





# Discussion on status of Florence C & D Landfill

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# History

- Use of property as a landfill dates back many years. 1972 was the first Special Use Permit for the property as a landfill
  - July 1991 Renfroe's (previous owner) special use permit (SUP) was revoked. Many violations involved.
  - Original 1994 Florence SUP (new ownership) was restricted to only construction and demolition debris (C & D) materials. Approval made in part to get land cleaned up from previous owner.
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# Previous approvals

- (1994) ZOS-07-94
  - (1999) ZOS-29-99
  - (2005) ZOS-04-05
  - (2010) ZOS-03-10
  - (2015) ZOS-02-15
  - (2018) ZOS-03-18
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# Recent Application

- In 2023 the applicant applied for a SUP renewal (Z23-000005).
  - The application was not brought before the BoCC at the request of the applicant.
  - The applicant notified ACGM that they intended to make use of legislative extensions.
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# Recent Application

- In June 2024, a settlement agreement was made between the owner and a group of neighbors who had challenged the State DEP permit for the facility.
  - In October 2024, ACGM notified applicant that 1 year had passed from the SUP renewal application submittal and the application is considered as withdrawn/expired due to no action.
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# State Emergency Order Development Order Extensions

- Current SUP originally set to expire on 1/22/2024
- F.S. 252.363: *Tolling and extension of permits and other authorizations*
- Alachua County receives a notice by the property owner
- Not an “approval” by Alachua County
- Most recent notice from property owner was for Subtropical System Nicole. Emergency Order for Nicole expired on 8/13/2024. Emergency Order includes 24 month additional period

# FDEP & Alachua County Permit requirements

- Ground Water Monitoring Plan: sampling / reporting – Quarterly
    - Report any primary standard exceedances / resampling.
  - Screening of loads / spotters – required removal of all hazardous wastes
  - Control Dust and Odors
  - Setbacks and Buffers (min. 150') for disposal of waste
  - Facility Inspections as required
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Site Boundary (Approx.)

MONITORING WELLS

- To be abandoned for pond construction
- ⊗ Previously abandoned
- New detection well
- New deep detection well
- ◆ New compliance well
- ⬠ New deep compliance well
- ▲ New piezometer
- Existing detection well
- ▤ Existing compliance well
- △ Existing piezometer
- ⊗ Existing background well



# Florence C & D

## MONITORING WELL LOCATIONS

ENVIRONMENTAL PROTECTION DEPARTMENT, ALACHUA COUNTY


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Prepared By: EPD GIS  
 Date: January 16, 2025  
 Map Number: Florence\_Well\_Locations  
 Path: N:\GIS\GIS\_Analyst\_Projects\Florence\_Landfill\APROX\Florence\_Landfill.aprx

