



Ross Incineration Facility Rezoning Request

WHAT IS ROSS PLANNING TO DO?

Seek approval to
expand the
permitted facility
footprint

Permit and construct
a monofill for
residuals from the
incineration process

WHY IS ROSS DOING THIS?

Control over all
aspects of our
business including
our residuals
management

Long term viability
of the company - A
strong Ross is good
for the community
and our employees

HOW WILL THIS AFFECT THE NEIGHBORHOOD?



Will I see it?

- ▶ No. Ross will solidify its incineration residuals into a concrete-like material prior to placement in the monofill, which will prevent dust.
- ▶ The monofill will be covered when not receiving residuals in order to reduce contact with rainfall and further prevent dust.
- ▶ Ross will be planting fast growing trees around the perimeter of the monofill to provide an attractive visual barrier.



Will I smell it?

- ▶ No. A monofill contains waste from a single operation. In this case, the waste disposed of in the monofill will only be inert incineration residuals from the incinerator that is already operating at our Giles Road site.
- ▶ Because of the nature of these materials, there will be no odors like you would expect at a municipal landfill, and it also won't attract rodents, animals, or birds.



Will I hear it?

- ▶ No. Work in the monofill will be limited to 8:00am - 5:00 pm Monday through Friday.
- ▶ Ross will be using state-of-the-art equipment with specialized backup alarms so that movement of powered industrial equipment will not disturb our neighbors.



Views of Completed Monofill

A

Looking east from Durkee Rd.



C

Looking south from tee box at Pine Brook Golf Course



B

Looking northeast from behind house on Giles Rd.



D

Looking North from Giles Rd.



