Stormwater Pollution Prevention Plan

for:

Ankeny Sanitation Inc
7002 SE Delaware Ave
Ankeny, IA 50021
(515) 964-8229

SWPPP Contact(s):

General Manager
Dave Massey
7002 SE Delaware Ave
Ankeny, IA 50021
515-964-5229

SWPPP Preparation Date:

1/8/2024

Contents

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION 1
1.1 Facility Information 1
1.2 Contact Information/Responsible Parties 2
1.3 Stormwater Pollution Prevention Team 2
1.4 Activities at the Facility 2
1.5 General Location Map 3
1.6 Site Map 3
SECTION 2: POTENTIAL POLLUTANT SOURCES 3
2.1 Industrial Activity and Associated Pollutants 3
2.2 Spills and Leaks 6
2.3 Non-Stormwater Discharges Documentation 3
2.4 Salt Storage 4
2.5 Sampling Data Summary 4
SECTION 3: STORMWATER CONTROL MEASURES 4
3.1 Minimize Exposure 8
3.2 Good Housekeeping 4
3.3 Maintenance 4
3.4 Spill Prevention and Response 9
3.5 Erosion and Sediment Controls 5
3.6 Management of Runoff 5
3.7 Salt Storage Piles or Piles Containing Salt 5
3.8 Sector-Specific Non-Numeric Effluent Limits 5
3.9 Employee Training 5
3.10 Non-Stormwater Discharges 5
3.11 Waste, Garbage and Floatable Debris 5
3.12 Dust Generation and Vehicle Tracking of Industrial Materials 5
SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING 6
SECTION 5: INSPECTIONS 74
SECTION 6: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS 7
6.1 Documentation Regarding Endangered Species. 75
6.2 Documentation Regarding Historic Properties 75
6.3 Documentation Regarding NEPA Review (if applicable) 75
SECTION 7: SWPPP CERTIFICATION 8
SECTION 8: SWPPP MODIFICATIONS 97
SWPPP ATTACHMENTS 108
Attachment A – General Location Map
Attachment B – Site Maps
Attachment C – IDNR General Permit 1 or 3

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 Facility Information

Facility Information

Name of Facility: Ankeny Sanitation Inc

Street: 7002 SE Delaware Ave

City: Ankeny State: IA ZIP Code: 50021

County or Similar Subdivision: Polk County

Permit Tracking Number: N/A (if covered under a previous permit)

Latitude/Longitude

Latitude: Longitude:

3. 41.674989 º N (decimal) 3. -93.581695º W (decimal)

Method for determining latitude/longitude (check one):

☒ USGS topographic map (specify scale:) ☐ EPA Web site ☐ GPS

☐ Other (please specify):

Is this facility considered a Federal Facility? ☐ Yes ☒ No

Estimated area of industrial activity at site exposed to stormwater: 18.6 (acres)

Discharge Information

Does this facility discharge stormwater into an MS4? ☒ Yes ☐ No

If yes, name of MS4 operator: City of Ankeny

Name(s) of water(s) that receive stormwater from your facility Unnamed intermittent stream; Unnamed Tributary of Fourmile Creek

Are any of your discharges directly into any segment of an "impaired" water? ☐ Yes ☒ No

If Yes, identify name of the impaired water (and segment, if applicable):

Identify the pollutant(s) causing the impairment:

For pollutants identified, which do you have reason to believe will be present in your discharge?

For pollutants identified, which have a completed TMDL?

Do you discharge into a receiving water designated as a Tier 2 (or Tier 2.5) water? ☐ Yes ☒ No

Are any of your stormwater discharges subject to effluent guidelines? ☐ Yes ☒ No

If Yes, which guidelines apply?

Primary SIC Code or 2-letter Activity Code: 4950
(refer to Appendix D of the U.S. EPA 2008 MSGP)

Identify your applicable sector and subsector:

1.2 Contact Information/Responsible Parties

Facility Operator (s):
Name: Dave Massey
Address: 7002 SE Delaware Ave
City, State, Zip Code: Ankeny, IA 50021
Telephone Number: (515) 964-5229
Email address: dave@ankenysanitation.com

SWPPP Contact:
Name: Dave Massey
Telephone number: (515)-964-5229
Email address: dave@ankenysanitation.com

1.3 Stormwater Pollution Prevention Team

Staff Names	Individual Responsibilities
Dave Massey	General Manager – ensure SWPPP compliance
Kent Katch	Safety Manager – Inspector

1.4 Activities at the Facility

Ankeny Sanitation, Inc. (ASI) is located along SE Delaware Ave Street, South of NE 66th Avenue/SE Corporate Woods Drive, in Ankeny, Iowa. Commercial facilities surround the location including a warehouse to the north, distribution center to the west, and manufacturing to the south. A retention pond is located on the Northeast corner of the site with a drainage area that runs from the Southwest to Northeast corners of the property.