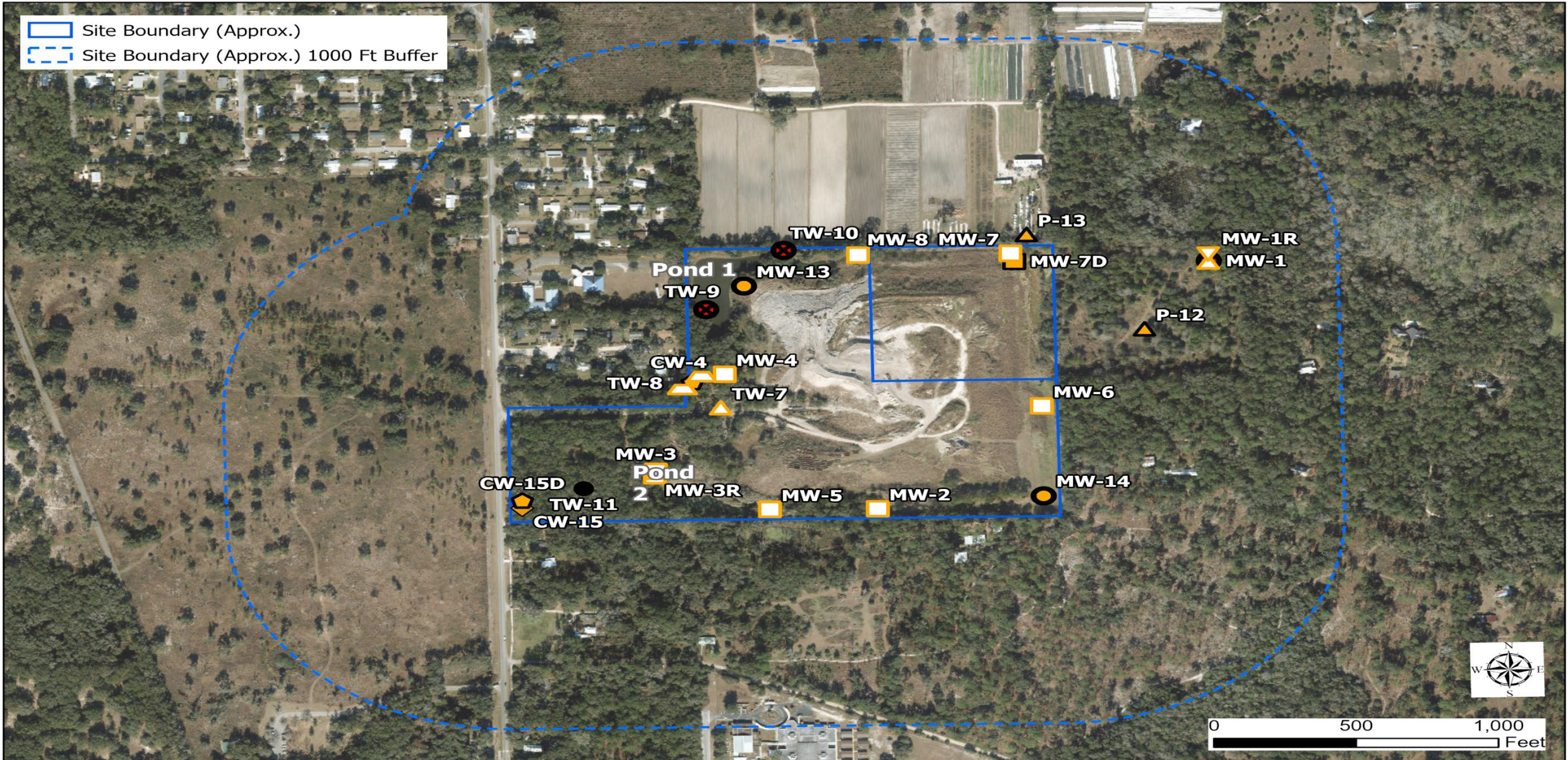















# Additional Alachua County Special Use Permit (SUP) requirements

- Inventory and sampling of private wells within 1000 feet (required every 2 years)
  - Copies of all reports to FDEP must be sent to ACEPD
  - Hazardous Materials Management Plan, Waste Management Plan, and exotic/non-native plant management plan must be updated with each SUP renewal
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 Site Boundary (Approx.)  
 Site Boundary (Approx.) 1000 Ft Buffer



**MONITORING WELLS**

- |  |  |  |
|--|--|--|
|  To be abandoned for pond construction |  New deep detection well  |  Existing detection well  |
|  Previously abandoned                  |  New compliance well      |  Existing compliance well |
|  New detection well                    |  New deep compliance well |  Existing piezometer      |
|  |  New piezometer           |  Existing background well |

**MONITORING WELL  
 LOCATIONS  
 1000 Foot Private Wells**


**ENVIRONMENTAL PROTECTION DEPARTMENT, ALACHUA COUNTY**  
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 Prepared By: EPD GIS  
 Date: January 16, 2025  
 Map Number: Florence\_Well\_Locations\_1000ft\_Buffer  
 Path: N:\GIS\GIS\_Analyst\_Projects\Florence\_Landfill\APROX\Florence\_Landfill.aprx