Facility Rezoning Request

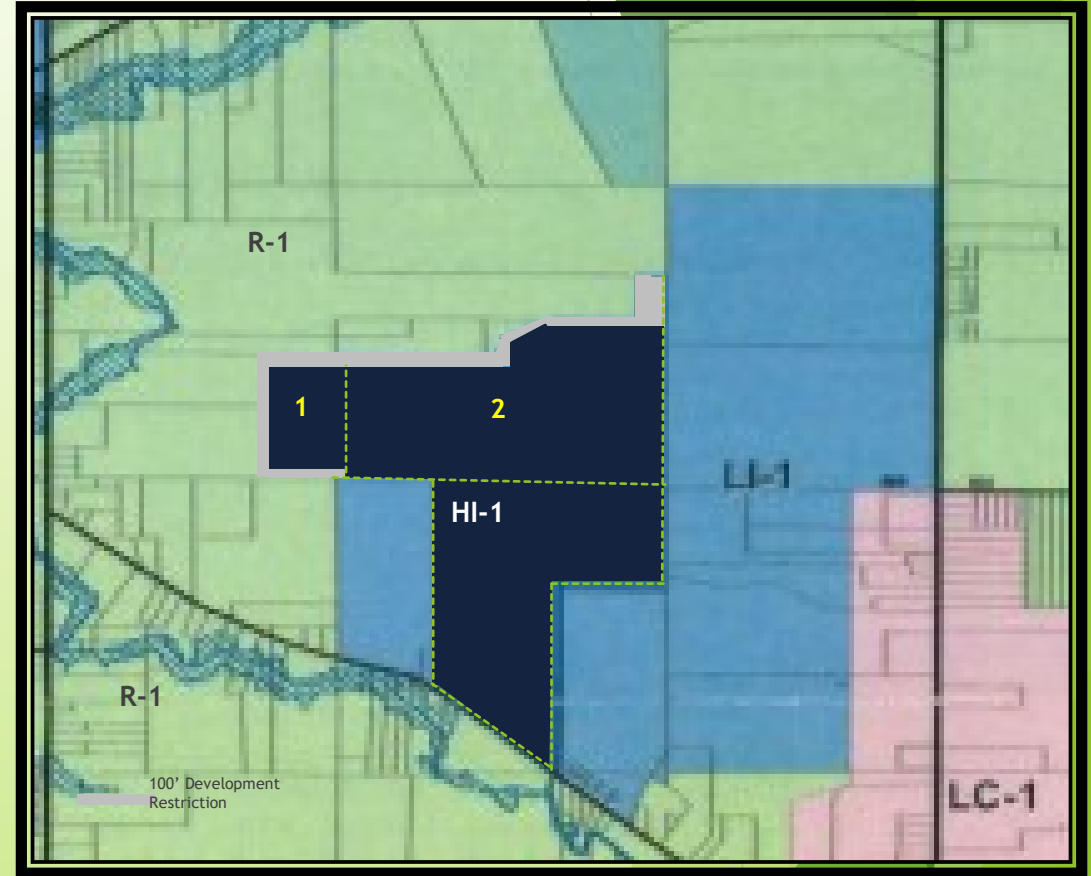
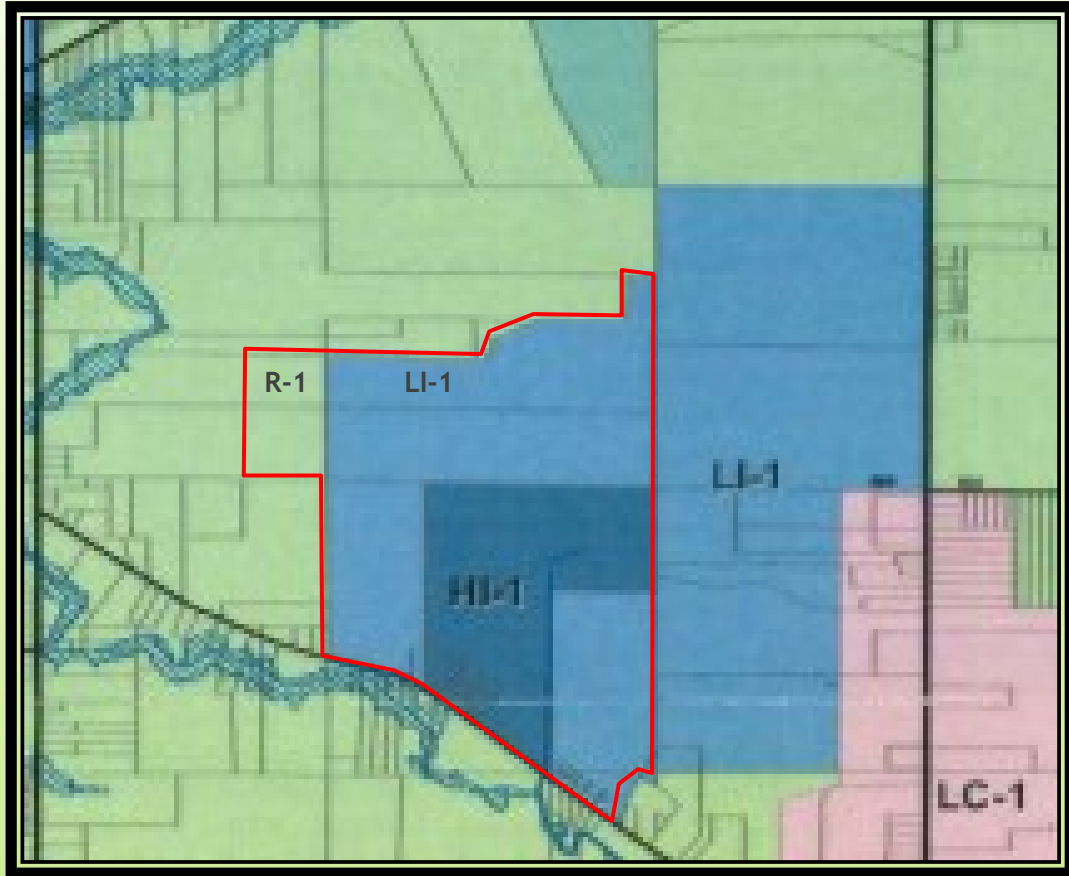


- Facility Rezoning Request
- Active Monofill Facility Fenceline
- Existing Facility

THE MONOFILL AT A GLANCE

- Monofill ~ 23 acres (~48-year lifespan)
- Waste Depth ~ 10-17 feet
- Height ~ Max. 50 feet
- Double liner system
- Leachate Collection System
- Screening from view
- Groundwater Monitoring
- Daily Cover to reduce contact with air and rainwater
- Only one type of waste - incineration residuals

Zoning Change Request



Ross is requesting that the Eaton Township Zoning Commission and Eaton Township Trustees approve rezoning two parcels surrounding Ross Incineration Services, Inc. to the Heavy Industrial (HI-1) zoning classification.

