17,101 hours. 25,651 barrels of oil were saved.

- The **tonnages for the year to date** (Jan-Sept) (220 days) were 321,703 (MSW) and 107,832 (BUD). The landfill is running at about 75% of the permitted capacity. Leachate discharged so far has been 12,984,652 gallons. Landfill gas burned in the flare was 267,400,748scf and gas going to the LFG Power Plant was 844,334,000scf generating 40,521,453 Kwh. The engines ran 51,055 hours per month and 76,582 barrels of oil were saved.

Brad O'Brocta mentioned the total tons have remained flat. Even though the Metalico Transfer Station closed, the excess did NOT come to the Mill Seat Landfill. It was exported outside the County where there were less tipping fees.

Dan VanValkenburg asked when the LFG Power Plant compressor was down the 3 days where did the gas go. It was burned in the flare. Ken Kuter asked what percentage up time there was at the LFG Power Plant. The plant is running at 99% plus. Sometimes an engine is down due to preventive maintenance, etc. but they try to do only one engine at a time to keep the values up.

-**Revenue Sharing** – Third quarter payments made were \$489,987.43 to the Town of Riga, \$11,746.47 to the Town of Bergen (from tipping fees established in 2012) and \$89,000 toward collection benefit to Town. A payment has not been made to the Byron-Bergen School to date because there were questions about the tax bill which was much higher than usual.

Capital Projects for 2015 – gas management 12 gas collection wells are complete. They have been tied into Cell 4C. Litter fence improvements for Cell 4C is complete.

Community Involvement Report – given by Nicole Fornof

- **Open House** – This year's open house was at High Acres. Next year the open house will be at Mill seat. Several come to High Acres from this area.

- **Scout Day** – held on October 12, 2015. Over 100 people in 5 groups were given education sessions on recycling and landfill tours.
- **WHC** – Recertification was submitted May 1, 2015. Certification is good for 3 years. Bluebird boxes continue to be monitored seasonally.
- **2015 Events** – participated in Churchville Walkabout in June, Churchville Lions Country Fair in August and sponsored the Churchville Concert at the Gazebo on July 29, 2015.

Operations Report – continued:

- **Compliance** – No violations – 100% compliant
- **Safety** – all safety programs utilized daily. OSHA recordable injury free since 6/19/2015. The site has completed more than 1619 days without a lost time injury
- **Environmental Monitoring** – Mill Seats Q3 2015 Environmental Monitoring Report concludes that “The third quarter sampling activities of 2015 for the Mill Seat Landfill environmental monitoring program demonstrate that landfill operations do not appear to have impacted the water quality of the surrounding area.”
- **NYSDEC Oversight** – Joe Melito is on site daily. No issues.
- **Notifications** - July 22 and 23, 2015 landfill odor was reported on Johnson Road. The County was testing a new chemical for odors. Did not work as well as planned, and the County has resumed use of the current process. There was a notification on August 12, 2015 for landfill odor on Johnson Road. The odor was coming from sludge at the working face. WMNY responded to the person within 4 hours, and he understood the situation and thanked WMNY for the follow-up call.

It was commented by Ken Kuter that the Town of Riga just held an Informational Forum with the Town and Village of Churchville related to their master plan update. It was interesting that 10 years ago in 2004 the landfill was very negative but in 2015 there was only one negative comment. Brad O’Brocta said that it was a strength to the Town that something potentially negative is now viewed as a positive. A lot of that had to do with open communication to the community and resolving a “trust” issue with the community. Peg Steffan mentioned the extraordinary job WMNY has done in the community.

Committee Reports:

- Budget – the budget for 2016 will remain the same as this year
- Community Relations – nothing new to report
- Environmental Monitoring – nothing new to report
- Safety – Mark McAnany was not present so there was no report
- Property Protection – Ken Kuter reported it looked like there were 2 pending properties that are coming to him. He has heard nothing to date.

Al Turcotte mentioned he saw lights up on top of the landfill on September 23, 2015 around 3:30am which was around the time the LFG Power Plant was down for 3 days. It was possible WM employees were checking on the flare, etc.

