

Falls EAC Meeting Nov 10, 2022

Attendance

EAC members

Present: Eileen Donahue, Jeannine Delwiche, David Walsh, John Bentz, Wes Plaisted

Absent: Phil McAloon, Erik Person

Others present: Tony Montonario, Eric Oehling, Bobby Jones, Erin Mullen

Meeting Called to order: 6:58pm

Minutes: Sept 8, 2022 and Oct 13, 2022 minutes were unanimously approved (5 yeas)

ITEM #1: WASTE MANAGEMENT PRESENTATION (figure 1)

Composting facility now approved. Adding in food waste. Uses anerobic respiration indoors and creates compost in 30 days. Located at 600 Tyburn Rd, next to existing yard waste compost facility. Will be able to compost food waste from commercial sources, like supermarkets and restaurants.

Building a state-of-the art facility. This is the 5th such facility they have built. They will be purifying the methane and adding it into the pipeline. This will be their largest facility to date.

Briefly, the purification steps are as follows:

1. Remove H₂S
2. Compress and chill to remove water to be treated subsequently
3. Cycle through pressure swing absorption by pressurizing across different media beds, then depressurized to separate CO₂ from methane
4. Purified methane is then compressed and injected into the pipeline near Dominion on the old steel mill property

This project will continue as long as the gas it produces is 50% methane, which will be long after the closure of the landfill.

Site development will begin next year. The hope is that the plants will be running by Q1 2024. They are currently working through the permitting process with the DEP.

Wes reviewed the WM expansion plan (Figure 2). Everything looks to be in order. Expansion not near a water source or wetlands.

ITEM #2: PLAN REVIEWS

Wes reviewed some reports and did not see anything new. Rose is sending the links earlier but Wes cannot view them. Erin will speak with Rose and others to try and get the plans to be shared as pdfs.

ITEM #3: COMMUNITY GARDEN UPDATE

None, given to Phil's absence. Fall clean-up is likely to be later this month.

ITEM #4: FALLS TOWNSHIP RESIDENT CONCERNS

None

ITEM #5: GOAL/LOCAL EAC ACTIVITIES UPDATE

No updates

ITEM #6: EARTH DAY 2023

We plan to have a table again at Core Creek Park.

Erin suggested we consider partnering with the activities at Snipes Farm.

Jeannine will reach out and see about collaboration and promotion possibilities.

Waste Management expressed interest in supporting Earth Day activities as well.

ITEM #7: IDEAS FOR NEWSLETTERS

Deadlines TBD – Jeannine will check with Rose.

Ideas for Fall/Winter newsletter

- For Spring/Summer 2023: Natural alternatives to insecticides
- For Fall 2023: Leave leaves in place for pollinators.

ITEM #8: MS4 CONSIDERATIONS

Nearby townships have their permits and are pursuing those efforts, mostly focused upon riverbank restoration. Last month's bridge project was discussed in the context of MS4 activity.

ITEM #9: OLD/NEW BUSINESS

Old Business

- The park clean-up organized for Oct 2 for <https://healthylandweek.org/> in collaboration with Brian Andrews at Falls Township Parks and Recreation was cancelled due to rain.
- We now have an Instagram account but we have yet to link the Instagram and FB pages. Eileen will work with Jeannine to sort this out further.
- The Vermillion Hills Bridge project discussed last month could fulfill many of the MS4 requirements.
- During construction, where will EAC meetings be held? Virtual?

New Business

- We will invite someone to speak about invasive species.
- Possibly organize a park clean up late February, early March of 2023.
- Possibly organize event to remove invasive plants from Falls Township.

Next meeting: Thursday, December 8 at 7pm.

ADJOURNMENT: 7:58pm

Figure 1

Fairless Landfill **1000 Bordentown Road Morrisville, PA 19067** **WM** **Renewable Natural Gas Project**

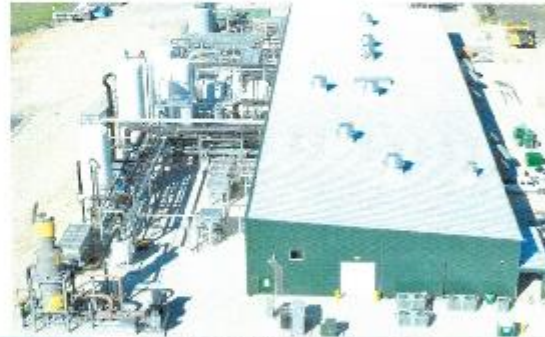
Always working for a sustainable tomorrow, WM continues to invest in environmental services. In addition to managing more post-consumer recyclables, WM operates the largest landfill gas-to-energy program in the country. WM's landfill gas-to-energy projects beneficially utilize the biogas that is generated when organic material decomposes in a landfill. Use of this renewable energy as a substitute for fossil fuels reduces greenhouse gases, benefiting the community and the environment.

At the Fairless Landfill complex in Falls Township, WM proposes to construct a state-of-the-art Renewable Natural Gas (RNG) facility. The RNG facility will process biogas collected from the landfill into pipeline-quality gas for injection into the nearby commercial gas distribution network. The facility is expected to recover and distribute roughly 3 million MMBtu's per year of renewable natural gas. The recovered gas would serve the equivalent of 65,000 households annually in Pennsylvania or would fuel the equivalent of approximately 2,750 heavy duty waste and recycling vehicles annually. Through the beneficial use and recovery of the landfill-derived biogas, more than 170,000 tons per year of carbon dioxide emissions would be avoided or reduced.