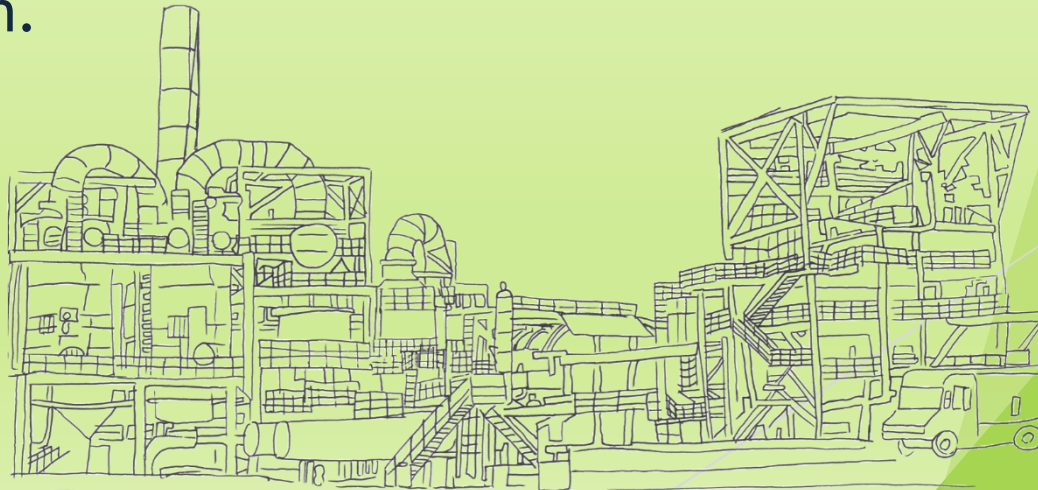


STEP 1

WASTE RECEIPT

HAZARDOUS WASTES ARE RECEIVED AT THE ROSS INCINERATION FACILITY

Wastes include liquids such as industrial solvents, sludges and oils as well as solids such as rags, paints and demolition debris. The transportation of waste is regulated and monitored by the U.S. Department of Transportation.





