



State of Utah

SPENCER J. COX
Governor

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Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

DAQE-AN157920001-22

December 15, 2022

Rob Richards
ROC Fund Landfill Holdings, LLC
PO Box 1889
Salt Lake City, UT 84110
robr890@gmail.com

Dear Mr. Richards:

Re: Approval Order:
New Approval Order (AO) for the Intermountain Regional MSW Landfill
Project Number: N157920001

The attached Approval Order (AO) is issued pursuant to the Notice of Intent (NOI) received on January 4, 2022. ROC Fund Landfill Holdings, LLC must comply with the requirements of this AO, all applicable state requirements (R307), and Federal Standards.

The project engineer for this action is **Jake Ries**, who can be contacted at (385) 306-6530 or jries@utah.gov. Future correspondence on this AO should include the engineer's name as well as the DAQE number shown on the upper right-hand corner of this letter. No public comments were received on this action.

Sincerely,

Bryce C. Bird
Director

BCB:JR:jg

cc: Utah County Health Department

STATE OF UTAH
Department of Environmental Quality
Division of Air Quality

APPROVAL ORDER
DAQE-AN157920001-22
New Approval Order (AO) for the Intermountain Regional MSW
Landfill

Prepared By
Jake Ries, Engineer
(385) 306-6530
jries@utah.gov

Issued to
ROC Fund Landfill Holdings, LLC - Intermountain Regional MSW Landfill

Issued On
December 15, 2022

Issued By

A handwritten signature in black ink, appearing to read 'Bryce C. Bird', is positioned above the printed name.

Bryce C. Bird
Director
Division of Air Quality

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GENERAL INFORMATION

CONTACT/LOCATION INFORMATION

Owner Name

ROC Fund Landfill Holdings, LLC

Source Name

ROC Fund Landfill Holdings, LLC -
Intermountain Regional MSW Landfill

Mailing Address

PO Box 1889
Salt Lake City, UT 84110

Physical Address

800 South Allen Ranch Road
Fairfield, UT 84013

Source Contact

Name Rob Richards
Phone (801) 403-7651
Email robr890@gmail.com

UTM Coordinates

409098 m Easting
4452389 m Northing
Datum NAD83
UTM Zone 12

SIC code 4953 (Refuse Systems)

SOURCE INFORMATION

General Description

ROC Fund Landfill Holdings, LLC (ROC) owns and operates the Intermountain Regional MSW Landfill in Fairfield. The facility accepts municipal and commercial waste.

NSR Classification

New Minor Source

Source Classification

Located in Southern Wasatch Front O3 NAA, Provo UT PM_{2.5} NAA
Utah County
Airs Source Size: B

Applicable Federal Standards

NSPS (Part 60), A: General Provisions
NSPS (Part 60), Cc: Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills
NSPS (Part 60), WWW: Standards of Performance for Municipal Solid Waste Landfills
State Plans (Part 62), OOO - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014
MACT (Part 63), A: General Provisions
MACT (Part 63), AAAA: National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills
MACT (Part 63), ZZZZ: National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Title V (Part 70) Area Source

Project Description

ROC owns and operates the existing Intermountain Regional MSW Landfill. The source is now required by 40 CFR 60 Subpart WWW to install a landfill gas collection and control system. ROC has requested a new AO for the installation of this system. This system will consist of one (1) candlestick flare and two (2) diesel-fired generator engines. There will also be an additional diesel-fired generator on site to supply power to the landfill's scale house and office. Emissions from this facility are primarily associated with landfill gas and diesel combustion.

SUMMARY OF EMISSIONS

The emissions listed below are an estimate of the total potential emissions from the source. Some rounding of emissions is possible.

Criteria Pollutant	Change (TPY)	Total (TPY)
CO ₂ Equivalent	34081.00	34081.00
Carbon Monoxide	93.96	93.96
Nitrogen Oxides	20.01	20.01
Particulate Matter - PM ₁₀	3.96	3.96
Particulate Matter - PM _{2.5}	3.96	3.96
Sulfur Dioxide	9.10	9.10
Volatile Organic Compounds	9.10	9.10

Hazardous Air Pollutant	Change (lbs/yr)	Total (lbs/yr)
Generic HAPs (CAS #GHAPS)	1640	1640
	Change (TPY)	Total (TPY)
Total HAPs	0.82	0.82

SECTION I: GENERAL PROVISIONS

I.1	All definitions, terms, abbreviations, and references used in this AO conform to those used in the UAC R307 and 40 CFR. Unless noted otherwise, references cited in these AO conditions refer to those rules. [R307-101]
I.2	The limits set forth in this AO shall not be exceeded without prior approval. [R307-401]
I.3	Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved. [R307-401-1]
I.4	All records referenced in this AO or in other applicable rules, which are required to be kept by the owner/operator, shall be made available to the Director or Director's representative upon request, and the records shall include the five-year period prior to the date of the request. Unless otherwise specified in this AO or in other applicable state and federal rules, records shall be kept for a minimum of five (5) years. [R307-401-8]

I.5	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Director which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded. [R307-401-4]
I.6	The owner/operator shall comply with UAC R307-107. General Requirements: Breakdowns. [R307-107]
I.7	The owner/operator shall comply with UAC R307-150 Series. Emission Inventories. [R307-150]
I.8	The owner/operator shall submit documentation of the status of construction or modification to the Director within 18 months from the date of this AO. This AO may become invalid if construction is not commenced within 18 months from the date of this AO or if construction is discontinued for 18 months or more. To ensure proper credit when notifying the Director, send the documentation to the Director, attn.: NSR Section. [R307-401-18]

