



PUBLIC WORKS

TOWN OF PERINTON

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Original Release Date: 1/7/2019

Update: 3/4/19

EXECUTIVE SUMMARY OF ACTION ITEMS ASSOCIATED WITH HIGH ACRES

The Town of Perinton continues to work proactively with Waste Management on the implementation of specific, relevant, actionable, and time bound improvements to the landfill that will, to extent feasible, control off-site gas and garbage odors and safeguard our resident's health, safety and quality of life. We continue to stress with WM the importance of continued operational improvement at High Acres. We understand that periodic off-site odors remain, but recognize that progress has been made and we will remain vigilant in this effort. The Town will make every effort to improve its communication with residents regarding progress at High Acres landfill.

LANDFILL MONITORING

High Acres Landfill is a highly engineered facility with environmental protection systems that are subject to strict monitoring and reporting requirements. These systems include engineered liners and cover systems, leachate collection and transmission systems, landfill gas collection and control systems, as well as on-site and perimeter groundwater and air quality monitoring. **Although the NYSDEC defines the type and frequency of monitoring through its permit requirements and regulatory standards, the Town of Perinton has directed WM to monitor the landfill with much greater regularity than what is required by its current permit and applicable regulatory standards. The Town has also lowered the exceedance thresholds that trigger the need for WM to make repairs or improvements to the landfill's gas collection & cover systems.** High Acres Landfill is the **only landfill in the state** that has this level of monitoring and control. The Town of Perinton has spearheaded this effort and arguably has the most input and/or influence of any community that hosts a landfill. These enhanced requirements help all parties, including the public, better understand the landfill because you can't control what you don't measure or monitor.

Update: The 2018 4th Quarter Surface Monitoring Report as well as the most current perimeter H2S Monitoring Reports are now available for review by the public and are located on our website at the following link: www.perinton.org/surface-emmission-monitoring-data.

CURRENT LANDFILLING OPERATIONS

Presently, the landfilling operation at High Acres is almost exclusively taking place in the Town of Macedon, not the Town of Perinton. Perinton does not have the ability to restrict operations that occur in the Town of Macedon, even though the odors from this operation can impact our residents.

Update: WM continues to evaluate a new daily cover technique that provides a complete closure of the working face without the need to place large amounts of soil overtop of the waste at the end of each

operating day. This new technique uses a geo-synthetic plastic film placed on top of the daily waste to create a continuous impermeable barrier that more effectively traps odors. The advantage of this system is that it does not require removal and provides continuous coverage until the landfill operation begins on the next day. In effect, it eliminates the need to strip daily soil cover to place new waste, which typically results in the escape of undesirable odors. This product is showing promise and could be an effective tool to use in controlling operational odors as well as minimizing water infiltration into the landfill.

ODOR NEUTRALIZATION SYSTEM

The Town of Perinton has secured a commitment from WM to design and install an enhanced perimeter and internal odor neutralizing system that will help mitigate operational odors overall; whether the landfilling is taking place in Perinton or in Macedon. This system will not simply mask odors, but it will biologically react with the odor causing molecules, rendering them near odorless. It is being designed as an odor barrier that uses natural ingredients, like fruit, vegetable and other plant extracts & oils without harsh chemicals to help reduce off-site landfill odors. The odor control material is formulated to be used with a high-pressure water and/or oil-based atomization system that sprays a fine mist into the air that attracts and absorbs airborne odor molecules.

Update: The Design Report for the permanent enhanced Mist Barrier System, which describes and evaluates site odors, assesses current odor abatement (neutralization) technologies and provides recommendations for a comprehensive odor control network is complete. WM has started the detailed design of this system, which will include a combination of portable and stationary, as well as temporary and permanent misting equipment that will be installed to help neutralize and minimize odors. This system will be able to adjust as the operation moves from cell to cell over the next five (5) years.

WM, at the request of the Town, is also developing a public service message that describes the science behind odor neutralization and how the proposed mist barrier system is intended to work.

ODOR /WASTE MATERIAL STUDY

In addition to the enhanced odor control misting system, the Town of Perinton has also required WM to undertake a detailed study of material waste streams that enter the landfill by both truck and rail. At the Town's directive, the intent of this study is to determine if and to what extent odors differ, either in strength or type, between waste materials that are trucked into the facility versus waste material that are delivered via rail. Based on the results of this evaluation, WM has committed to implement additional odor control measures that will reduce excessive odors that may be the result of extended travel time.

Update: The sampling and evaluation of in-coming waste from various transfer stations and modes of transport continues. WM expects the initial results and follow-on recommendations will be ready for review by the Town and the NYSDEC for the phase I (winter) portion of the study in mid-March.

PROGRESS MEETINGS / ODOR NOTIFICATION

The Town of Perinton regularly meets with WM staff to discuss operations, odor complaints, NYSDEC Inspection Reports, etc. This bi-weekly meeting also serves as a progress meeting to review the milestone / time bound goals of the various obligations that WM has committed to complete at the request of the Town. The Town also monitors and evaluates, on a daily basis, all in-coming complaints associated with High Acres Landfill. This information is then shared with Town Board and Conservation Board members weekly. We encourage our residents to utilize the Odor Complaint Hotline, which is (585) 453-2416. The information gathered during this phone call and more importantly, the follow-up by third party responders who are trained to characterize and gauge the intensity of odors will only serve to better assess odor impacts and the need to make improvements at the landfill.

Update: The Town and WM continue to meet bi-weekly to discuss operations, planned improvements, odor complaints, and NYSDEC Inspection Reports. Our next meeting is scheduled for the week of 3/11/19.

BENEFIT AGREEMENT

We are currently drafting a new Benefit Agreement. We anticipate that a draft agreement will be complete in the coming months and will be made available ready for public comment. What is different from previous agreements is that the Town is taking a stronger stance on safeguards that will hold WM accountable for odor events as well as protect the surrounding community with a property value protection plan.

Update: The Town continues to develop the draft Benefits Agreement. The Town's intent has always been, and will continued to be, to engage the public for input and comment on the new agreement with WM.