ASI provides refuse collection services to the Ankeny and the Des Moines Metro area. This location is used to maintain their fleet vehicles as well as providing the citizens with a drop-off convenience center for refuse and yard waste. A site plan diagram is provided as Exhibit 2 Stormwater Pollution Prevention Plan (SWPPP). Stormwater onsite generally flows to one of two outfalls. The first outfall is 001 which outlets to the intermittent stream at the northeast corner of the property.

The main building on site is used as an office, maintenance, and wash-bay area. A large majority of the maintenance operations are conducted inside the main building and are not exposed to stormwater. However, outdoor activities at ASI include fueling with diesel fuel. The main building contains storage for cleaning chemicals for the wash bay, as well as oil and maintenance storage.

1.5 General Location Map

A copy of the general location map for this facility is located in Attachment A.

1.6 Site Map

The site map for this facility is located in Attachment B.

SECTION 2: POTENTIAL POLLUTANT SOURCES

2.1 Industrial Activity and Associated Pollutants

Industrial Activity	Associated Pollutants
Vehicle Fueling	Diesel
Appliance Drop-Off	Oil and Grease
Equipment Maintenance	Hydraulic Oil, Motor Oil, Anti-Freeze
Truck Wash	Soap

2.2 Spills and Leaks

Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
Diesel Fueling Station	Outfall 001
Truck Parking Lot	Outfall 001
Waste Oil Tank	Outfall 001

Description of Past Spills/Leaks

Date	Description	Outfalls
None	None	None

2.3 Non-Stormwater Discharges Documentation

- Date of evaluation: December 6, 2023

- Description of the evaluation criteria used: Visual evaluation
- List of the outfalls or onsite drainage points that were directly observed during the evaluation:
- Outfall 001 and 002
- Different types of non-stormwater discharge(s) and source locations: Diesel fuel station, used oil storage and wash bay
- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was re-routed to sanitary, or an NPDES permit application was submitted for an unauthorized cooling water discharge: A large majority of the maintenance operations are conducted inside the main building and are not exposed to stormwater. However, outdoor activities at ASI include fueling with diesel fuel. For the outdoor activities, spill kits are located on site and The main building contains storage for cleaning chemicals for the wash bay, as well as oil and maintenance storage.

2.4 Salt Storage

Not applicable.

2.5 Sampling Data Summary

None.

SECTION 3: STORMWATER CONTROL MEASURES

3.1 Minimize Exposure

Vehicle maintenance is conducted inside the building to minimize exposure to runoff. Vehicle fueling occurs on the southwest corner of the facility and has a spill control kit located nearby in case of spills. Leaks from the vehicle, both maintenance and refuse related, are soaked up and removed from the parking lot to minimize runoff. Citizen refuse dropped off on site are stored in roll-off dumpsters to provide containment in the area.

3.2 Good Housekeeping

Chemicals, oils, dry storage, and wastewater are appropriately contained. Oil spots discovered outside the building have Oil-Dri applied to them and are swept up once the oil has been absorbed.

3.3 Maintenance

Vehicle and equipment maintenance has is performed in the mechanics bays inside of ASI's main building as needed. Drivers refill regular maintenance fluids such as motor oil, antifreeze, and windshield fluid. This station is located within the mechanics bay of the building but can be moved outside when required.

3.4 Spill Prevention and Response

Oil storage within the facility has secondary containment. Minor spills from trucks have Oil-Dri applied and are swept up and disposed of once the spill has been absorbed.

3.5 Erosion and Sediment Controls

Facility grounds surrounding the building are either concrete or gravel. All trucks are parked in designated areas. All pervious areas have established vegetation.

3.6 Management of Runoff

A retention pond and drainage channel are located along the northeast side of the facility to capture runoff onsite. This channel connects via culvert to the channel that flows around the outside of the facility grounds as shown in Exhibit B.

3.7 Salt Storage Piles or Piles Containing Salt

Not applicable.

3.8 Sector-Specific Non-Numeric Effluent Limits

Not applicable.

3.9 Employee Training

Employees are trained on Best Management Practices during onboarding and during weekly meetings.

3.10 Non-Stormwater Discharges

Secondary containment for oil storage is the internal floor drain system as the oil is stored within ASI's indoor maintenance area. Best Management Practices (BMP) for diesel fueling are followed and additional cleanup for minor spills is provided by using Oil-Dri to absorb said spills.