SECTION II: PERMITTED EQUIPMENT

II.A THE APPROVED EQUIPMENT

II.A.1	Intermountain Regional MSW Landfill
II.A.2	Two (2) Flare Station Generator Engines Rating: 70 kW each (94 hp each) Fuel: Ultra-low Sulfur Diesel (ULSD) Federal Applicability: NSPS Subpart IIII and MACT Subpart ZZZZ
II.A.3	Scale House Generator Engine Rating: 20 kW (27 hp) Fuel: ULSD Federal Applicability: NSPS Subpart IIII and MACT Subpart ZZZZ
II.A.4	Candlestick Flare Capacity: 2,000 scfm
II.A.5	Intermountain Regional MSW Landfill Class V Municipal Solid Waste Landfill with a 27 million cubic feet capacity. NSPS WWW, 40 CFR 62 Subpart OOO, and NESHAP AAAA applies to this unit

SECTION II: SPECIAL PROVISIONS

II.B REQUIREMENTS AND LIMITATIONS

II.B.1	Site-Wide Requirements
II.B.1.a	The owner/operator shall not allow visible emissions from the following emission units to exceed the following values: A. Candlestick Flare - 20% opacity B. 20% diesel-fired generator engines and all other sources. [R307-401-8]
II.B.1.a.1	Opacity observations of emissions from any stationary source on site shall be conducted according to 40 CFR 60, Appendix A, Method 9. [R307-401-8]
II.B.1.b	The owner/operator shall meet all applicable requirements of 40 CFR 60 Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills, 40 CFR 62 Subpart OOO - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014, and Have Not Been Modified or Reconstructed Since July 17, 2014, and 40 CFR 63 Subpart AAAA National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills. [40 CFR 60 Subpart WWW, 40 CFR 62 Subpart OOO, 40 CFR 63 Subpart AAAA]
II.B.2	Engine Requirements
II.B.2.a	The owner/operator shall not operate more than one 70 kW engine at one time. [R307-401-8]
II.B.2.a.1	The owner/operator shall: A. Record the date and time that each 70 kW engine operated B. Maintain records of maintenance and testing on a daily basis. [R307-401-8]
II.B.2.b	The owner/operator shall only use diesel fuel (e.g. fuel oil #1, #2, or diesel fuel oil additives) as fuel in the engines. [R307-401-8]
II.B.2.c	The owner/operator shall only combust diesel fuel that meets a sulfur content of 15 ppm or less. [R307-401-8]
II.B.2.c.1	To demonstrate compliance with the ULSD fuel requirement, the owner/operator shall maintain records of diesel fuel purchase invoices or obtain certification of sulfur content from the diesel fuel supplier. The diesel fuel purchase invoices shall indicate that the diesel fuel meets the ULSD requirements. [R307-401-8]

PERMIT HISTORY

This Approval Order shall supersede (if a modification) or will be based on the following documents:

Is Derived From
Incorporates
Incorporates
Incorporates

NOI dated January 4, 2022
Additional Information dated March 7, 2022
Additional Information dated June 16, 2022
DAQE-MN157920001-22 dated July 27, 2022

ACRONYMS

The following lists commonly used acronyms and associated translations as they apply to this document:

40 CFR	Title 40 of the Code of Federal Regulations
AO	Approval Order
BACT	Best Available Control Technology
CAA	Clean Air Act
CAAA	Clean Air Act Amendments
CDS	Classification Data System (used by Environmental Protection Agency to classify sources by size/type)
CEM	Continuous emissions monitor
CEMS	Continuous emissions monitoring system
CFR	Code of Federal Regulations
CMS	Continuous monitoring system
CO	Carbon monoxide
CO ₂	Carbon Dioxide
CO ₂ e	Carbon Dioxide Equivalent - Title 40 of the Code of Federal Regulations Part 98, Subpart A, Table A-1
COM	Continuous opacity monitor
DAQ/UDAQ	Division of Air Quality
DAQE	This is a document tracking code for internal Division of Air Quality use
EPA	Environmental Protection Agency
FDCP	Fugitive dust control plan
GHG	Greenhouse Gas(es) - Title 40 of the Code of Federal Regulations 52.21 (b)(49)(i)
GWP	Global Warming Potential - Title 40 of the Code of Federal Regulations Part 86.1818-12(a)
HAP or HAPs	Hazardous air pollutant(s)
ITA	Intent to Approve
LB/YR	Pounds per year
MACT	Maximum Achievable Control Technology
MMBTU	Million British Thermal Units
NAA	Nonattainment Area
NAAQS	National Ambient Air Quality Standards
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NO _x	Oxides of nitrogen
NSPS	New Source Performance Standard
NSR	New Source Review
PM ₁₀	Particulate matter less than 10 microns in size
PM _{2.5}	Particulate matter less than 2.5 microns in size
PSD	Prevention of Significant Deterioration
PTE	Potential to Emit
R307	Rules Series 307
R307-401	Rules Series 307 - Section 401
SO ₂	Sulfur dioxide
Title IV	Title IV of the Clean Air Act
Title V	Title V of the Clean Air Act
TPY	Tons per year
UAC	Utah Administrative Code
VOC	Volatile organic compounds