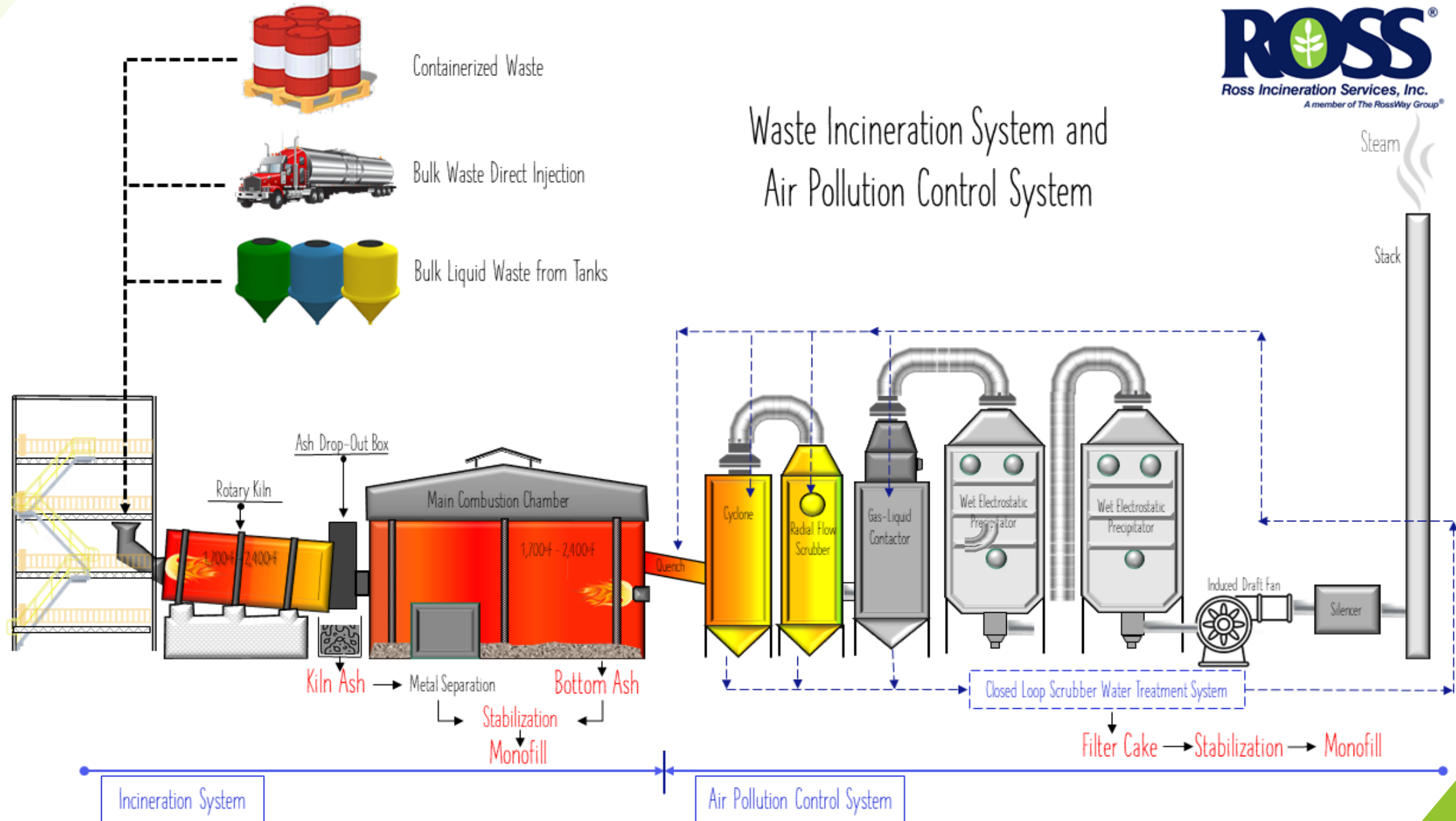
STEP 2 INCINERATION

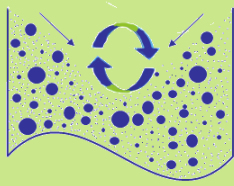
WASTE IS INCINERATED AT TEMPERATURES HIGH ENOUGH TO DESTROY THE HAZARDOUS CONSTITUENTS AND REDUCE THE VOLUME.

Material that remains after incineration is known as “incineration residuals.” Incineration residuals can consist of ash, filter cake, and other residuals such as refractory brick, air pollution control packing and salts.

Currently Ross Incineration transports these residuals to an off-site facility. The monofill will allow Ross Incineration to treat and dispose of these residuals onsite, thereby improving the long-term viability of Ross.

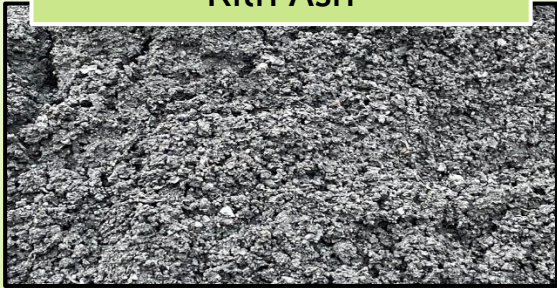
Waste Incineration System and Air Pollution Control System