3.11 Waste, Garbage and Floatable Debris

Garbage is contained within the facility and disposed in a dumpster on the West side of the facility. Waste from trash can washing and the truck washout process are contained within ASI's main building, before being collected and disposed of in the dumpster on site.

3.12 Dust Generation and Vehicle Tracking of Industrial Materials

The site is paved. Vehicle storage and work activities are performed on the pavement. The gravel area is only used for roll-off container storage. The site is also swept with mechanical sweeper as needed.

SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING

For each type of monitoring, your SWPPP must include a description of:

1. Sample Location(s). Describe where samples will be collected, including any determination that two or more outfalls are substantially identical. Not applicable.

2. Pollutant Parameters to be Sampled. Include a list of the pollutant parameters that will be sampled and the frequency of sampling for each parameter. Not applicable.

3. Monitoring Schedules. Include the schedule you will follow for monitoring your stormwater discharge, including where applicable any alternate monitoring periods to be used for facilities in climates with irregular stormwater runoff. Not applicable.

4. Numeric Limitations. List here any pollutant parameters subject to numeric limits (effluent limitations guidelines), and which outfalls are subject to such limits. Not applicable.

5. Procedures. Describe procedures you will follow for collecting samples, including responsible staff who will be involved, logistics for taking and handling samples, laboratory to be used, etc. Not applicable.

Note: It may be helpful to create a table with columns corresponding to # 1 - 5 above for each type of monitoring you are required to conduct.

Inactive and Unstaffed sites exception (if applicable)
If you are invoking the exception for inactive and unstaffed sites for benchmark monitoring, include information to support this claim.
Not Applicable

Substantially identical outfall exception (if applicable)
If you plan to use the substantially identical outfall exception for your benchmark monitoring and/or quarterly visual assessment requirements, include the following information here to substantiate your claim that these outfalls are substantially identical:

- Location of each of the substantially identical outfalls: Not Applicable
- Description of the general industrial activities conducted in the drainage area of each outfall: Not Applicable
- Description of the control measures implemented in the drainage area of each outfall: Not Applicable
- Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to stormwater discharges: Not Applicable
- An estimate of the runoff coefficient of the drainage areas (low=under 40%; medium=40 to 65%; high =above 65%): Not Applicable
- Why the outfalls are expected to discharge substantially identical effluents: Not Applicable

SECTION 5: INSPECTIONS

For the routine facility inspections and the comprehensive site inspections to be performed at your site, include a description of the following:

- The names of the person(s), or the positions of the person(s), responsible for inspection: Kent Katch
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular stormwater runoff discharges: Weekly, Monthly
- Specific areas of the facility to be inspected, including schedules for specific outfalls: Diesel fueling station, Truck Lot, Storage Yard, Citizen Drop-off Areas, and Maintenance Area Loading Area.

For the quarterly visual assessments to be performed at your site, include a description of the following:

- The names of the person(s), or the positions of the person(s), responsible for inspection: Kent Katch and Dave Massey
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular stormwater runoff discharges: Quarterly
- Specific areas of the facility to be inspected, including schedules for specific outfalls: Diesel fueling station, Truck Lot, Storage Yard, Citizen Drop-off Areas, Maintenance Area Loading Area, Roll-Off Dumpster storage area, and exterior and interior drains.

Inactive and Unstaffed sites exception (if applicable)
If you are invoking the exception for inactive and unstaffed sites for your routine facility inspections and quarterly visual assessments, include information to support this claim.
Not applicable.

SECTION 6: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS

6.1 Documentation Regarding Endangered Species.

There are no critical habitats in this location. Documentation is provided by the US Fish and Wildlife Service is in Appendix D.

6.2 Documentation Regarding Historic Properties

This section is not applicable. There are no historic properties at this facility.

6.3 Documentation Regarding NEPA Review (if applicable)

Not applicable.

SECTION 7: SWPPP CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name: Dave Massey Title: General Manager

Signature: _____ Date: _____

SECTION 7: SWPPP CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Name: Dave Massey Title: General Manager

Signature: Dave Massey Date: 1/8/24

SECTION 8: SWPPP MODIFICATIONS

Date	Name & Signature	Describe Modification(s)

SWPPP ATTACHMENTS

Attach the following documentation to the SWPPP:

Attachment A – General Location Map

Include a copy of your general location map in Attachment A.

Attachment B – Site Map

Include a copy of your site map(s) in Attachment B.

