Storm Water Pollution Prevention Plan (SWPPP)

Black Hawk County Landfill

AECOM Project No. 60699034

Prepared For:
Black Hawk County Landfill
1509 E. Washburn Road
Waterloo, Iowa 50701

Prepared By:
AECOM
501 Sycamore Street, Suite 222
Waterloo, Iowa 50703

October 2023

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TABLES

APPENDICES

SECTION 1
GENERAL FACILITY INFORMATION

NAME OF FACILITY:	Black Hawk County Landfill
LOCATION:	1509 E. Washburn Road Waterloo, IA 50701
COORDINATES:	X = 5,237,716 (IA State Plane) Y = 3,616,392
OWNER OF FACILITY:	Black Hawk County Solid Waste Management Commission 229 East Park Avenue Waterloo, IA 50703
FACILITY MANAGER: and CONTACT	Mr. John Foster Solid Waste Administrator (319) 234-8115
TYPE OF INDUSTRY:	Sanitary Landfill SIC Code - 4953
OPERATING SCHEDULE:	7:00 am to 4:00 pm M-F 8:00 am to 12:00 pm Saturday
RECEIVING WATER:	County Ditch to the Cedar River
IOWA DNR GENERAL PERMIT NO. 1 AUTHORIZATION NUMBER:	IA-0666-1062
DISCHARGE AUTHORIZATION DATE:	October 1, 1992
PERMIT EXPIRATION DATE:	October 1, 2027

SECTION 2
STORM WATER POLLUTION
PREVENTION PLAN (SWPPP)

Black Hawk County Landfill
Waterloo, IOWA

AECOM Project No. 60699034

I hereby certify that I have examined the facility and, being familiar with the provisions of Iowa DNR General Permit No. 1, attest that this Storm Water Pollution Prevention Plan has been prepared in accordance with good engineering practices.

Christopher G. Oelkers, P.E.
AECOM
501 Sycamore Street, Suite 222
Waterloo, Iowa 50703

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the state of Iowa.

10/26/2023
CHRISTOPHER G. OELKERS, P.E. Date

License No. 22053

My license renewal date is December 31, 2023.

Pages or sheets covered by this seal:
All Pages

SECTION 3
PLAN AVAILABILITY AND MANAGEMENT CERTIFICATIONS

PLAN AVAILABILITY

This Storm Water Pollution Prevention Plan (SWPPP) will be retained on-site at the Black Hawk County Landfill, 1509 East Washburn Road, Waterloo, Iowa, 50701, and it will be made available upon request to the following:

1. The Iowa Department of Natural Resources (Iowa DNR); or

2. In the case of a storm water discharge through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system.

MANAGEMENT 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."

Signature: John A. Foster Date: November 1, 2023

Mr. John Foster
Solid Waste Administrator

SECTION 4
PLAN AMENDMENTS

Black Hawk County Landfill will amend this Storm Water Pollution Prevention Plan in accordance with the following requirements:

1. Whenever there is a change in design, construction, operation, or maintenance of the facility which has a significant effect on the potential for discharge of pollutants to the waters of the United States and which has not otherwise been addressed in this plan; or

2. If the plan proves to be ineffective in achieving the general objectives of controlling pollutants in storm water discharges associated with industrial activity; or

3. The Iowa DNR notifies the facility that the plan does not meet one or more of the permit requirements

A record of all amendments or revisions made to this plan shall be maintained in Appendix A. Any changes to the plan will be recorded in this document within seven (7) calendar days. These records shall include, at a minimum, the date of amendment, detailed reason for amendment, detailed description of the amendment, and a plan for implementing the amendment.

SECTION 5
REGULATORY BACKGROUND

In 1972, the Federal Water Pollution Control Act (also referred to as the Clean Water Act [CWA]) was amended to provide that the discharge of pollutants to waters of the United States from any point source be prohibited, unless the discharge is in compliance with a National Pollutant Discharge Elimination System (NPDES) permit. In 1987, the CWA was amended to establish a comprehensive framework for addressing storm water discharges under the NPDES Program. On November 16, 1990, EPA published regulations which established application requirements for storm water permits. Industrial and commercial activities that are classified as having "storm water discharge associated with industrial activity" are required to obtain permit coverage. Most industrial activities are covered under General Permit No. 1 or by individual permits. Black Hawk County Landfill, 1509 E. Washburn Road, Waterloo, IA 50701, is classified as SIC Code 4953 Refuse Systems. This facility is, therefore, required to obtain a permit for its storm water discharges.

The State of Iowa DNR has been delegated the authority to administer the NPDES permit program. The Iowa DNR has elected to regulate most industrial storm water discharges under a single general permit. On October 1, 1992, permit coverage was issued to Black Hawk County Landfill, 1509 E. Washburn Road, Waterloo, IA 50701, (Authorization Discharge Number IA-0666-1062) effective from October 1, 1992, through October 1, 2027. A copy of the current authorization and General Permit No. 1 is provided in Appendix B.

SECTION 6
DESCRIPTION OF POTENTIAL POLLUTANT SOURCES

Black Hawk County Landfill is located at 1509 E. Washburn Road, Waterloo, IA 50701. The facility sits on a 308-acre site south of the city of Waterloo. The site is bordered by farmland. An aerial photograph of the area is shown in Appendix C, Figure C-1. A U.S.G.S. topographical map of the area is shown in Appendix C, Figure C-2.

6.1 SITE DRAINAGE

A site drainage map of the Black Hawk County Landfill is shown in Appendix C, Figure C-3. The figure shows the overall drainage area as well as the direction of flow for the site.

As shown on Figure C-3, there are approximately five overland flow paths to the county ditch. The entire site is drained by overland flow through a series of vegetated ditches and culverts.

6.2 INVENTORY OF EXPOSED MATERIALS

Following is a description of the industrial activities present which have the potential to add significant amounts of pollutants into the facilities storm water discharges. These activities are summarized in Table 6-1 and are shown on the site drainage plan provided in Appendix E, Figure E2.

TABLE 6-1
INVENTORY OF EXPOSED MATERIALS

Material	Location	Potential Pollutants
Equipment Storage	Shop	Oil and Lubricants
Petroleum Tanks and Fueling Station	Outside the Shop	Diesel Fuel and Gasoline
Waste Oil Burner and Used Oil Tank	Inside the Shop	Diesel Fuel
Solids Transport or Track Out	Landfill Roads	Contaminants from the Working Face
Leachate Control Systems	Leachate Force Mains and Gravity Sewers	MSW Leachate
Working Face	Active Cells	MSW Contaminants
Cover Drainage System	Areas A, C and E. Co-Disposal, Cells X and W-1, Asbestos Cell 1 and the Neutral Trench	MSW and Hazardous Waste Contaminants
Composting Stockpiles	Compost Pad	Organics
Small Loads Facility	Small Loads Facility	MSW Contaminants
Asbestos Cell No. 2	Active Working Face	Asbestos

1) Equipment Storage - The shop is where the landfill machinery is located overnight and where the maintenance is performed. Oils and lubricants are stored in the shop.

