

## MAX Bulger Facility to Prepare Applications for Residual Waste Landfill and Waste Treatment Operation

MAX Environmental Technologies, Inc. plans to apply to the Pennsylvania Department of Environmental Protection (Department, or DEP) for a permit for a residual waste landfill and a waste treatment operation at the Bulger facility. This fact sheet provides an overview of our planned efforts and how interested parties may be involved in the application process.



*Typical cross-section of a Class 1 Residual Waste Landfill*

### Residual Waste Landfill

MAX has hired a consulting engineering firm to prepare an application for a new residual waste landfill at our Bulger facility. The landfill would comprise an approximate 21-acre area in the north central portion of the facility property in Smith Township (see Landfill 3 on inside figure). This location is the same area that had been approved for a landfill by the

DEP in 1991. (However, as that project had never been pursued, a new application must be prepared.)

The new landfill will be designed to meet DEP standards for residual waste landfills (found in 25 PA Code, Chapter 288). As a facility that can accept a broad range of non-hazardous industrial, construction, and

demolition wastes, the landfill will adhere to DEP's Class 1 criteria, the most restrictive of the Department's design standards. In addition to a groundwater monitoring system, Class 1 standards require a double liner system with leak detection and a leachate collection and treatment facility.

### Waste Treatment Operations

MAX also proposes to construct and operate a waste treatment facility. The operation would be located in an area north of Landfill 3. Wastes treated at the

facility would be either solidified through mixing with dryer materials, stabilized to chemically bind metals so that they don't leach, adjusted to a

proper pH, or treated through a combination of these processes. Only non-hazardous waste treatment is being considered by MAX at this time.



Permitting Application Process

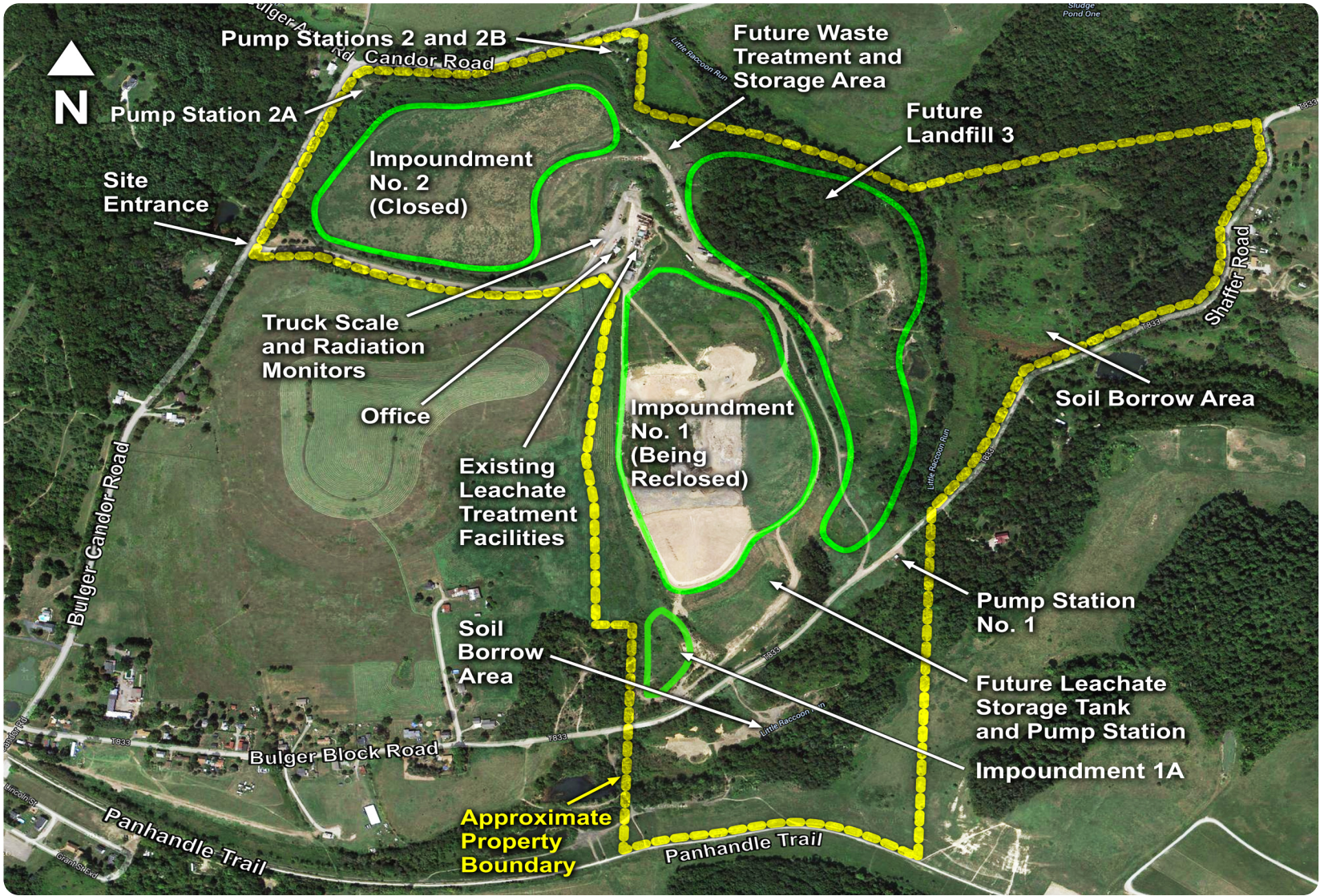
MAX expects that permit applications for the landfill and waste treatment operations will be combined for submission to the DEP. The overall application process is expected to take approximately three years.