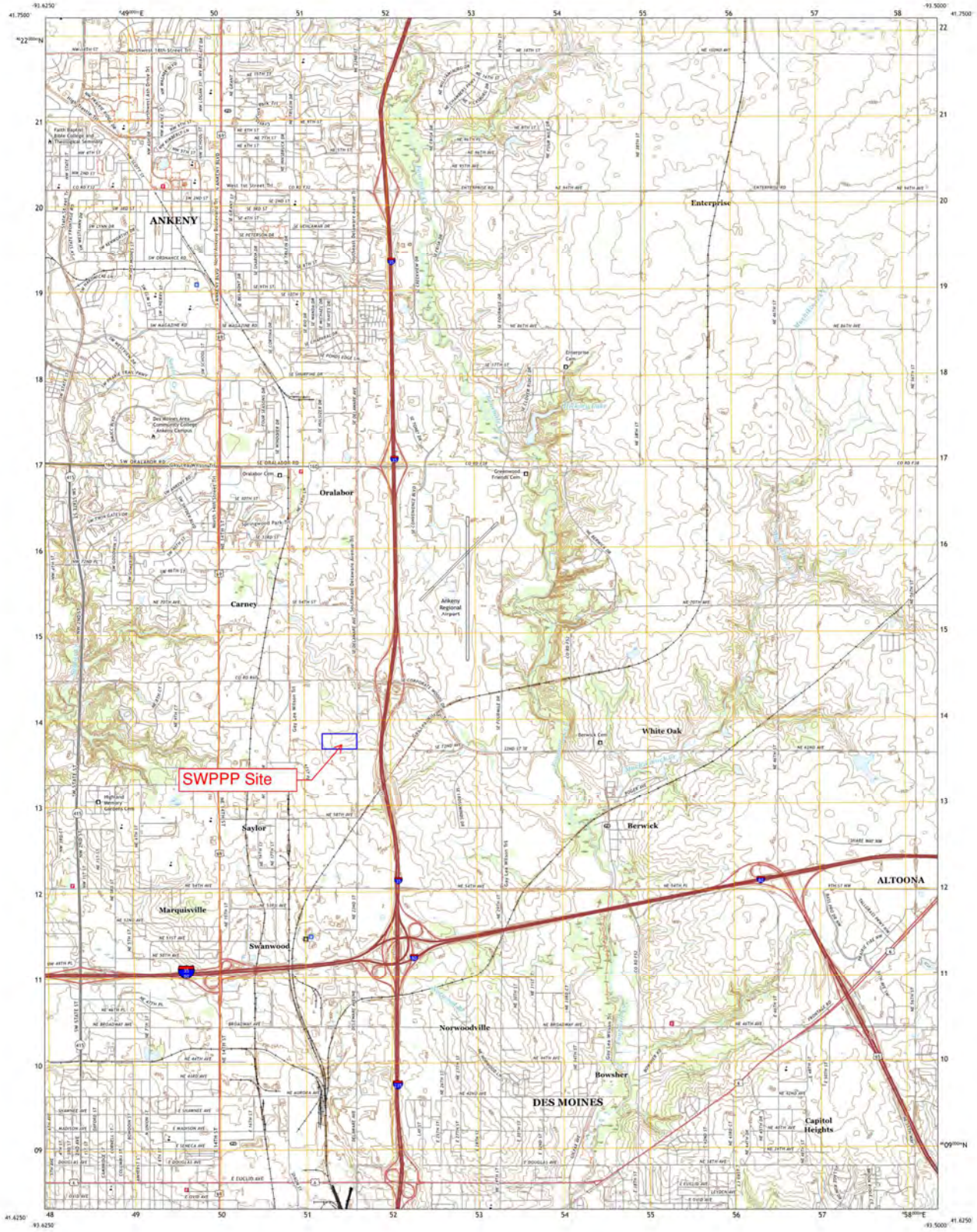
Attachment C – IDNR General Permit Number 1

USGS
science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

DES MOINES NE QUADRANGLE
IOWA - POLK COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 15T
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
reservations may not be shown. Obtain permission before
entering private lands.