Presentation – 2014 Annual Environmental Summary - Rick Frappa (GEI) and Chris Prucha

(Note: Test America, Inc. lab does the analysis of data collected) This presentation is about what was found at the south end of the property (Proposed Expansion Area). Notes taken from the presentation:

Agenda – Introductions,

Environmental Monitoring Program,

Summary of 2014 Environmental Monitoring Results, and

Area Environmental Monitoring Program. (A map of the program designed for the South Section was shown with a map of the “old” and “new” areas highlighted)

Roles and Responsibilities:

- **Monroe County** – owns the land associated with the landfill and is the NYSDEC permittee.
- **Waste Management of NY LLC** – responsible for construction, operation, and management of landfill through a life of site lease with Monroe County.
- **GEI Consultants** – manages landfill environmental monitoring program and reporting.
- **Test America, Inc** – conducts field sampling and laboratory analysis for environmental - monitoring program.

NYSDEC Solid Waste Environmental Monitoring Regulations [6 NYCRR Part 360-2.11(c)]:

- Site specific environmental monitoring plan (EMP)
- On-site and off-site monitoring
- Sampling schedule (3 quarters per year – not in winter months)
- Laboratory analysis and reporting

EMP monitors:

- **Groundwater:** currently 43 on-site wells (about 500 ft. apart), 2 off-site private wells west of I-490, and an on-site groundwater suppression system (also underneath landfill)
- **Surface Water** – 7 sites (hotel Creek, surrounding wetlands and drainage ditch) and 2 on-site detention ponds
- **Sediment** – 7 sites
- **Leachate** – primary and secondary collection systems (upper and lower levels)
- **Fugitive Dust and Noise** – perimeter and working face monitoring
- **Explosive Gas Monitoring.**

(A map showing locations of the monitoring sites was shown and explained)

Chris Prucha said they use health based standards and non-health based standards to protect bad tastes, odor, sulfur, etc. in our water. A chart was shown with examples of inorganic constituents in some of the bottled water we drink showing types of things that were tested for (ex: acidity, calcium, sodium, potassium, chloride, bicarbonate, magnesium, etc). Over 100 organic and inorganic compounds are analyzed. If a level may seem high it doesn't always mean a problem. For example high levels of sodium and chloride could be attributable to salt from the roads. The level is

not high enough, but if it continues they need to keep an eye on it. He mentioned an old unlined landfill in the Finger Lakes where the sulfate was 250 parts per million. At Pellegrino sulfate was 495 parts per million which is twice the allowed amount.

Data Evaluation Methods include comparison to standards, Piper Trilinear Plots, Stiff Diagrams, and Trend Plots. If results are found not consistent, the lab is notified and the results are retested. Chlorine concentration over time is slowly going up. An anomaly would be if there was a sudden spike in the results (probably a mistake).

2014 Summary/Conclusions:

1. Based on 2014 sampling and analysis, landfill operations have not impacted groundwater flow or quality.
2. Seasonal fluctuations or increasing trends in concentrations of chloride and sodium are attributed to on-site and off-site road de-icing activities.
3. Leachate conveyed to the Monroe County Pure Waters WWTP was in compliance with permit conditions.
4. An evaluation of leachate monitoring and groundwater monitoring data does not indicate mixing between leachate and groundwater occurred.
5. Landfill gas was not detected at the property boundaries.
6. Particulate matter (dust) concentrations were not above ambient air quality standards at the working face or property boundary.
7. Noise levels were in compliance with the NYS Part 360 requirements.

Mill Seat Landfill Expansion Permit Application: A picture was shown of the final cell construction in the permitted footprint and a map was shown where the expansion on the South Side of the Existing Landfill will be. This will be constructed in stages.

Hydrogeological Investigation and Revised Environmental Monitoring Program:

- Submitted Hydrogeological Report and EMP to NYSDEC First Quarter 2015 with Permit Application.
- NYSDEC Review and County/WMNY Response to Comments - Third Quarter 2015.
- Hydrogeological Report Concluded:
 - Existing water quality (groundwater and surface water) in proposed expansion area was sufficiently characterized and identified – no issues
 - Soil has very low permeability – mostly clay till
 - Bedrock is moderately to highly fractured to depths of 80 feet (usually 20 ft. to 30 ft.). Ken Kuter asked about the depth to bedrock: in the Western area only a few feet, to the South about 10-15 ft. and to the East about 35-40 ft.
 - Groundwater flow in the expansion area is monitorable with highly predictable groundwater flow
 - Critical stratigraphic section for the Expansion area is consistent with the Permitted Landfill Footprint (soil and upper 40 feet of bedrock).

