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Department

Legacy PFAS in a Former Ash Lagoon



Water Resources Recovery Facility



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Timeline

Do you know
you never
closed your ash
lagoon?



- 5/3/2017 - 90% Drawings & Specifications
- Inquiry to EGLE into need for permit
- Notice to close Ash Lagoon
- 10/27/2017 – Received initial sampling results
- Determined Closure Procedures
- **4/1/2019 – EGLE Approved Closure Plan**



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Timeline

Did you know
they are finding
PFAS in
incinerator ash?



- 6/19/2019 – Began determining limits of impact
- 1/6/2020 – PFAS added to list of parameters
- 1/13/2020 – Received PFAS limits
- 3/3/2020 – Lab report indicated PFAS
- 3/25/2020 – Received PFAS work plan - \$272,000
- 3/31/2020 – Informed of inclusion on MPART site
- 4/29/2020 – Email to City Manager

MPART Website



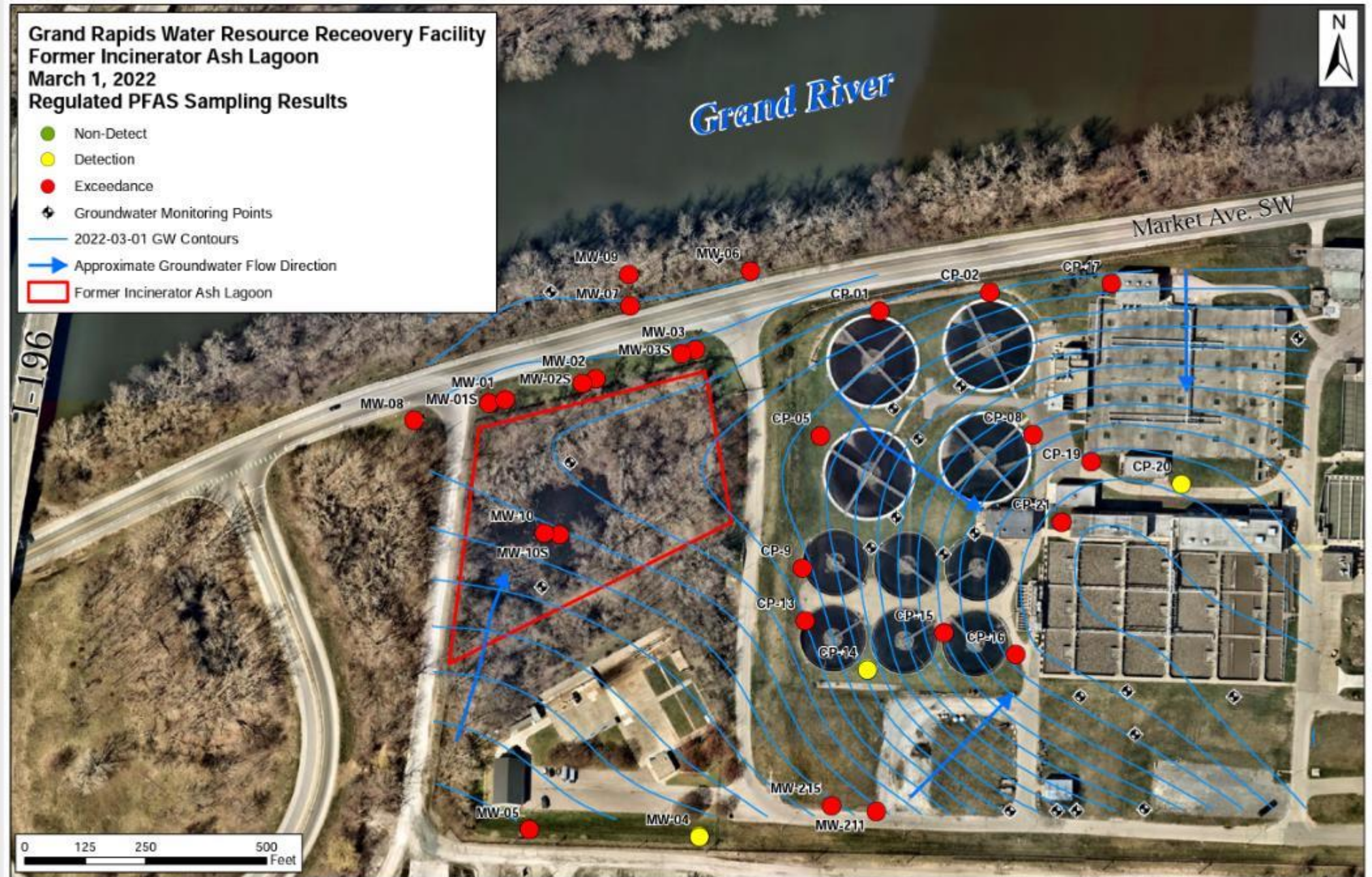
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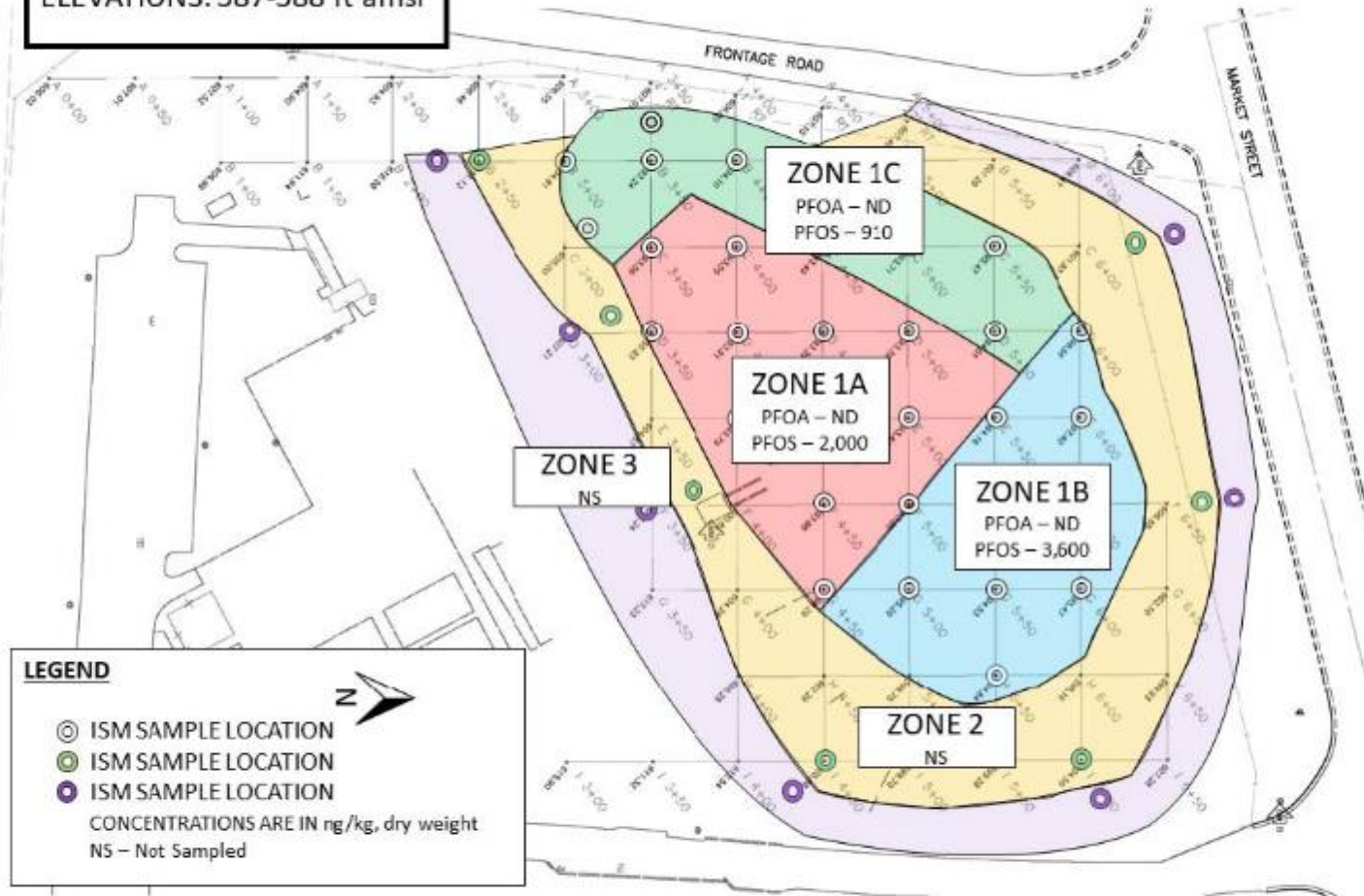


**Grand Rapids Water Resource Recovery Facility
Former Incinerator Ash Lagoon
March 1, 2022
Regulated PFAS Sampling Results**

- Non-Detect
- Detection
- Exceedance
- ⬮ Groundwater Monitoring Points
- 2022-03-01 GW Contours
- ➡ Approximate Groundwater Flow Direction
- ▭ Former Incinerator Ash Lagoon



DEPTH: 5-6 ft bgs
ELEVATIONS: 587-588 ft amsl



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Source Removal
Soil Values
Landfill costs

TITLE: PFOA AND PFOS RESULTS – ISM SOIL SAMPLES (5-6 ft)

PROJECT: ASH LAGOON CLOSURE

SCALE: NO SCALE

DATE: 4/20/2022

PROJECT NO.: 171309.4

FIG. NO.: 7

DR. BY: JRS

REV. BY: RH



MATERIALS TESTING CONSULTANTS

Items to Address



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- Landfill costs
- Groundwater treatment
- Offsite impacts



Successes



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- EGLE team works with us understands challenges
- Clean Water State Revolving Fund

Questions?



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