MAX held an initial public informational meeting at the Slovan VFW in June 2014. Another public informational meeting will be held on July 20, 2017. After the meeting, MAX will first submit to DEP the Phase 1 portion of the application. This portion of the application will address environmental evaluations, siting considerations and pre-application public comments.

Phase 2 of the application, expected to be submitted sometime in 2019, will include technical design of the landfill and waste treatment operations.

As the overall permitting process is expected to require several years, ultimate construction of the landfill and treatment operations, if permitted, would be expected to start in the 2020 to 2021 time frame. By then, activities associated with the permanent closure of Impoundments 1 and 1A will be completed, and waste transportation and filling operations may be transitioned to the new facilities.

Trucks transporting waste to the new facilities will be of the same type and frequency as those that currently transport waste fill material for the Impoundment 1 closure project.



Public Input Sought

MAX Environmental is seeking public input on the landfill and waste treatment facility applications. We will host a second pre-application public meeting at the Slovan VFW on Thursday, July 20, 2017 at 7 p.m.

Public comments received at this meeting will be included in the Phase 1 portion of the landfill application to be submitted to the DEP later this year. In addition to providing comments at the meeting, interested individuals may send comments at any time to the DEP (see bottom of Page 4).

Individuals interested in receiving more information from MAX or touring the facility should contact Carl Spadaro, Environmental General Manager (see bottom of Page 4).

Public input will continue to be sought and considered throughout the application process for the landfill and associated waste treatment operations.

A complete schedule of public participation activities is provided below. Individuals interested in providing input are encouraged to attend the pre-application meeting on July 20, 2017 so that they may obtain complete and accurate information early in the process.

Questions and requests may be submitted any time in advance of the meeting by contacting Carl Spadaro of MAX (page 4).

PROPOSED PUBLIC PARTICIPATION SCHEDULE — PHASE I DEP APPLICATION — JUNE 2017 UPDATE

Public Participation Activity	Date (s)
Initial public notifications of intent to prepare application	April and May 2014
Host first public meeting before application is prepared (hosted by MAX)	June 23, 2014 - 7 p.m., Slovan VFW
Maintain information repositories for public viewing of documents at Smith Township and Heritage Library.	Beginning Summer 2014 (continues through entire permitting process.)
Host second public meeting before application is prepared (hosted by MAX)	July 20, 2017 - 7 p.m., Slovan VFW
Include public comments from pre-application meeting and other information received by interested parties in the Phase I application package to DEP	Fall 2017 (Should the application be delayed, subsequent dates will be adjusted accordingly.)
Inform interested parties that an application has been sent to DEP (official notice by DEP; additional notices by MAX)	Fall 2017
Host public hearing (hosted by DEP)	Date to be determined
Response to public comments prepared by DEP	Date to be determined
Continue to update interested parties via newsletters, website updates, mailings and/or other forms of communication (MAX)	Updates throughout process and as requested
Host tours or attend local meetings as requested (MAX)	As requested throughout process
Begin additional public participation associated with Phase 2 application.	Date to be determined (sometime in 2019)