STEP 3 STABILIZATION AND SOLIDIFICATION

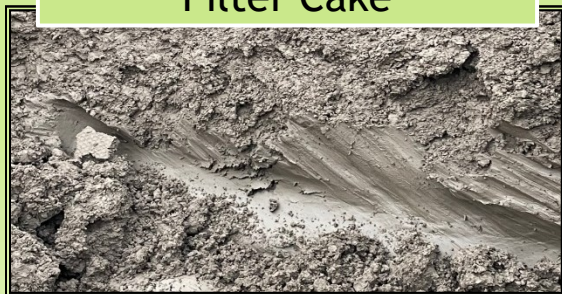
Kiln Ash



Incinerator Bottom Ash



Filter Cake



Stabilization Materials

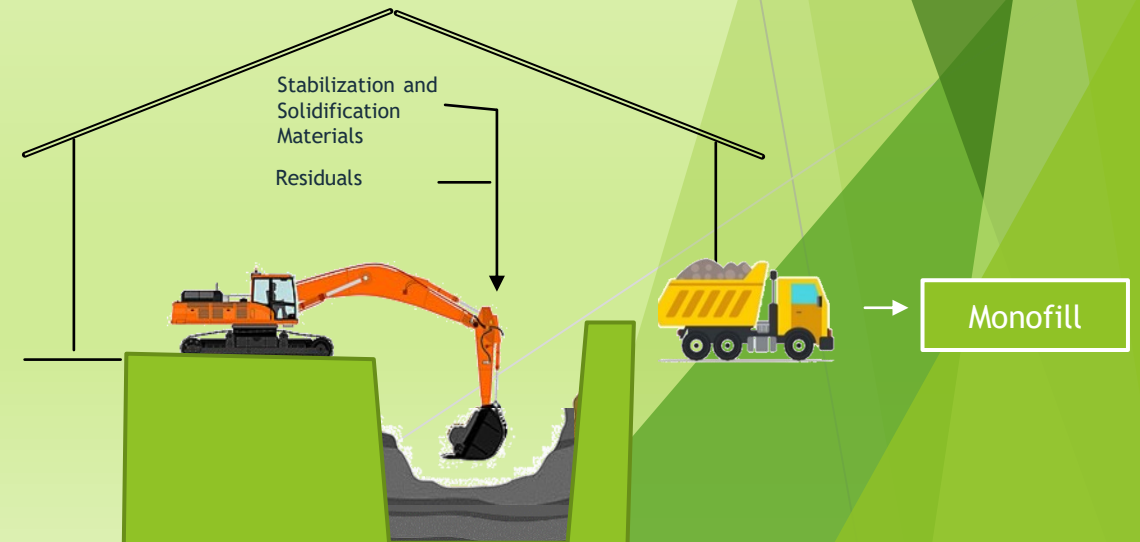


e.g., Portland cement, limestone,
or other appropriate reagent

THE RESIDUALS ARE STABILIZED AND SOLIDIFIED IN A CONTROLLED PROCESS

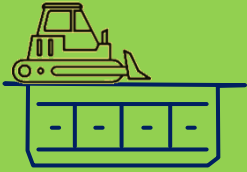
First, the residuals are placed into a specially designed container or pit to be cooled. Then they are mixed with materials like Portland cement and limestone. This step will stabilize any inorganic elements and solidify the residuals. When this process is completed, the residuals have a concrete-like consistency. All residuals will be stabilized in accordance with EPA regulations before being placed into the monofill.

- Solidification hardens the waste making it less permeable to water than untreated waste.
- Stabilization causes a chemical reaction that binds contaminants so they don't leach from the waste.





MONOFILL



STEP 4 **DISPOSED**

Finally, the stabilized and solidified residuals are carefully placed in a double-lined monofill cell.