2) Petroleum Tanks and Fueling Station - The tanks are located outside the shop. There are two tanks that hold diesel fuel and gasoline for the landfill machinery. The diesel tank is located within a concrete containment area and the gas tank is double walled. Any spills or runoff waters in this area are pumped to the used oil tank.

3) Waste Oil Burner and Used Oil Tank - This equipment is located inside the shop. The 250-gallon waste oil burner is used to heat the shop. The 1,100-gallon used oil tank stores the used oil and lubricants from the machinery maintenance. Both of these tanks are located within manufactured metal containment apparatuses.

4) Solids Transport and Track Out - Landfill staff pick up waste from outside the waste boundary on a daily basis to prevent contamination. Also, the entrances and ramp accesses to the working faces are maintained with large rock to remove mud and waste from the waste transport vehicles. The paved roads are the final barrier to track out. The landfill staff routinely sweep these areas and deposit the sweepings onto the working face. Finally, the paved area discharges storm water runoff into the sedimentation basin prior to discharge.

5) Leachate Control Systems - All leachate pressure and gravity piping outside of lined areas are double contained.

6) Working Face - The working face is exposed only during daily operations. Daily cover is applied as the waste is filled and compacted and completely covered when the landfill is not in operation. The working face is contained by a permitted composite liner system.

7) Cover Drainage Systems - The final cover soils and erosion prevention BMPs are inspected by the engineer on a semi-annual basis. All erosion damage is repaired when notated in the inspection reports.

8) Composting Stockpiles - The organic matter that is delivered to the facility is inspected for contaminants prior to offloading. The storm water runoff from the compost pad is discharged to the sedimentation basin.

9) Small Loads Facility - The roll-off boxes in the Small Loads Facility are dumped on a daily basis at the end of the day.

10) Asbestos Cell No. 2 – The working face of the asbestos cell is only open when loads are on-site for offloading. Once the delivery is dumped, the waste is immediately covered. The asbestos cell working face is contained by a permitted composite liner system.

6.3 HISTORY OF SPILLS AND LEAKS

Part V.E.1 of the NPDES General Permit No. 1 requires a listing of significant spills and leaks of toxic or hazardous pollutants that have occurred at areas that are exposed to precipitation or that otherwise drain to a storm water conveyance within the last three years. According to the records for the Black Hawk County Landfill, no such instances of reportable spills have occurred in the last three years. If such events do occur, the locations of these should be located on the storm water site map in Appendix C and the appropriate information should be recorded in Appendix D.

6.4 SUMMARY OF SIGNIFICANT POTENTIAL POLLUTANT SOURCES

Based upon a review of the inventory of exposed materials (see Section 6.2), it was determined that the following areas have the most potential for contributing significant pollutant(s) to storm water discharges:

- Equipment Storage
- Petroleum Tanks and Fueling Station
- Waste Oil Burner and Used Oil Tank

SECTION 7
PLAN AMENDMENTS

7.1 EXISTING AND PLANNED CONTROL MEASURES

The Black Hawk County Landfill already has in-place or is implementing a number of area-wide storm water controls and management plans.

1) Vegetated Swales and Ditches - he majority of the storm water which falls onto the property is directed to approximately five vegetated overland flow paths. These flow paths are maintained to prevent erosion and transportation of sediment to the county ditch.

2) Spill Prevention and Countermeasure Plan - Black Hawk County has floor dry and petroleum absorbent clothes in the shop to deal with spills in the shop and at the fueling station. If there is a spill, the product will be soaked up by one of the materials mentioned and disposed of in the contaminated soil area of the active cell.

The following table summarizes the control measures and provides the minimum inspection requirements. The inspections for each of these controls will be conducted along with the periodic inspections discussed in Section 10.

TABLE 7-1
SUMMARY OF EXISTING/PLANNED CONTROL MEASURES

Area/Material	Existing Control Measures	Inspections
Equipment Storage	Enclosed Building – Limited Access	Minimum = Quarterly
Petroleum Tanks and Fueling Station	Concrete containment area with drainage directed to a closed outlet to remove spills.	Minimum = Quarterly
Waste Oil Burner and Used Oil Tank	Metal containment area with drainage directed to a closed outlet to remove spills.	Minimum = Quarterly
Solids Transport or Track Out	Landfill Roads	Contaminants From the Working Face
Leachate Control Systems	Leachate Force Mains and Gravity Sewers	MSW Leachate
Working Face	Active Cells	MSW Contaminants
Cover Drainage System	Areas A, C and E; Co-Disposal; Cells X and W-1; Asbestos Cell 1 and the Neutral Trench	MSW and Hazardous Waste Contaminants
Composting Stockpiles	Compost Pad	Organics
Small Loads Facility	Small Loads Facility	MSW Contaminants
Asbestos Cell No. 2	Active Working Face	Asbestos

7.2 GOOD HOUSEKEEPING

The Black Hawk County Landfill intends to continue practicing good housekeeping in those areas where significant potential exists for material contact with storm water. These areas include all areas listed in Table 7.1.

Inspections will be made of these areas to assure that these areas are maintained in a clean and orderly manner. The need to practice good housekeeping in these areas will be incorporated into appropriate employee training programs.

7.3 PREVENTIVE MAINTENANCE

As described in Section 7.1, the Black Hawk County Landfill has a series of vegetated culverts, swales, and ditches which require periodic inspection and/or maintenance.

These features will be inspected, at a minimum, on a quarterly basis for blockages and erosion.

Copies of the inspection sheets for the Storm Water Pollution Prevention Plan are provided in Appendix F.

7.4 PERIODIC INSPECTIONS

The Pollution Prevention Coordinator will be responsible for selecting team members to perform regularly scheduled inspections of all potential pollutant sources identified in Table 7-1. Inspections on all pollutant sources identified will be done at a minimum on a quarterly basis. All team members will be properly trained in inspection procedures. All inspections will be documented with a Periodic Inspection Record Sheet and recorded in Appendix F of the SWPPP. These sheets will identify the date of the inspection, the person(s) conducting the inspection, areas inspected, problems or deficiencies found, and appropriate corrective actions. The Pollution Prevention Coordinator will retain the completed Periodic Inspection Record Sheets as part of this plan. Example copies of these record sheets are provided in Appendix F.

7.5 EMPLOYEE TRAINING

The members of the Pollution Prevention Team shall be familiar with the contents of this plan. Employees shall be trained at the time of hire, if appropriate; and annual reviews on the procedures identified in this plan shall be conducted thereafter. All aspects of this and any associated documents will be reviewed during these training sessions.

Records from the training sessions will be retained by the Pollution Prevention Coordinator and will include the data of the training session, leader of the training session, attendees' names, and a brief description of the topics covered.

As situations change and the plan is updated, the employees shall be informed of the modifications to the plan by means of such training sessions.

7.6 RECORDKEEPING AND REPORTING

The Pollution Prevention Coordinator will retain a copy of all Periodic Inspection Report Sheets, Preventive Maintenance Report Sheets, Spill Reports, and Annual Site Compliance Evaluations. All toxic or hazardous spills will be reported to the proper local, state, and federal authorities.

7.7 NON-STORM WATER DISCHARGES

Field investigations were conducted in September 2017 during dry weather and no non-storm water connections were found or in evidence at the system outfalls at that time.