- NYSDEC Requiring Groundwater Monitoring of soil/bedrock interface (B-zone); upper 30 to 40 feet of bedrock (A-zone); deeper bedrock to depths of 80 feet (Z-zone)

A chart showing groundwater flow was explained – the flow is down through soil to top of bedrock (B-zone). Flow is horizontal in upper bedrock (A-zone) and flow is horizontal in deeper bedrock (Z-zone). A map was also shown and explained about groundwater flow in the expansion area – shallow groundwater (flows in NE direction), Upper Bedrock Groundwater, and the Deeper Bedrock Groundwater (Z-wells) which flows due east to where the monitoring wells in the expansion area will be.

The Proposed Expansion Area Monitoring Network will include 33 monitoring wells, 7 surface water and sedimentation locations, 3 storm water locations, 5 leachate locations (primary & secondary), 5 sub linear under drains, and noise, landfill gas, fugitive dust monitoring. Jeff Richardson said that the landfill expansion area will not change the hydrology and will have no impact on the wetland areas to the east or west. He also said having wetlands around the area is good – any problems can be detected much quicker.

Summary:

1. Geology/hydrogeology similar to existing landfill
2. Shallow groundwater flow towards the east and southeast
3. Deeper groundwater flow toward east
4. Phased well network installation will be installed as expansion continues in phases
5. Dust, noise and explosive gas monitoring to continue

Russ Rutkowski said they will continue to monitor wells and follow protocol to close old wells. On August 20, 2015, a response was received from the NYSDEC about the monitoring of the wells. Currently, wells are monitored for 3 quarters a year. In the proposed expansion area, the NYSDEC wants to monitor in the winter also until the liner is found to be protective to the area. Brad O’Brocta asked how long this 4 times a year would last. As long as the underground pipe is OK, it serves as the first indication the liner is good. At that time, WMNY will ask the NYSDEC to reduce it to 3 times a year.

EXPANSION UPDATE - given by Mike Garland

Mike Garland said to circle October 13, 2015 on your calendars as a number of the referrals to allow the proposed landfill expansion will be approved by the County Legislature. The County needs to approve the lease amendment for the new area and City and County Intermunicipal Agreement for Solid Waste. About 90 percent of MSW comes from the City and County which is higher than before. The City and County consider the landfill an “asset” to the community. The relationship with the City is very important.

The 2008 Town Survey was the first step the proposed landfill expansion and it showed the trust the Town has with WMNY. Presently, there are many steps that have been made, such as Host

Agreements with Towns, SEQR and submitting the Permit Application. A lot has been done in the long term schedule such as submitting the Part 360 application, Army Corp of Engineering application on the wetlands, etc. The CAB has done a good job with communicating with the community. Other landfills are not getting good press, but local stories are positive and good. They anticipate final receipt of Permits to be in the second quarter of 2016. Mike also complimented Rick, Luann, Russ as being a good "team" to accomplish this. They have built relationships with the different regional agencies, and they have trust in what is happening here. It was asked why we started so early on this process and Mike commented that it takes us that long to be able to get started.

The road abandonment of Brew Road should be done by December. The County is on board with this plan also.

The Monroe County Solid Waste Master Plan (SWMP) requires the County to report every 2 years to report progress, etc.

LFG POWER PLANT II UPDATE - given by Mike Garland

Mr. Garland noted that much progress has been made to date. Air permits are in for review and an open comment period has started at the state level. The USEPA has published its results. The permits should be finished by December.

The design for LFG Power Plant II is complete and bids will open in November and hopefully the construction will be started in December. It is half the size of the current plant and should be in operation in 2017. The engineer has addressed the sound problem. The baffles in the plant will reduce the noise. Danforth will operate the new facility. Barb Robinson asked why Danforth? The County went through a selection process and Danforth was chosen. Mr. Kuter said the contract is for 20 years. Mr. Turcotte asked about the engines. There will be 2 engines to start which will be larger than current ones. Mr. Vanvalkenburg asked who the energy is brokered to. Constellation Energy (Green Energy)

Al Turcotte asked about how much the landfill has settled. Mr. Richardson said the commodity is air space at the permitted area. When the area settles, it will be capped off.

Meetings for Next Year: January 19, 2016; April 19, 2016; July 19, 2016; and October 18, 2016

Next meeting January 19, 2016

As there was no further business to discuss, Mrs. Steffan closed the meeting at 7:30pm.

Respectfully submitted,
Christine Martz
CAB Recording Secretary