The Fairless Complex is comprised of 3 separate landfills: Fairless, GROWS and GROWS North. Currently, three Ultra-Low Emission (ULE) flares are used as the primary control for the landfill gas generated from the facilities, and five enclosed flares are available as back-up to the ULE flares. The Fairless RNG Facility will become the preferred means of managing landfill gas collected from the Fairless Complex, with any excess gas controlled by one of the three ULE flares, with the remaining two flares available as a back-up to the RNG plant. The five enclosed flares will be decommissioned and taken out of service at the Complex.

Project Highlights:

- \$80 Million investment by WM for the RNG facility
- Numerous jobs created for the community during construction and operation
- Decommissions and eliminates (5) enclosed flares at complex
- Facility expected to be operational in 2024
- Greenhouse gas emissions avoidance of more than 170,000 tons per year
- 170,000 x 20 yrs = 3.4 Million tons of greenhouse gas emissions avoided



Learn more at:



For project information, please contact:

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Project Manager
eoehling@wm.com

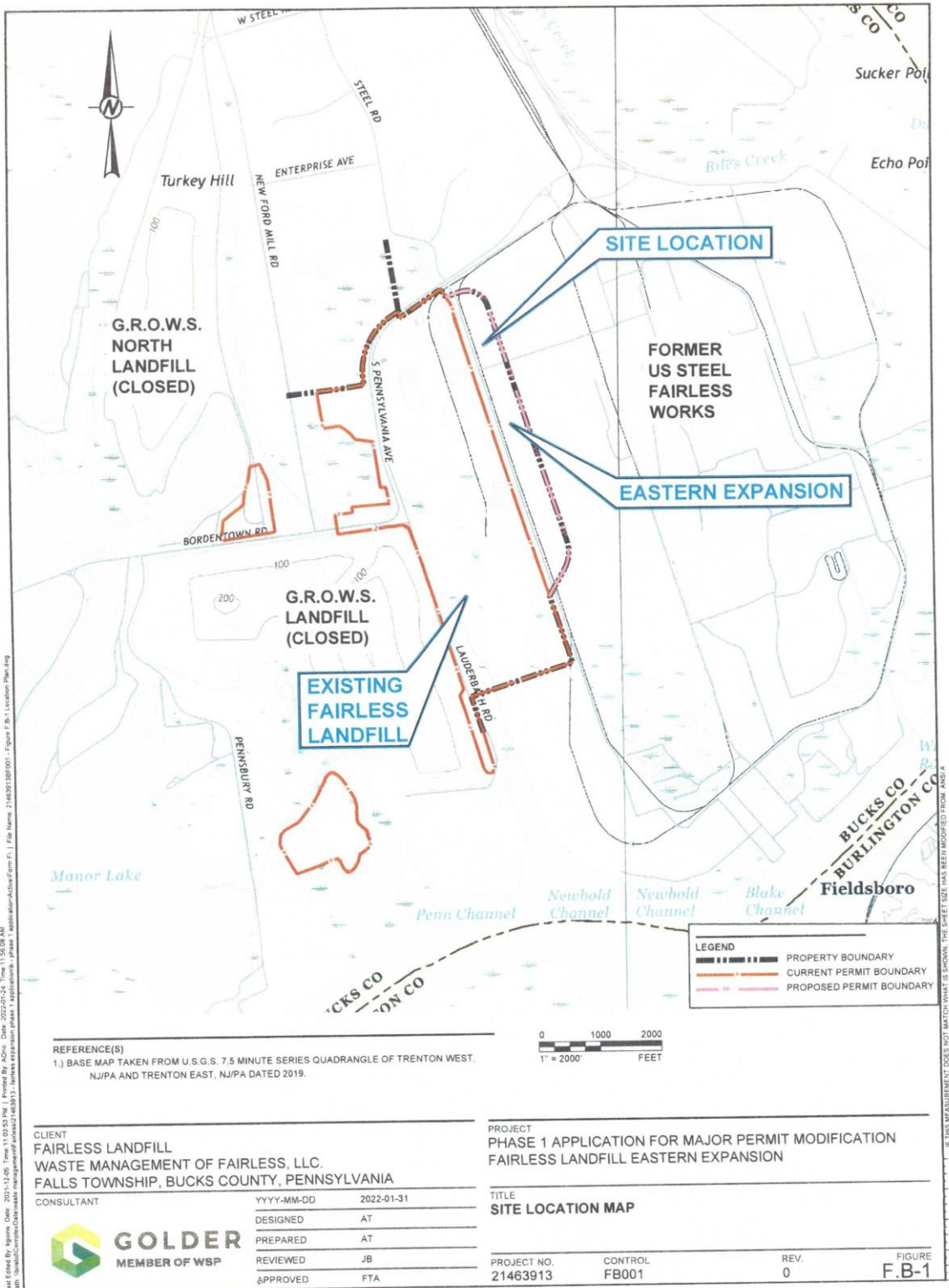
2022 Sustainability Report - <https://sustainability.wm.com/>

"Use of RNG can provide benefits in terms of fuel security, economic revenues or savings, local air quality and greenhouse gas emission reductions." United States Environmental Protection Agency



WM
Presentation.pdf

Figure 2



WM expansion.pdf