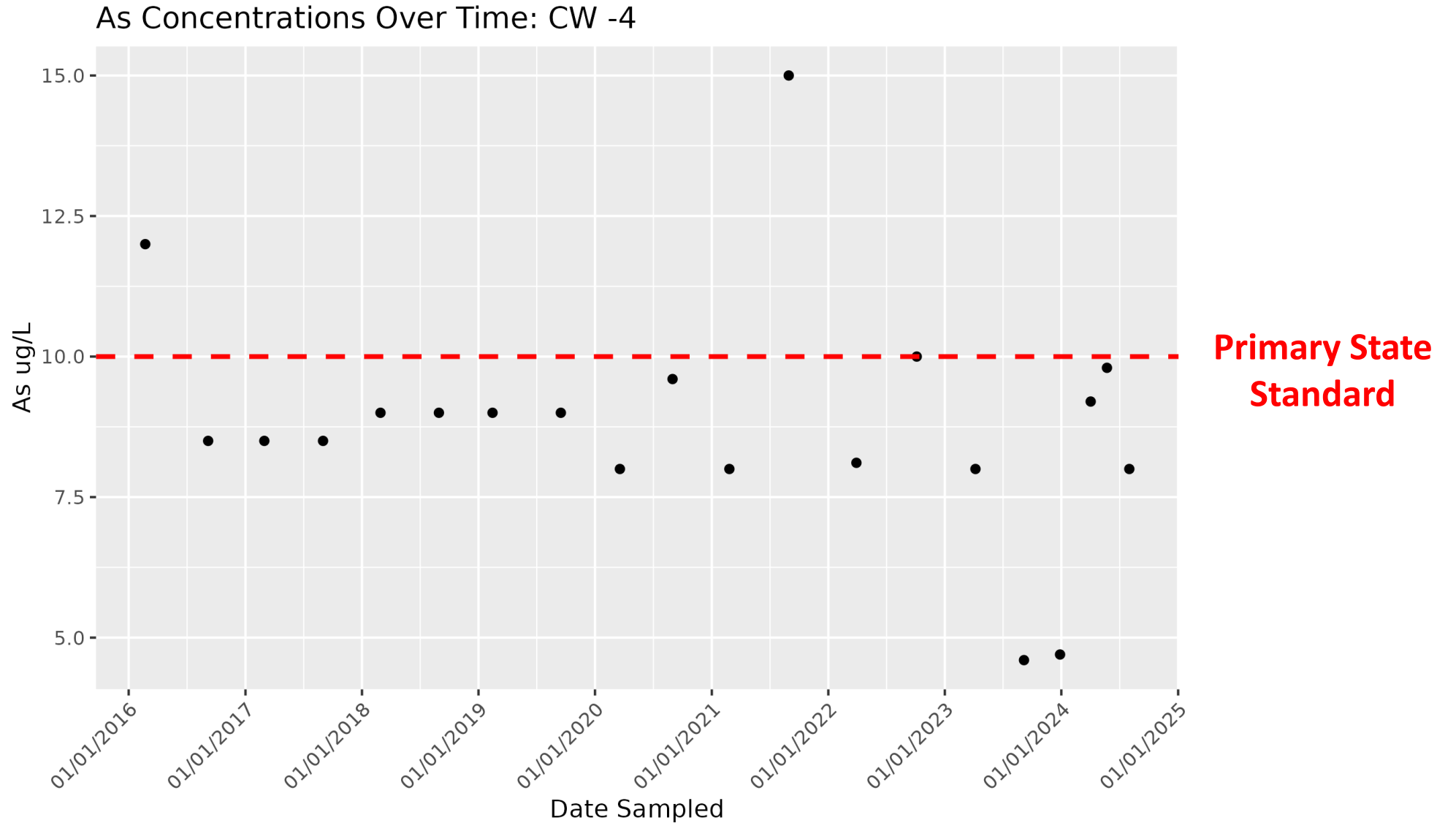
# Groundwater Sampling

## 62-701.510 Water Quality Monitoring Requirements:

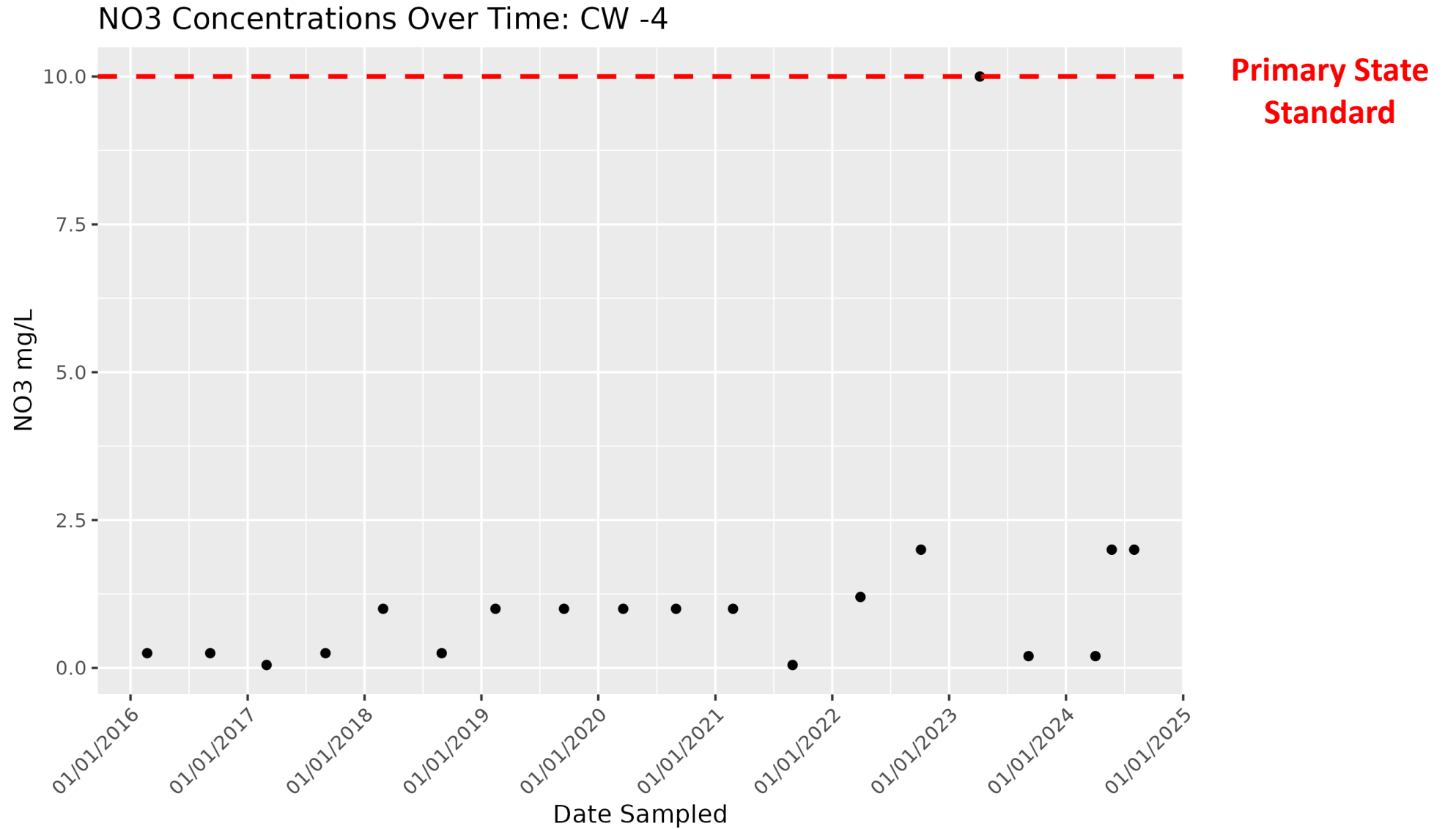
Applies to all applications for construction, operation, or closure (including long-term care) of a solid waste disposal unit at a landfill.

- Metals – Aluminum, **Arsenic**, Boron, **Cadmium**, **Chromium**, Iron, **Lead**, **Sodium**, and **Mercury**
  - Inorganics – Chloride, **Nitrate**, Total Ammonia-N, Sulfate, Total Dissolved Solids
  - Xylenes
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# Compliance Well 4 Arsenic Results

