



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, ILLINOIS 60604**

**NOV 26 2019**

**DATE:**

**SUBJECT:** CLEAN AIR ACT INSPECTION REPORT  
Republic Services, Fort Wayne, Indiana

**FROM:** Patrick Miller, Environmental Engineer  
AECAB (MN/OH)

**THRU:** Brian Dickens, Section Chief  
AECAB (MN/OH)

**TO:** File

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**BASIC INFORMATION**

**Facility Name:** Republic Services dba National Serv-All (Republic)

**Facility Location:** 6231 MacBeth Road, Fort Wayne, Indiana 46804

**Date of Inspection:** October 1, 2019

**EPA Inspector(s):**

1. Patrick Miller, Environmental Engineer
2. Vicky Mei, Environmental Engineer

**Other Attendees**

1. Stephanie Goodman, Environmental Manager, Republic

**Contact Email Address:** sgoodman@republicservices.com

**Purpose of Inspection:** Landfill inspection

**Facility Type:** Municipal landfill

**Regulations Central to Inspection:** 40 C.F.R. § 60.750 Subpart WWW

**Arrival Time:** 10:45 AM

**Departure Time:** 1:15 PM

**Inspection Type:**

- ☒ Unannounced Inspection
- ☐ Announced Inspection

**OPENING CONFERENCE**

- ☒ Credentials Presented
- ☒ CBI warning to facility provided

The following information was obtained verbally from Ms. Goodman unless otherwise noted.

**Company Ownership:** The landfill is owned by Republic Services doing business as National Serv-All (National).

**Process Description:**

National is a landfill that accepts municipal solid waste (MSW), construction and demolition (CD) waste, and industrial waste. MSW is roughly 60% of the incoming waste, while CD and industrial waste represents the remaining 40% combined. All waste is comingled. National accepts 2,300 tons of waste per day. The landfill is about 25% certified-closed which includes Unit 1 (constructed in 1969 with a clay bottom) and Unit 2 (the first Subtitle D lined portion of the landfill). Unit 3 is active and the most recent expansion. There are approximately 40 years of remaining life at the landfill.

There is active landfill gas collection throughout all units. There are three blowers and two flares. The first flare was installed in 1996. The second flare was installed in 2014. Gas flow and temperature are monitored on the flares. Toro Energy owns the gas plant on-site. The gas is chilled, compressed, and sold to General Motors for use at its nearby plant. Any excess gas is flared.

National operates a leachate collection system as well. Unit 1 has a perimeter collection system and sump pump. Units 2 and 3 have leachate collection piping underneath the waste as well as a perimeter collection that is routed to a sump pump in each unit. There is no leachate pre-treatment prior to discharge. Approximately 1.8 million gallons of leachate are generated per month. Condensate is also collected and treated in one of two ozone tanks to remove phenols prior to discharge. Leachate and treated condensate are discharged to the City of Fort Wayne publicly owned treatment works.

There are gas collection wells that have higher operating values (HOV) for oxygen and temperature. For the HOV wells, National monitors gas quality and CO<sub>2</sub>. National uses auto fluff and clean soils from on-site for daily cover.

**TOUR INFORMATION**

**EPA toured the facility:** Yes

**Photos and/or Videos:** were taken during the inspection.

**Field Measurements:** were not taken during this inspection.

### RECORDS REVIEW

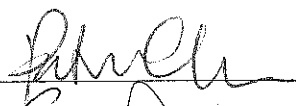
1. Surface Emission Monitoring Reports from February 19-20, 2019 and May 20-22, 2019

### CLOSING CONFERENCE

#### **Requested documents:**

- 2014 performance stack test
- The most recent performance testing for sulfur
- 2018 and 2019 (to date) well construction logs including location and date of install
- 2018 and 2019 (to date) flow to gas plant versus flares and downtimes
- 2018 and 2019 (to date) leachate and condensate volumes
- 2018 landfill map and 2019 as-built map with recent construction
- 2018 and 2019 (to date) gas well parameter data
- 2017 and 2018 depth to liquid levels and available perforations for wells.

### SIGNATURES

Report Author:  Date: 11/26/19

Section Chief:  Date: 11/26/19

**Facility Name:** Republic Services

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**APPENDICES AND ATTACHMENTS**

1. Appendix A – Digital Image Log

**Facility Name:** Republic Services

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**Date of Inspection:** October 1, 2019

**APPENDIX A: DIGITAL IMAGE LOG**

|                                                       |                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>1. Inspector Name:</b><br>Vicky Mei                | <b>2. Date(s) of Inspection:</b><br>October 1, 2019                               |
| <b>3. Company/Facility Name:</b><br>Republic Services | <b>4. Street Address, City, State:</b><br>6231 MacBeth Road, Fort Wayne, Indiana  |
| <b>5. Number of Images:</b><br>1                      | <b>6. Archival Record Location:</b><br>CD-R labeled "National Serv-All 10/1/2019" |

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I: PA010001.JPG

Location: Republic Services dba National Serv-All

Photographer: Vicky Mei

Date/Time: 10/1/2019 11:51 AM

Camera Direction: North

Description: Unit 2