7.8 SEDIMENT AND EROSION CONTROL

The majority of the land surface is grassed which helps prevent a majority of the on-site erosion. Sediments, however, can still be deposited through other methods such as equipment tracking and snow melt runoff.

There is a large volume of equipment (tractors, trucks, etc.) traffic which can cause sediment to be tracked to numerous areas on-site. Some preventative measures to reduce sediment transport from equipment traffic are described below.

1) Require equipment operators to travel on designated paths only (i.e., roads, driveways, parking areas).

2) Maintain gravel roads/gravel parking areas:

- Routine grading to reshape gravel that has been displaced through normal traffic flow, snow plowing, heavy rains, etc.
- Supply additional gravel to areas when needed to maintain a uniform layer of gravel, free of bare spots and vegetation.
- Temporarily protect storm sewer inlets, as needed.

Trash and debris usually accumulate in snow piles during snow plowing operations. Therefore, potential pollution accumulation may occur over the winter months for rapid release in the spring. Below is a list of measures that can be taken to prevent pollutant transport through snow melt activities.

1) Snow pile storage locations should be flat and well-drained in order to avoid direct drainage into surface waters.

2) Avoid placing snow piles in areas subject to concentrated flows during melting conditions.

3) During spring melt conditions, visually observe the snow piles and remove any debris or trash that may be contained within the snow.

7.9 MANAGEMENT OF RUNOFF

The Black Hawk County Landfill already employs several traditional storm water management practices to control and manage the quality and quantity of storm water runoff. All the storm water runoff is directed through a series of culverts and vegetated swales and ditches.

7.10 FACILITY SECURITY

The entire facility is bounded by fencing. All traffic enters the facility through the main gate and is directed to the scale facility. This gate is locked when the facility is closed. The location of the facility is such that normal pedestrian traffic is not a factor.

SECTION 8
ANNUAL SITE COMPLIANCE EVALUATION

In addition to the periodic inspections discussed in Section 7, an annual comprehensive site evaluation will be conducted in order to assure that all components of this plan remain current and accurate. The inspection will be conducted by the Pollution Prevention Coordinator identified in Section 9. This inspection will, at a minimum, cover the following activities:

- Review of site drainage map to verify accuracy.
- Inspection of each potential pollutant source identified in Section 6 to assure that appropriate measures and controls are being followed.
- Identification of additional pollutant sources which are new and are not addressed in the plan.

The results of this site evaluation in conjunction with storm water monitoring data will be evaluated to determine the effectiveness of the plan. Where revisions or modifications to the plan are deemed necessary, they will be incorporated into the plan within two weeks of the inspection. These changes will be implemented as soon as possible, but not later than 12 weeks from the inspection.

A report summarizing the results of the inspection and any necessary follow-up actions will be prepared. A copy of this report will be included in Appendix G. When this report concludes that the facility is in compliance with the plan requirements, a certification to this effect will be included with the report.

SECTION 9
POLLUTION PREVENTION TEAM

The Black Hawk County Landfill, members of the Pollution Prevention Team communicate informally on a periodic basis to discuss issues related to storm water management.

Following is a listing of the team members and their specific responsibilities with respect to this plan.

NAMES	RESPONSIBILITY
John Foster	SWPPP Coordinator
John Foster	Inspector
Chris Oelkers	Inspector

In accordance with the Storm Water Pollution Prevention Plan, all members will be responsible for notifying the SWPP Coordinator of any changes in design, construction, operation, or maintenance of the facility, which has a significant effect on the potential for discharge of pollutants to the waters of the United States.

SECTION 10
STORM WATER MONITORING PLAN

According to Part V.B.3.b of the NPDES General Permit No. 1, the Black Hawk County Landfill storm water sampling shall be conducted on an annual basis. This monitoring plan was prepared to comply with the monitoring requirements found in Part V.B.3.a of the NPDES General Permit No. 1.

POLLUTANTS TO BE SAMPLED

At a minimum, this part requires annual monitoring for the following pollutants:

Table 10-1 - SWPPP Paramters for Storm Water

Pollutant	2021 MSGP Benchmark	RCRA Subtitle C		RCRA Subtitle D		Units
		Maximum Daily	Maximum Monthly	Maximum Daily	Maximum Monthly	
Total Aluminum	1,100	--	--	--	--	µg/L
Total Antimony	640	--	--	--	--	µg/L
Total Arsenic	150	1,100	540	--	--	µg/L
Total Barium[1]	NS	--	--	--	--	µg/L
Total Beryllium	130	--	--	--	--	µg/L
Total Cadmium	1.8	--	--	--	--	µg/L
Total Chromium[1]	16	1,100	460	--	--	µg/L
Total Copper	5.19	--	--	--	--	µg/L
Total Cyanide	22	--	--	--	--	µg/L
Total Iron	NS	--	--	--	--	µg/L
Total Lead	82	--	--	--	--	µg/L
Total Mercury	1.4	--	--	--	--	µg/L
Total Magnesium	NS	--	--	--	--	µg/L
Dissolved Magnesium	NS	--	--	--	--	µg/L
Total Nickel	470	--	--	--	--	µg/L
Total Selenium	1.5 µg/L for still/standing waters; 3.1 µg/L for flowing waters	--	--	--	--	µg/L
Total Silver	3.2	--	--	--	--	µg/L
Total Sodium[1]	NS	--	--	--	--	µg/L
Total Zinc	120	535	296	200	110	µg/L
Ammonia (as N)	2.14	10	4.9	10	4.9	mg/L
Biochemical Oxygen Demand (BOD) (5-day)	30	220	56	140	37	mg/L
Chemical Oxygen Demand (COD)	120	--	--	--	--	mg/L
Nitrate and Nitrite Nitrogen	0.68	--	--	--	--	mg/L
pH	6.0 - 9.0	6.0 - 9.0	6.0 - 9.0	6.0 - 9.0	6.0 - 9.0	s.u.
Total Phosphorus	2	--	--	--	--	mg/L
Total Dissolved Solids (TDS)[1]	NS	--	--	--	--	mg/L
Total Suspended Solids (TSS)	100	88	27	88	27	mg/L
Total Organic Carbon (TOC)[1]	NS	--	--	--	--	mg/L
Total Hardness (as CaCO3)	NS	--	--	--	--	mg/L
Alkalinity	20,000	--	--	--	--	µg/L
Bicarbonate[1]	NS	--	--	--	--	µg/L
Calcium[1]	NS	--	--	--	--	µg/L
Chloride[1]	629	--	--	--	--	µg/L
Potassium[1]	NS	--	--	--	--	µg/L
Sulfate[1]	500	--	--	--	--	mg/L
Turbidity	50	--	--	--	--	NTU
Oil and Grease[1]	NS	--	--	--	--	mg/L
a-Terpineol[2]	NS	42	19	33	16	µg/L
Aniline[2]	NS	24	15	--	--	µg/L
Benzoic Acid[2]	NS	119	73	120	71	µg/L
Naphthalene[2]	NS	59	22	--	--	µg/L
p-Cresol[2]	NS	24	15	25	14	µg/L
Phenol[2]	NS	48	29	26	15	µg/L
Pyridine[2]	NS	72	25	--	--	µg/L

Notes:

[1] – IDNR NPDES Parameters

[2] - EPA Parameters; 40 CFR 445 Supart A - RCRA Subtitle C Hazardous Waste Landfill; 40 CFR 445 Subpart B - RCRA Subtitle D Non-Hazardous Waste Landfill

-- = no rstablished effluent limitations

NS = no benchmark standard

STORM PARAMETERS TO BE RECORDED

Part V.B.3.a. of the general permit also requires the following storm parameters to be recorded and reported:

- Date of storm event.
- Duration of storm event (in hours).
- Total precipitation (in inches).
- Time duration since last measurable storm event (greater than 0.1-inch rainfall).
- Total flow volume (in gallons).