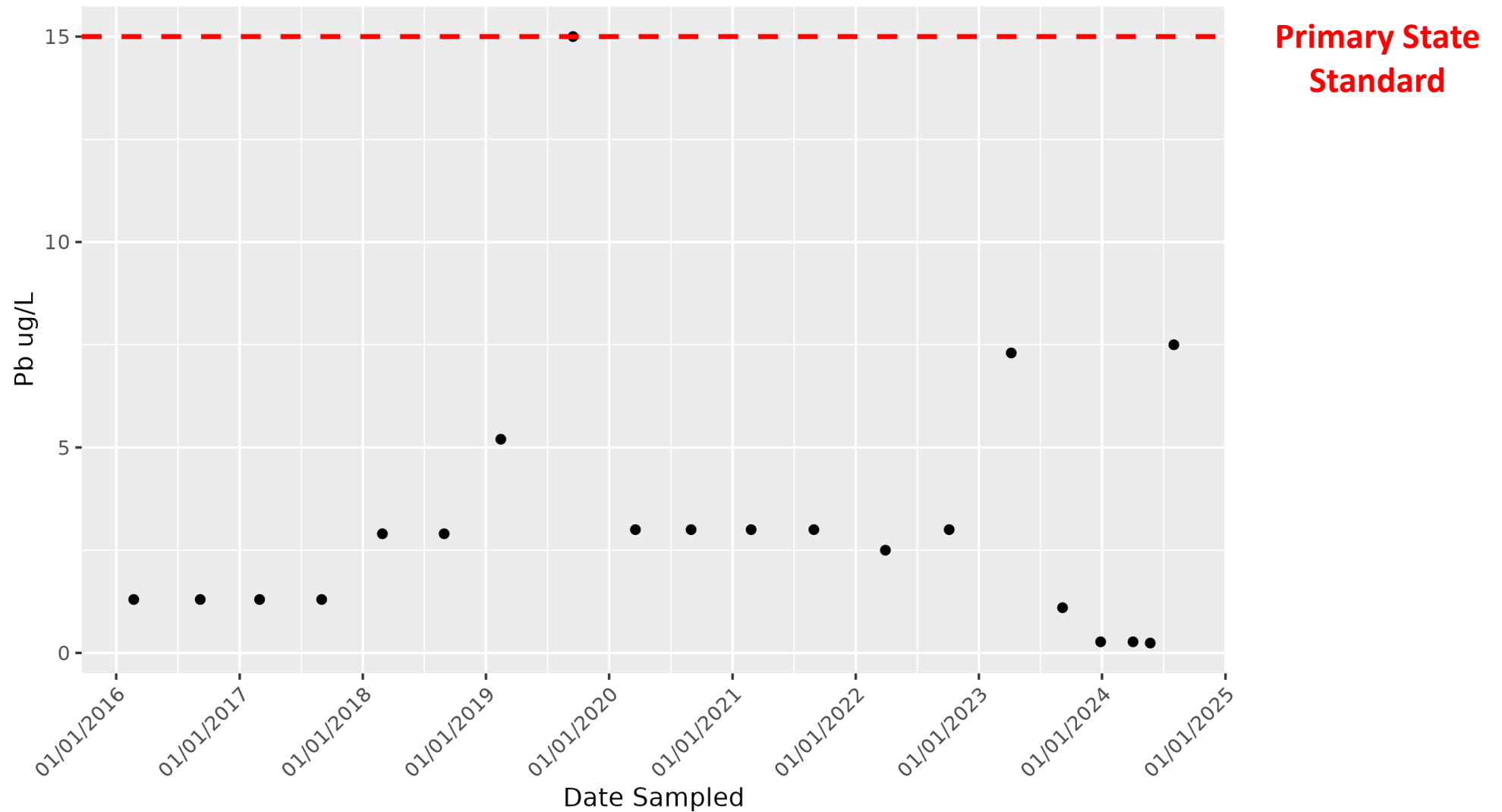


# Compliance Well 4 Nitrate Results



# Compliance Well 4 Lead Results

Pb Concentrations Over Time: CW -4




# Exceedances

- If parameters are detected in concentrations significantly above background water quality or at levels above FDEP's water quality standards in the detection wells or at the edge of the Zone of Discharge, the Permittee shall proceed in accordance with Rule 62-701.510(6) F.A.C.

# Exceedances

- Rule 62-701.510(6) F.A.C.

Evaluation monitoring, prevention measures and corrective actions:

- the permittee may resample the wells within 30 days after the sampling data is received, to confirm the data.
  - If the data is confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department in writing within 14 days of this finding.
  - Routine monitoring of all monitoring wells and surface water monitoring locations shall continue according to the requirements
  - within 90 days of notification from the Department to initiate evaluation monitoring and annually thereafter, the permittee shall sample and analyze a representative sample of the background wells and all affected detection wells for the parameters listed.
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# Discussion

- Board Questions
  - Public Comment
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