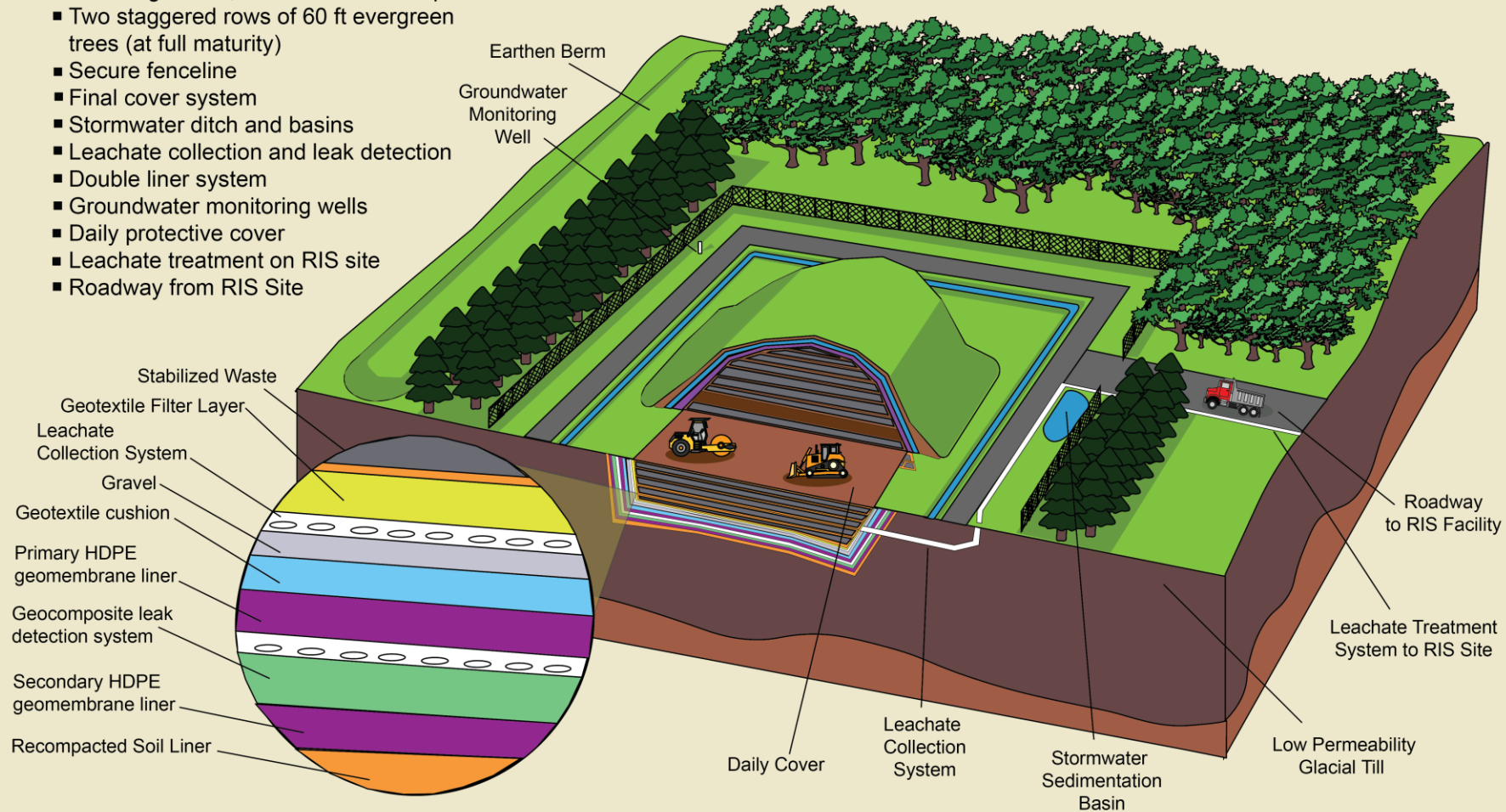
The monofill will be designed to meet or exceed industry standards and use the latest technology available. It will be comprised of multiple cells operating at a time. Each cell will be covered when not receiving materials. Any rainwater that passes through the monofill, known as leachate, will be collected and reused in the incineration process or safely disposed of at an EPA-approved facility.



Ross Incineration Services, Inc. Monofill

Design Highlights

- Max height 50 ft, stabilized waste depth 10-17 ft
- Two staggered rows of 60 ft evergreen trees (at full maturity)
- Secure fenceline
- Final cover system
- Stormwater ditch and basins
- Leachate collection and leak detection
- Double liner system
- Groundwater monitoring wells
- Daily protective cover
- Leachate treatment on RIS site
- Roadway from RIS Site



WHAT IS A MONOFILL?

A monofill is a type of landfill that only contains waste from a single operation. In this case, the waste disposed of in the monofill will be limited to inert incineration residuals from our current Giles Road incineration process.



What happens to these residuals currently?

Today, we transport residuals, materials remaining after incineration, to other facilities in the US. Relying on other companies leaves Ross vulnerable to possible disruptions in the business of those companies. Building our own monofill means we will be able to control all aspects of our process, which in turn supports the long-term viability of Ross.



How safe is the monofill?

This project will be completed with full regulatory oversight from the Ohio EPA in compliance with regulations established under the Resource Conservation and Recovery Act (RCRA) and the Occupational Safety and Health Administration (OSHA), as well as any applicable state and local zoning and building regulations.