SAMPLE LOCATION

Four sample locations are shown on Figure C-3 located in Appendix C.

TABLE 10-2
SWPPP SURFACE WATER MONITORING POINTS
BLACK HAWK COUNTY LANDFILL

Monitoring Point	Location	Area Monitored
SW-1	Culvert northwest of Cell W3, Discharges Toward Hawkeye Regional Transportation Training Center	Cell W3
SW-2	Culvert at intersection of Hess Road and E. Washburn Road Near Well OW-115B; Southeast Corner of Co-Disposal Area	Area A, Co-Disposal Area
SW-3	Culvert on Hess Road Near Well OW-115B; Southeast Corner of Co-Disposal Area	Area C, Area E, Cell X, Cell W1, Cell W3, Neutral Trench, Asbestos Cells 1 and 2, Co-Disposal Area
SW-4	Culvert on Hammond Avenue West of Cells W1/W2	Cells W1/W2/W3

SAMPLE TYPE AND FREQUENCY

As per Part V.B.13. of the permit, a grab sample shall be taken during the first hour of discharge from SW-1, SW-2, SW-3, and SW-4. Also, a composite sample shall be taken at each monitoring point. These composite samples will be composed of three (3) samples taken over time during for the first 3 hours of discharge. Each hour a sample will be taken from SW-1, SW-2, SW-3, and SW-4. The three (3) samples taken from SW-1 will be combined into one sample, and the same for SW-2, SW-3, and SW-4.

In sum, there will be one grab sample submitted for SW-1, SW-2, SW-3, and SW-4 and one composite sample will be submitted for SW-1, SW-2, SW-3 and SW-4.

Samples must be collected at least once per year.

STORM EVENT

Based upon information contained in the EPA's Storm Water Sampling Guidance Document, the average storm event for Iowa is as follows:

Duration = 9.5 hours
Intensity = .087 inch/hour
Volume = .55 inch

The general permit requires that the storm event being sampled must be greater than 0.1 inch in magnitude and that at least 72 hours have elapsed since the previous measurable storm event. A rain gauge will be installed at the Landfill to record storm event volumes.

CALCULATION OF ESTIMATED FLOW VOLUME

Based upon the site drainage plan, it is estimated that approximately 13,400,000 square feet of surface area ultimately drains to the outfall locations. This square footage is comprised of grassy areas and gravel surfaces. By applying appropriate runoff coefficients to these different areas, the total square footage is reduced to an effective 6,700,000 square feet.

Surface	Square Feet	Runoff Coefficient	Effective Sq. Feet
Grass	13,400,000	0.5	6,700,000

Based upon this area and the total rainfall amount, the estimated storm water discharge volume can be calculated by the following formula:

$V = (6{,}700{,}000)\ (R/12)\ (7.48)$ or $V = (3{,}147{,}833)(R)$

Where:

V	=	total storm water discharge volume in gallons
6,700,000	=	effective square footage of area drained
R	=	total rainfall in feet
7.48	=	gallons per cubic foot

APPENDIX A

RECORD OF PLAN AMENDMENTS

BLACK HAWK COUNTY LANDFILL
STORM WATER POLLUTION PREVENTION PLAN

PLAN AMENDMENT CHECKLIST

All amendments to this Storm Water Pollution Prevention Plan shall be recorded and maintained in Appendix A and shall include a minimum of the following information detailing the plan amendment.

Date:	
Reason for Amendment:	
Description of Amendment:	
Plan for Implementing Amendment:	

APPENDIX B

AUTHORIZATION TO DISCHARGE / GENERAL PERMIT NO. 1

DEPARTMENT OF NATURAL RESOURCES
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
NOTICE OF GENERAL PERMIT COVERAGE UNDER
GENERAL PERMIT NO. 1

STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY

This notice of general permit coverage for a storm water discharge associated with industrial activity is issued pursuant to the authority of section 402 (b) of the Clean Water Act (U.S.C. 1342(b)), Iowa Code 455B.174, and subrule 567--64.4(2), Iowa Administrative Code. A Notice of Intent has been filed with the Iowa Department of Natural Resources that this storm water discharge complies with the terms and conditions of NPDES General Permit No. 1. Authorization is hereby issued to discharge storm water associated with industrial activity as defined in Part VIII of the Iowa Department of Natural Resources NPDES General Permit No. 1 in accordance with the terms and conditions set forth in the permit.

Owner:

BLACK HAWK COUNTY SOLID WASTE MGMT
PO BOX 208
WATERLOO IA 50704
(319)234-8115

Contact:

BRETT VETTE
BLACK HAWK COUNTY SOLID WASTE MGMT COMM.
PO BOX 208
WATERLOO IA 50704
(319)234-8115

Permit Coverage Issued To:

BLACK HAWK COUNTY SANITARY LANDFILL
1509 E. WASHBURN RD.
in WATERLOO, BLACK HAWK COUNTY
located at

1/4 Section	Section	Township	Range
SE	23	88N	13W

Coverage Provided Through: **10/1/2027**

Standard Industrial Classification Code: **4953**

NPDES Permit Discharge Authorization Number: **0666 - 1062**

Discharge Authorization Date: **10/1/1992**

APPENDIX C

FIGURES

VERIFY SCALE IF PLAN SHEET IS REDUCED

REV	DESCRIPTION	DRN	CHK	DATE
	2023 SWPPP UPDATE			04/26/23

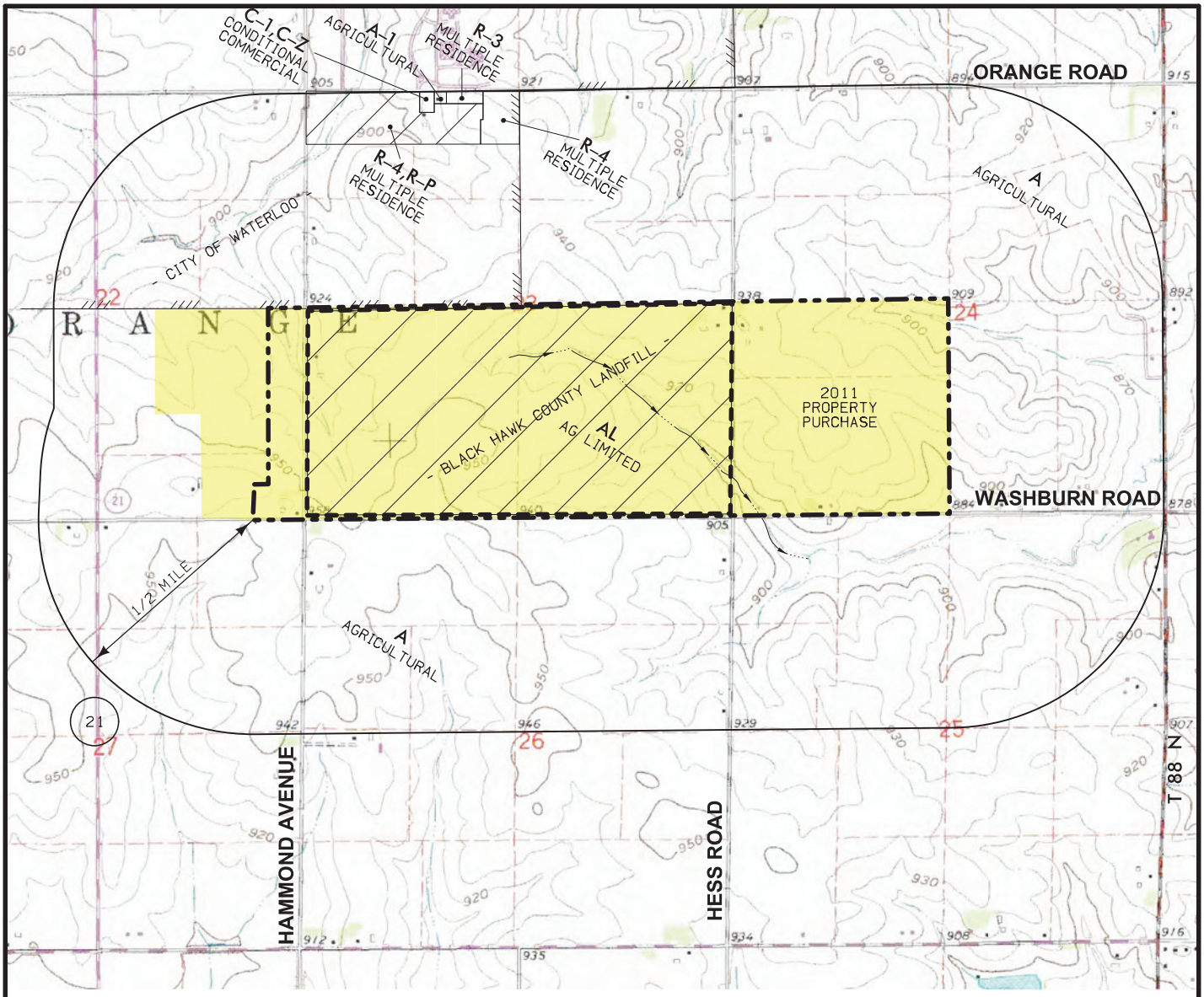
DRN / DES / CHK / APP

AECOM
501 Sycamore Street, Suite 222
Waterloo, Iowa 50704-1497
T 319.232.6531 F 319.232.0271
WWW.AECOM.COM

CONSTRUCTION DRAWINGS
SWPPP
BLACK HAWK COUNTY LANDFILL

SITE MAP

DATE: APRIL 2023
PROJECT NO: 60699034
FILENAME: BHCL-SWPPP.Sht
SHEET NO:
DRAWING NO:
FIG C-1



R 13 W

LEGEND

- A — AGRICULTURAL — ZONING DESIGNATION
- 21 — STATE ROUTE
- MEDIUM DUTY ROAD
- LIGHT DUTY ROAD
- 1/2 MILE RADIUS AROUND LANDFILL
- LANDFILL PROPERTY BOUNDARIES
- LANDFILL PERMITTED AREA
- DRAINAGEWAY
- CORPORATE LIMITS

SOURCE: U.S.G.S TOPOGRAPHIC MAP, 1963
PHOTO REVISED 1972.

N

0′ 1000′ 2000′
SCALE

PREPARED BY:

AECOM

501 SYCAMORE STREET SUITE 222 WATERLOO, IA. 50703-4644 1-319-232-6531

FIGURE C-2
U.S.G.S. TOPGRAPHICAL MAP
SWPPP

BLACK HAWK COUNTY LANDFILL
WATERLOO, IOWA

APR 2023

60699034

Plotted: 4/27/2023, 9:28:55 AM
Design File L:\DCS\Projects\TRN\60699034_2023_BH_SWMC_Eng_Services\900_CAD_GIS\11-SWPPP\Figure C-2.Dsn, Model Figure 01
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Waterloo, Iowa

Waterloo, Iowa
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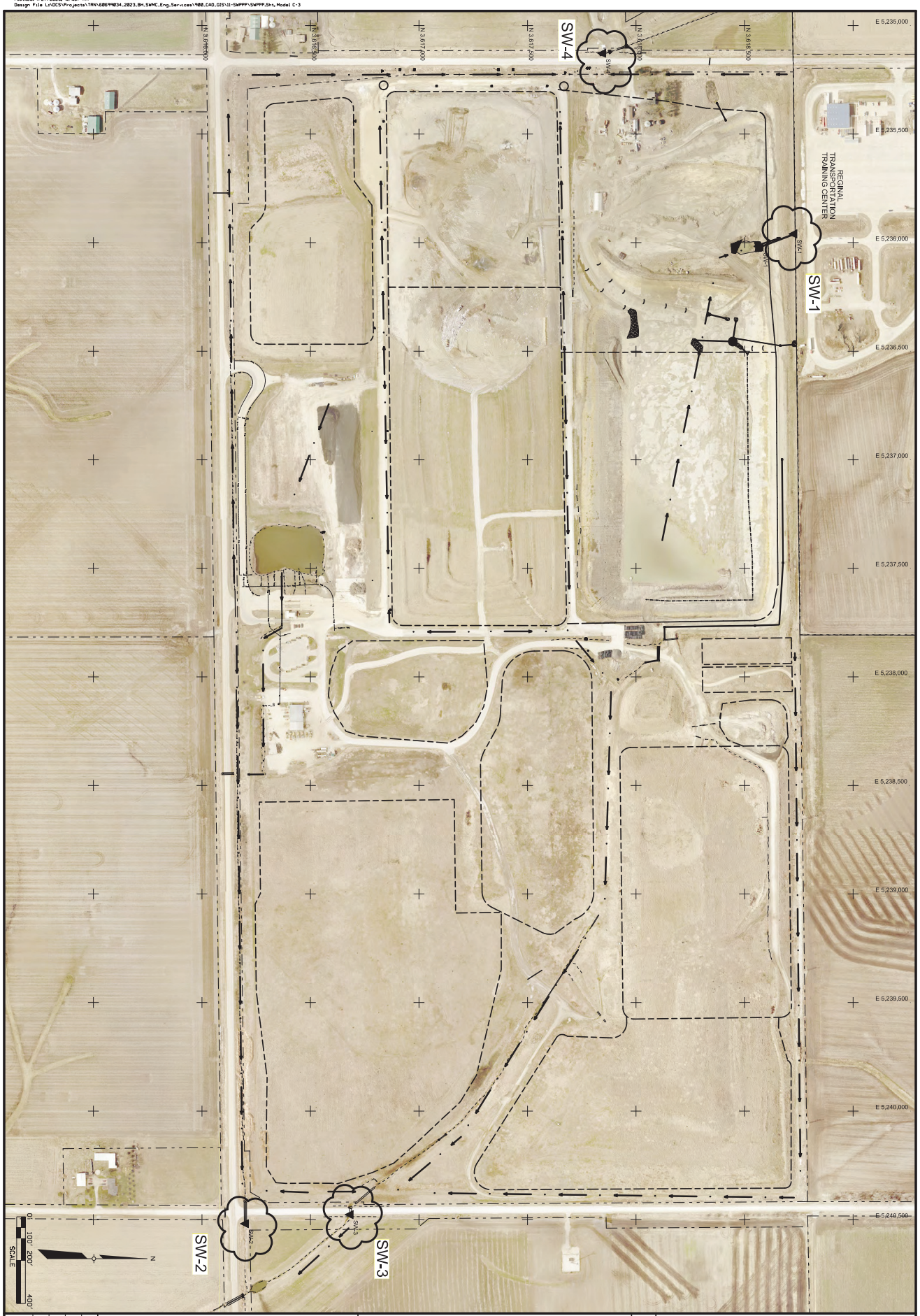