Questions and Answers

1. When would the landfill be constructed?  
The landfill would not be constructed until the permitting process is completed, in approximately three years.
2. How will this affect truck traffic?  
The projected startup of landfill and waste treatment operations is about three to four years from now, which is the same time frame that closure operations would be finished on Impoundment 1 and 1A. As a result, truck transportation would begin for the new landfill at the same time that it would cease for Impoundments 1 and 1A closure activities. As similar volumes of wastes will be accepted at the facility, an overall increase in truck traffic is not anticipated.
3. Is this a hazardous waste landfill?  
No. The landfill will be for residual (non-municipal; non-hazardous industrial) wastes.

(Continued on page 4)



## Questions and Answers

(Continued from Page 3)

MAX is seeking a permit to treat certain types of non-hazardous wastes before disposal. These wastes will be limited to those that require stabilization (treatment to chemically bind metals so that they don't leach), solidification (addition of bulky or dry materials), or neutralization (adjusting the pH).

### 4. What kind of waste would be disposed of in the landfill?

Wastes that may be disposed of in the landfill are similar to those currently placed on Impoundment 1. These include waste soils and demolition debris (such as those from brownfield site development and roadway expansions where soils cannot be reused as clean fill), oil/gas drilling waste, slag, and other non-hazardous industrial solid wastes. Neither the landfill nor the treatment operation would be permitted to take flammable or combustible material, reactive wastes, organic chemicals, biological waste or nuclear waste.

### 5. How will the facility manage oil and gas waste that could have some naturally occurring radioactivity?

The facility would follow the same DEP guidelines and restrictions for oil and gas waste as any community municipal landfill or industrial waste landfill. All waste entering the facility would be screened by radiation detectors. Should any truck register

naturally occurring radiation above background levels, the following DEP restrictions would apply:

- 1) Any detected radiation must be confirmed that it is from naturally occurring materials (i.e., earthen materials considered TENORM, technologically enhanced naturally occurring radioactive materials).
- 2) Radioactivity levels must be within standards deemed safe for workers and the surrounding public.
- 3) The facility may not accept more TENORM waste for the month if the monthly limit has already been reached.

### 6. How would approval of these operations benefit the community?

Consideration of the benefits to host communities is part of a formal environmental evaluation required by DEP in its application process in what's known as a "harms and benefits analysis." Projected benefits would include revenue generated from host fees, taxes, and local services as well as considerations such as employment. Preliminary evaluations indicate that over a 10-year span, the projects would generate over \$1 million in benefit fees to Smith Township and in excess of \$10 million total in regional and state fees, taxes, local services and employment. MAX expects to hire between two and

four new permanent employees to manage the operations.

### 7. What other permits will be needed?

In addition to approvals for construction and operation through DEP, MAX would be required to obtain any local authorizations required by Smith Township and the Washington County Conservation District. In addition, coordination is expected for agencies such as PennDOT and the U.S. Environmental Protection Agency.

### 8. What if a truck spills waste on the road?

As with current transportation of wastes to the Bulger facility, all transporters are required to follow prescribed incident prevention and response procedures, be equipped for handling such incidents, and follow MAX's transportation safety plans. In addition, both MAX and the transporters maintain plans for immediate coordination with local emergency responders, including emergency response teams. MAX maintains spill control and cleanup equipment at its Bulger facility that can be deployed in response to a spill. MAX also contracts with third party contractors for road cleaning and spill response. Should any transporters be found in violation of planning and safety requirements, they would be prohibited from transporting wastes to the facility.

#### For More Information:

**MAX Environmental Technologies, Inc.**  
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 Environmental General Manager  
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 Pittsburgh, PA 15241  
 (412) 343-4900  
[cspadaro@maxenvironmental.com](mailto:cspadaro@maxenvironmental.com)

#### To Contact the PA DEP:

**Pennsylvania Department of Environmental Protection**  
 Bureau of Waste Management  
 400 Waterfront Drive  
 Pittsburgh, PA 15222  
 (412) 442-4125  
[www.depweb.state.pa.us](http://www.depweb.state.pa.us)