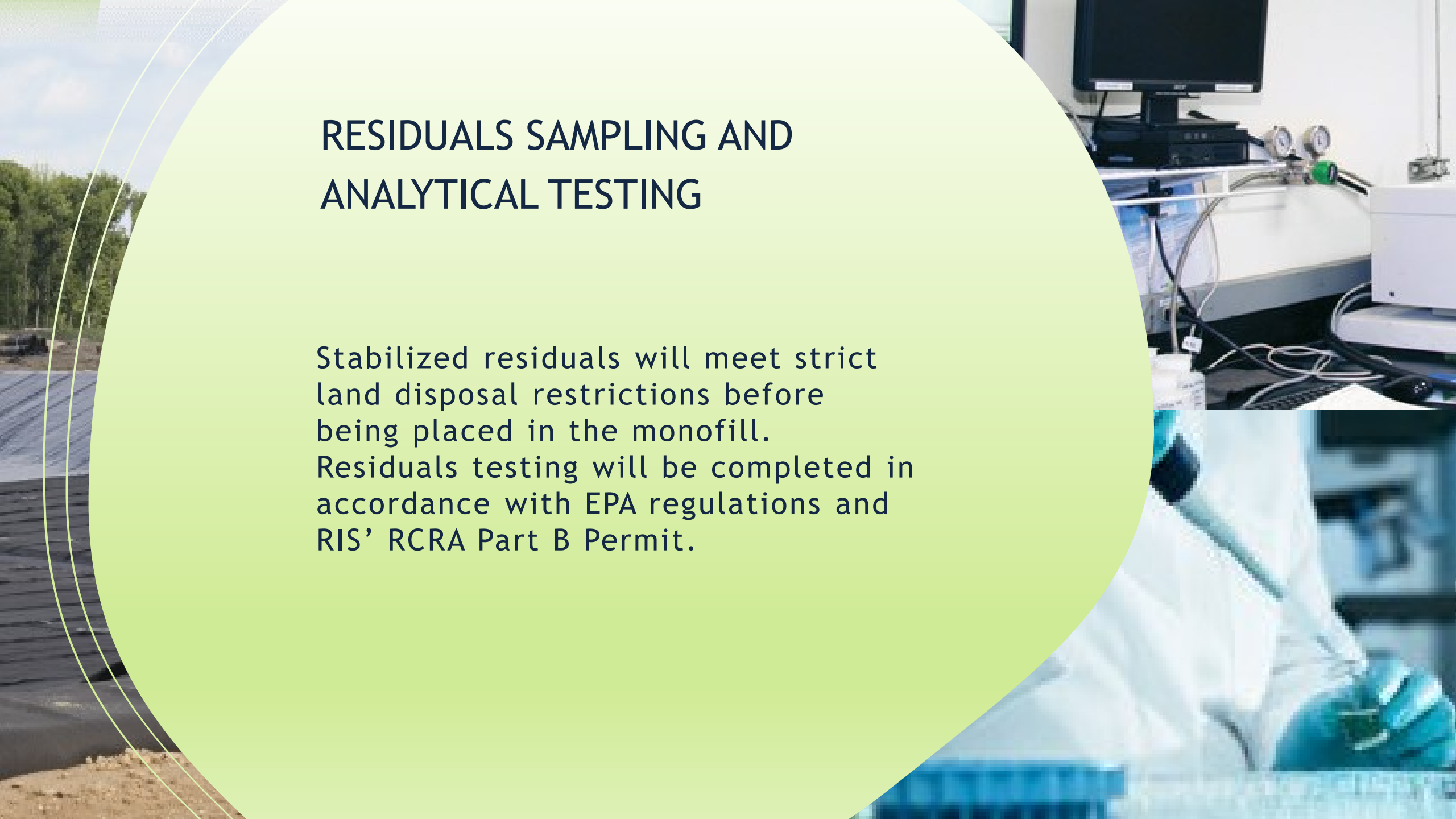
The monofill is to be constructed and maintained to meet or exceed US EPA and Ohio EPA landfill engineering design standards, which include, but are not limited to:

- A protective double liner under the monofill;
- Leachate collection and removal systems;
- Leak detection system;
- Run on, runoff, and wind dispersal controls to prevent migration of monofill constituents for at least a 25-year storm and prevent wind dispersal; and a
- Design incorporates a stability analysis including protections against earthquakes and settling
- Construction Quality Assurance Program - a rigorous construction, testing and certification process overseen by an independent professional engineer and Ohio EPA.



RESIDUALS SAMPLING AND ANALYTICAL TESTING

Stabilized residuals will meet strict land disposal restrictions before being placed in the monofill. Residuals testing will be completed in accordance with EPA regulations and RIS' RCRA Part B Permit.





STEP 5 MONITORED

Ross Incineration provides ongoing monitoring and maintenance of air, leachate and groundwater.

We have a proud history of safety and compliance in everything we do. We will continue to honor that commitment in the operation of this monofill. We have been a member of the community since 1949 and our ongoing maintenance of the monofill is just another way we take care of where we live and work. Monitoring will include groundwater monitoring, leachate monitoring, and air monitoring.



STILL HAVE QUESTIONS?

Our neighbors can feel confident that every step of the planned expansion is guided and regulated by various agencies and authorized bodies, from the Eaton Township to the Ohio EPA and US EPA.

If you have questions, you can contact the following people:

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