CONSTRUCTION DRAWINGS
SWPPP
BLACK HAWK COUNTY LANDFILL

STORM WATER SITE MAP

FIG C-3

DRAWING NO	SHEET NO	FILENAME	PROJECT NO	DATE
		BHCL-SWPPP.Sht	606940034	APRIL 2023

AECOM
501 Sycamore Street, Suite 222
Waterloo, Iowa 50704-1497
T 319.232.6531 F 319.232.0271
WWW.AECOM.COM

DRN	1-INCH — VERIFY SCALE IF PLAN SHEET IS REDUCED			
DES				
CHK				
APP	SWPPP UPDATE			04/12/18
	2023 SWPPP UPDATE			04/26/23
REV	DESCRIPTION	DRN	CHK	DATE

APPENDIX D

RECORD OF SPILLS AND LEAKS

Black Hawk County Landfill
Storm Water Pollution Prevention Plan
Spill and Leak Report

Date of Occurrence: _____

Discovered by Whom: _____

Location: _____

Material Type & Volume: _____

_____

_____

Cause of Spill: _____

_____

_____

_____

Corrective Action Taken: _____

_____

_____

_____

_____

_____

Agencies/Persons Contacted: _____

_____

_____

_____

Signature

APPENDIX E

STORM WATER MONITORING DATA

Black Hawk County Landfill
SWPPP Results
Monitoring Location SW-1

Parameter Name	Units	2015 MSGP	09/09/20		03/22/22	
Sample Type			Grab	Composite	Grab	Composite
Metals						
Arsenic	mg/L	0.15	***0.00222***	***0.00194 J***	***0.000923 J***	***0.000792 J***
Barium	mg/L	#N/A	***0.0569***	***0.0535***	***0.0444***	***0.0458***
Cadmium	mg/L	0.0021	***0.000068 J***	***0.0000560 J***	***0.000057 J***	<0.000055
Calcium	mg/L	#N/A	***70.1***	***66***	***132***	***129***
Chromium	mg/L	#N/A	***0.00656***	***0.00541***	<0.0011	<0.0011
Iron	mg/L	1	***5.04***	***4.33***	***0.4***	***0.439***
Lead	mg/L	0.082	***0.00232***	***0.00202***	***0.000611***	***0.000748***
Magnesium	mg/L	0.064	***12.7***	***12.1***	***25.3***	***24.4***
Magnesium, Dissolved	mg/L	#N/A	***12.3***	***10.1***	***26.5***	***26.9***
Mercury	mg/L	0.0014	<0.000100	<0.000100	<0.00011	<0.00011
Potassium	mg/L	#N/A	***4.54***	***4.24***	***6.66***	***7.47***
Selenium	mg/L	0.005	***0.00387 J***	***0.00352 J***	***0.00417 J***	***0.00291 J***
Silver	mg/L	0.0038	<0.000370	<0.000370	***0.000557 J***	<0.00049
Sodium	mg/L	#N/A	***2.16***	***2.07***	***5.06***	***4.84***
Nonmetallic Inorganics						
Ammonia (as N)	mg/L	2.14	***0.201 J***	<0.200	<0.22	<0.22
Chemical Oxygen Demand	mg/L	120	***44.5***	***47.8***	<24	***43.6***
Chloride	mg/L	#N/A	***3.03 J***	***3.53 J***	***8.25***	***8.73***
Cyanide	mg/L	0.022	<0.00500	#N/A	<0.0043	#N/A
Nitrate Nitrite as N	mg/L	0.68	***0.375***	***0.389***	***0.795***	***0.786***
Sulfate	mg/L	#N/A	***173***	***173***	***317***	***337***
Organics						
HEM (Oil and Grease)	mg/L	#N/A	<4.2	#N/A	***4.6 J***	#N/A
TOC Dup	mg/L	#N/A	***3.45***	***2.91***	***7.9***	***7.75***
Other Chemical Properties						
Bicarbonate Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	***78.4***	***118***
Carbonate Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
Hydroxide Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
pH	SU	6.0 - 9.0	***7.9***	#N/A	***7.9***	***7.9***
Phenolphthalein Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
Total Alkalinity as CaCO3	mg/L	#N/A	***34.5***	***34.5***	***78.4***	***118***
Total Dissolved Solids	mg/L	#N/A	***366***	***366***	***546***	***540***

Detections at or above the RL are shown in bold italics on gray background.

Detections greater than the MDL but less than the RL are shown in bold italics on white background with a J.

Black Hawk County Landfill
SWPPP Results
Monitoring Location SW-2

Parameter Name	Units	2015 MSGP	09/09/20		03/22/22	
Sample Type			Grab	Composite	Grab	Composite
Metals						
Arsenic	mg/L	0.15	***0.00138 J***	***0.00132 J***	***0.000822 J***	<0.00075
Barium	mg/L	#N/A	***0.0805***	***0.0779***	***0.126***	***0.122***
Cadmium	mg/L	0.0021	<0.0000490	<0.0000490	<0.000055	<0.000055
Calcium	mg/L	#N/A	***62.4***	***59.6***	***116***	***114***
Chromium	mg/L	#N/A	<0.00110	<0.00110	***0.00314 J***	***0.00156 J***
Iron	mg/L	1	***0.357***	***0.372***	***1.18***	***0.47***
Lead	mg/L	0.082	***0.000277 J***	***0.000285 J***	***0.00196***	***0.00135***
Magnesium	mg/L	0.064	***16.5***	***15.8***	***27.1***	***26.8***
Magnesium, Dissolved	mg/L	NS	***14.6***	***16***	***29.6***	***29***
Mercury	mg/L	0.0014	<0.000100	<0.000100	<0.00011	<0.00011
Potassium	mg/L	#N/A	***12.7***	***12***	***8.23***	***8.04***
Selenium	mg/L	0.005	<0.00100	<0.00100	***0.00105 J***	***0.00116 J***
Silver	mg/L	0.0038	<0.000370	<0.000370	<0.00049	<0.00049
Sodium	mg/L	#N/A	***21.8***	***20.9***	***51.7***	***50.8***
Nonmetallic Inorganics						
Ammonia (as N)	mg/L	2.14	<0.200	<0.200	***0.462 J***	<0.22
Chemical Oxygen Demand	mg/L	120	***76.5***	***61.9***	<24	***34.8***
Chloride	mg/L	#N/A	***35.1***	***34.5***	***114***	***114***
Cyanide	mg/L	0.022	<0.00500	#N/A	<0.0043	#N/A
Nitrate Nitrite as N	mg/L	0.68	***0.473***	***0.478***	***2.2***	***2.17***
Sulfate	mg/L	#N/A	***46.8***	***46.7***	***108***	***104***
Organics						
HEM (Oil and Grease)	mg/L	#N/A	<4.2	#N/A	<4.7	#N/A
TOC Dup	mg/L	#N/A	***12.6***	***12***	***8.16***	***8.15***
Other Chemical Properties						
Bicarbonate Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	***245***	***284***
Carbonate Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
Hydroxide Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
pH	SU	6.0 - 9.0	***8.1***	#N/A	***7.8***	***7.8***
Phenolphthalein Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
Total Alkalinity as CaCO3	mg/L	NS	***158***	***158***	***245***	***284***
Total Dissolved Solids	mg/L	NS	***306***	***324***	***548***	***510***