Imagery ..... NAIP, July 2017 - October 2017
Roads ..... U.S. Census Bureau, 2018
Names ..... GNIS, 1977 - 2021
Hydrography ..... NHAP, 2005 - 2021
Contours ..... National Elevation Dataset, 1999
Boundaries ..... Various, 2016 - 2021
Transmission Lines ..... Multiple, 2020
Wetlands ..... Fish and Wildlife Service, 2020
Nonvisible Data ..... Not Available

SCALE 1:24 000

KILOMETERS
METERS
MILES
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced in conformance with the
National Geospatial Program US Topo Product Standard

ROAD CLASSIFICATION

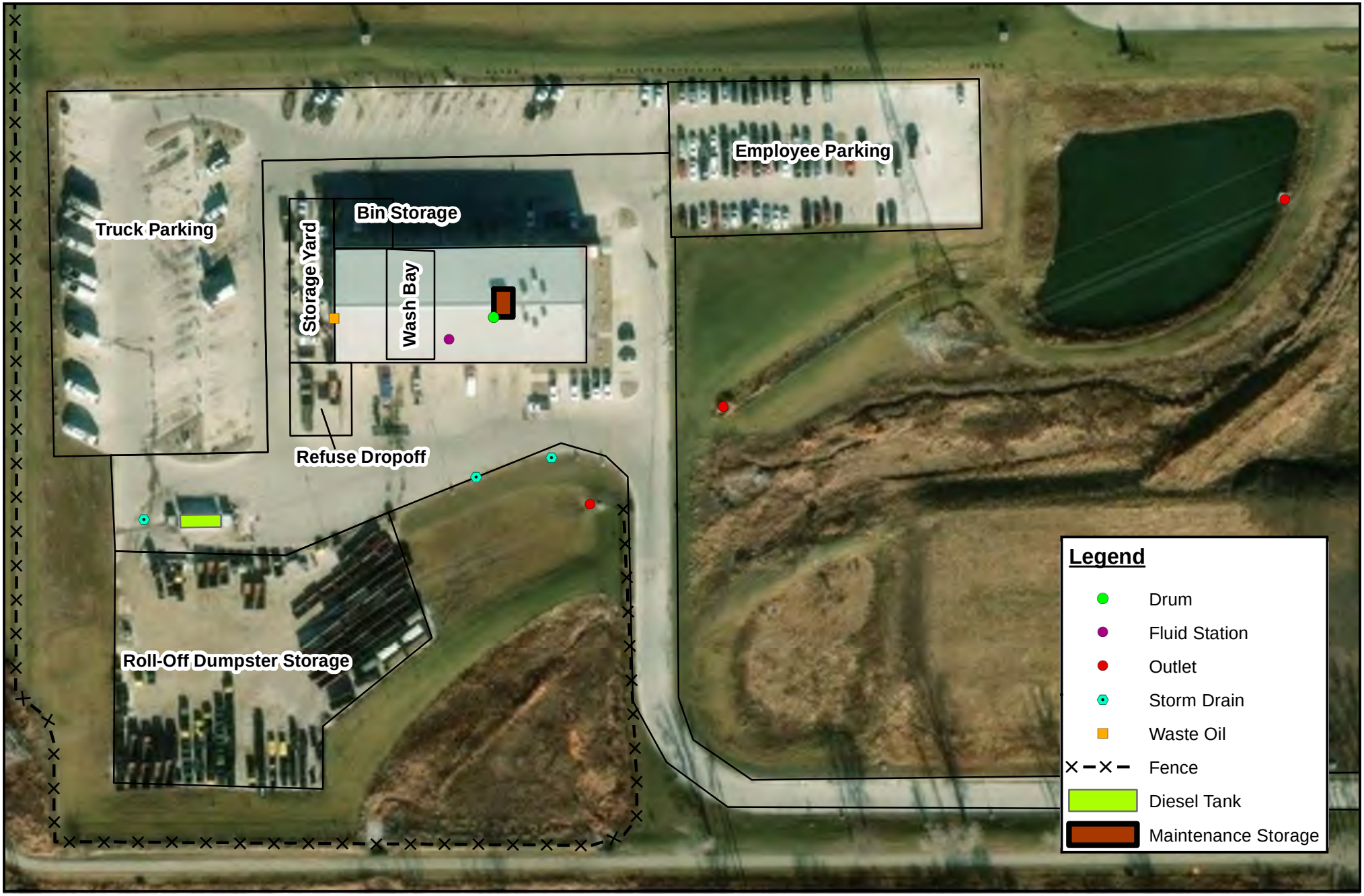
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

DES MOINES NE, IA
2022

NSN 7510163826216
NOA REF NO USGS X24K12025

FILE PATH: V:\Projects\2023\123.1212.01\GIS\SWPPP.mxd

SOURCES: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



SNYDER & ASSOCIATES

0 75 150

Feet

Appendix B - Ankeny Sanitation Site Plan

Ankeny Sanitation Inc. SWPPP | Ankeny, Iowa | 12/13/2023