Detections at or above the RL are shown in bold italics on gray background.

Detections greater than the MDL but less than the RL are shown in bold italics on white background with a J.

Black Hawk County Landfill
SWPPP Results
Monitoring Location SW-3

Parameter Name	Units	2015 MSGP	09/09/20		03/22/22	
Sample Type			Grab	Composite	Grab	Composite
Metals						
Arsenic	mg/L	0.15	<0.000880	<0.000880	***0.00204***	***0.00116 J***
Barium	mg/L	#N/A	***0.0645***	***0.0654***	***0.102***	***0.0815***
Cadmium	mg/L	0.0021	<0.0000490	***0.000079 J***	***0.000076 J***	<0.000055
Calcium	mg/L	#N/A	***143***	***145***	***146***	***208***
Chromium	mg/L	#N/A	***0.0012 J***	***0.00124 J***	***0.00201 J***	<0.0011
Iron	mg/L	1	***0.885***	***0.835***	***1.91***	***0.519***
Lead	mg/L	0.082	***0.000526***	***0.000464 J***	***0.00146***	***0.000394 J***
Magnesium	mg/L	0.064	***28***	***27.9***	***30.2***	***45.7***
Magnesium, Dissolved	mg/L	#N/A	***28.1***	***28.8***	***31.4***	***49.8***
Mercury	mg/L	0.0014	<0.000100	<0.000100	<0.00011	<0.00011
Potassium	mg/L	#N/A	***5.78***	***5.75***	***18***	***11***
Selenium	mg/L	0.005	***0.00119 J***	***0.00126 J***	***0.000997 J***	***0.001 J***
Silver	mg/L	0.0038	<0.000370	<0.000370	***0.000556 J***	<0.00049
Sodium	mg/L	#N/A	***18.8***	***18.8***	***6.98***	***22.6***
Nonmetallic Inorganics						
Ammonia (as N)	mg/L	2.14	<0.200	<0.200	***0.276 J***	***0.922***
Chemical Oxygen Demand	mg/L	120	***69.7***	<24.0	<24	<24
Chloride	mg/L	#N/A	***32.7***	***33.2***	***11.2***	***35.3***
Cyanide	mg/L	0.022	<0.00500	#N/A	<0.0043	#N/A
Nitrate Nitrite as N	mg/L	0.68	***1.36***	***1.46***	***0.861***	***2.53***
Sulfate	mg/L	#N/A	***278***	***283***	***206***	***358***
Organics						
HEM (Oil and Grease)	mg/L	#N/A	<4.5	#N/A	<4.5	#N/A
TOC Dup	mg/L	#N/A	***7.77***	***7.57***	***14.9***	***11.3***
Other Chemical Properties						
Bicarbonate Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	***294***	***392***
Carbonate Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
Hydroxide Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
pH	SU	6.0 - 9.0	***7.9***	#N/A	***7.7***	***7.6***
Phenolphthalein Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
Total Alkalinity as CaCO3	mg/L	#N/A	***158***	***168***	***294***	***392***
Total Dissolved Solids	mg/L	#N/A	#N/A	***684***	***574***	***868***

Detections at or above the RL are shown in bold italics on gray background.

Detections greater than the MDL but less than the RL are shown in bold italics on white background with a J.

Black Hawk County Landfill
SWPPP Results
Monitoring Location SW-4

Parameter Name	Units	2015 MSGP	09/09/20		03/22/22	
Sample Type			Grab	Composite	Grab	Composite
Metals						
Arsenic	mg/L	0.15	***0.00165 J***	***0.00142 J***	***0.00098 J***	***0.000807 J***
Barium	mg/L	#N/A	***0.0722***	***0.0657***	***0.0698***	***0.0668***
Cadmium	mg/L	0.0021	***0.000061 J***	***0.000056 J***	***0.000057 J***	<0.000055
Calcium	mg/L	#N/A	***119***	***103***	***141***	***140***
Chromium	mg/L	#N/A	***0.00308 J***	***0.00284 J***	***0.0014 J***	<0.0011
Iron	mg/L	1	***2.64***	***2.32***	***1.77***	***1.38***
Lead	mg/L	0.082	***0.00175***	***0.0015***	***0.0014***	***0.00137***
Magnesium	mg/L	0.064	***26.6***	***22.2***	***34.3***	***33.6***
Magnesium, Dissolved	mg/L	#N/A	***25.8***	***26.8***	***36.7***	***37.2***
Mercury	mg/L	0.0014	<0.000100	<0.000100	<0.00011	<0.00011
Potassium	mg/L	#N/A	***7.12***	***5.34***	***6.94***	***6.73***
Selenium	mg/L	0.005	***0.00144 J***	***0.00125 J***	***0.00127 J***	***0.00133 J***
Silver	mg/L	0.0038	<0.000370	<0.000370	<0.00049	<0.00049
Sodium	mg/L	#N/A	***27.6***	***22.3***	***25.9***	***25.1***
Nonmetallic Inorganics						
Ammonia (as N)	mg/L	2.14	***0.654***	***0.702***	***1.51***	***1.36***
Chemical Oxygen Demand	mg/L	120	***63***	***44.8***	<24	***27.4***
Chloride	mg/L	#N/A	***42.4***	***40.9***	***49.8***	***50.3***
Cyanide	mg/L	0.022	<0.00500	#N/A	<0.0043	#N/A
Nitrate Nitrite as N	mg/L	0.68	***0.213***	***0.167***	***1.47***	***1.5***
Sulfate	mg/L	#N/A	***239***	***283***	***191***	***192***
Organics						
HEM (Oil and Grease)	mg/L	#N/A	<4.3	#N/A	<4.4	#N/A
TOC Dup	mg/L	#N/A	***6.67***	***6.84***	***8.01***	***7.75***
Other Chemical Properties						
Bicarbonate Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	***294***	***294***
Carbonate Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
Hydroxide Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
pH	SU	6.0 - 9.0	***8***	#N/A	***7.8***	***7.8***
Phenolphthalein Alkalinity as CaCO3	mg/L	#N/A	#N/A	#N/A	<4.6	<4.6
Total Alkalinity as CaCO3	mg/L	NS	***158***	***178***	***294***	***294***
Total Dissolved Solids	mg/L	NS	***608***	***536***	***588***	***600***

Detections at or above the RL are shown in bold italics on gray background.

Detections greater than the MDL but less than the RL are shown in bold italics on white background with a J.

APPENDIX F

PERIODIC INSPECTION RECORD SHEET

BLACK HAWK COUNTY LANDFILL
STORM WATER POLLUTION PREVENTION PLAN
WEEKY INSPECTION CHECKLIST

COMPLETED BY: _____ **Date:** _____

SHOP

Circle Yes = Acceptable or No = Unacceptable. All unacceptables will need action taken.

Inspection Item	**Status = Acceptable** **Yes / No**	**Potential Concerns**
Used Oil Burner	Yes / No	Leaks
Used Oil Tank	Yes / No	Leaks
Oil and Lubricant Storage	Yes / No	Leaks and Spills
Remarks:		
Action Taken:		
Date Performed:		

STORM WATER CULVERTS

Circle Yes = Acceptable or No = Unacceptable. All unacceptables will need action taken.

Inspection Item	Status = Acceptable Yes / No	Potential Concerns
	Yes / No	Blockages
	Yes / No	Blockages
	Yes / No	Blockages
	Yes / No	Blockages
	Yes / No	Blockages
	Yes / No	Blockages
	Yes / No	Blockages
	Yes / No	Blockages
	Yes / No	Blockages
Remarks:		
Action Taken:		
Date Performed:		

FUELING STATION

Circle Yes = Acceptable or No = Unacceptable. All unacceptables will need action taken.

Inspection Item	Status = Acceptable Yes / No	Potential Concerns
Fueling Station	Yes / No	Drain Blockage, Holes in the Piping, Pump Operation
Remarks:		
Action Taken:		
Date Performed:		

LANDFORMS

Circle Yes = Acceptable or No = Unacceptable. All unacceptables will need action taken.

Inspection Item	Status = Acceptable Yes / No	Potential Concerns
Roads	Yes / No	Erosion
Ditches	Yes / No	Erosion
Remarks:		
Action Taken:		
Date Performed:		

SILT FENCE INSPECTION

Circle Yes = Acceptable or No = Unacceptable. All unacceptable results will need action taken.

Inspection Item	Status = Acceptable Yes / No	Potential Concerns
	Yes / No	Erosion
	Yes / No	Erosion
	Yes / No	Erosion
	Yes / No	Erosion
	Yes / No	Erosion
	Yes / No	Erosion
Remarks:		
Action Taken:		
Date Performed:		

APPENDIX G

ANNUAL SITE COMPLIANCE EVALUATIONS

Black Hawk County Landfill
Annual Site Compliance Evaluation Form

Date: _____ Time: _____

Conducted by: John Foster

Signature: _____

Area/Equipment/BMP Inspected	Observations	Actions Taken
Shop - Equipment Storage		
Petroleum Tanks and Fueling Station		
Waste Oil Burner and Used Oil Tank		
Roads – Track Out		
Leachate Control Systems		
MSW Working Face		
Cover Drainage System		
Composting Stockpile Area		
Small Loads Facility		
Asbestos Cell No. 2		
Ditches		
Culverts		
Borrow Areas		
Outfalls		

APPENDIX H

EVALUATION OF THE PRESENCE OF NON-STORM WATER DISCHARGES

Black Hawk County Landfill
Non-Storm Water Inspection Report

Date of Inspection: _____ Time: _____

Inspected by (printed name): John Foster

Signature: _____

Description of type of inspection (check those that apply):

- visual observation
- dye tests
- smoke tests
- TV line survey
- analysis of accurate schematics
- sampling/monitoring
- other (specify) _____

Observations/Results: _____

_____

_____

_____

_____

_____

_____

Are there any non-storm water discharges?

- ❑ yes
- ❑ no

Is the discharge authorized under this permit?

- ❑ yes
- ❑ no

Is the discharge covered under another National Pollutant Discharge Elimination System (NPDES) permit?

- ❑ yes
- ❑ no

APPENDIX I

IDNR NPDES PERMIT NO. 2 EXCEPTION

Oelkers, Christopher G.

From: Kimball, Daniel
Sent: Friday, June 03, 2016 8:54 AM
To: Oelkers, Christopher G.
Subject: FW: Landfill NPDES question

Chris,
See the emails below from the DNR. Looks like we should be covered.

Dan

Daniel Kimball, PE, CPESC
AECOM
501 Sycamore St., Suite 222
Waterloo, IA 50703
319.232.6531 Office
319.232.0271 Fax
www.aecom.com

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From: Kimball, Daniel
Sent: Monday, March 23, 2015 11:39 AM
To: Oelkers, Christopher G.
Subject: FW: Landfill NPDES question

See below. It looks like you should be ok with the GP1 and do not require an additional permit for your landfill work.

Dan

From: Griffin, Joe [DNR] [mailto:Joe.Griffin@dnr.iowa.gov]
Sent: Friday, March 20, 2015 4:32 PM
To: Kimball, Daniel
Subject: RE: Landfill NPDES question

In those cases, no GP2 is required as we interpret earth moving to part of the usual business activities of a landfill.

From: Kimball, Daniel [mailto:Daniel.Kimball@aecom.com]
Sent: Friday, March 20, 2015 3:33 PM
To: Griffin, Joe [DNR]
Subject: Landfill NPDES question

Hi Joe,
I had a question regarding NPDES permitting for landfill construction. If a landfill has an active NPDES Permit #1 do they need to apply for an NPDES permit #2 if they are planning on building a new cell at the landfill or would that be covered under the existing NPDES permit #1. Thanks.

Dan

Daniel Kimball, PE, CPESC
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Waterloo, IA 50703
319.232.6531 Office
319.232.0271 Fax
www.aecom.com

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APPENDIX J

CONSTRUCTION CERTIFICATIONS

Storm Water Discharge Associated With Industrial Activity
For Construction Activities

Black Hawk County Landfill
Black Hawk County Solid Waste Management Commision

Certification Statement

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site as part of this certification. Further, by my signature, I understand that I am becoming a co-permittee, along with the owner(s) and other Contractors and Subcontractors signing such certifications, to the Iowa Department of Natural Resources NPDES General Permit No. 1 for "*Storm Water Discharge Associated with Industrial Activity Amended for Construction* at the identified site. As a co-permittee, I understand that I, and my company, are legally required under the Clean Water Act and the Code of Iowa, to ensure compliance with the terms and conditions of the storm water pollution prevention plan developed under this NPDES permit and the terms of this NPDES permit."

Name _____
Type, Stamp or Print Legibly

Title _____

Company Name _____

Address _____

_____

_____

Project Location: _____

_____

Telephone Number _____

Signed By _____ Date _____
(*president, vice-president, general partner of proprietor)*