State of Utah

SPENCER J. COX
Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of
Environmental Quality

Kimberly D. Shelley
Executive Director

DIVISION OF AIR QUALITY
Bryce C. Bird
Director

RN101070011

August 12, 2022

Darin Olson
ECDC Environmental LC
1111 West Hwy 123
PO Box 69
East Carbon, UT 845200
dolson@republicservices.com

Dear Darin Olson,

Re: Engineer Review:
Modification to Approval Order DAQE-AN0107005-05 to Update Equipment List and Conditions
Project Number: N101070011

The DAQ requests a company representative (Title V Responsible Official for enhanced Approval Order application) review and sign the attached Engineer Review (ER). This ER identifies all applicable elements of the New Source Review permitting program. ECDC Environmental LC should complete this review within **10 business days** of receipt.

ECDC Environmental LC should contact **John Jenks** at (385) 306-6510 if there are questions or concerns with the review of the draft permit conditions. Upon resolution of your concerns, please email jjenks@utah.gov the signed cover letter to John Jenks. Upon receipt of the signed cover letter, the DAQ will prepare an ITA for a 30-day public comment period. At the completion of the comment period, the DAQ will address any comments and will prepare an AO for signature by the DAQ Director.

If ECDC Environmental LC does not respond to this letter within **10 business days,** the project will move forward without source concurrence. If ECDC Environmental LC has concerns that cannot be resolved and the project becomes stagnant, the DAQ Director may issue an Order prohibiting construction.

Approval Signature DOlson 8-24-2022
(Signature & Date)

[✓] By (Title V responsible official) initialing this box and signing this document, this document serves as an enhanced application and the public comment period will serve as the required comment period for Title V purposes.

The Title V responsible official certifies: based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Alan Humpherys <ahumpherys@utah.gov>

ECDC Environmental LLC Notice of Intent Application Submittal (AO DAQE-AN0107005-05)

2 messages

DeLong, Haley <HDeLong@scsengineers.com> Fri, Feb 14, 2020 at 4:38 PM
To: "ahumpherys@utah.gov" <ahumpherys@utah.gov>
Cc: "Olson, Darin" <DOlson@republicservices.com>, "O'Connor, Michael" <MOConnor@scsengineers.com>

Mr. Humpherys,

On behalf of ECDC Environmental, L.C., SCS Engineers has prepared the attached Notice of Intent Application to modify Approval Order DAQE-AN0107005-05.

If you have any questions regarding this application, please let me know.

Thank you,

Haley

Haley DeLong

SCS ENGINEERS

3843 Brickway Blvd., Suite 208

Santa Rosa, CA 95403

Direct: 707-236-3788

Office: 707-546-9461 Ext. 5221

Mobile: 707-486-0803

hdelong@scsengineers.com

ECDC NOI App_2-14-20.pdf
4744K

Alan Humpherys <ahumpherys@utah.gov> Tue, Feb 18, 2020 at 9:05 AM
To: "DeLong, Haley" <HDeLong@scsengineers.com>
Cc: "Olson, Darin" <DOlson@republicservices.com>, "O'Connor, Michael" <MOConnor@scsengineers.com>, Jon Black <jlblack@utah.gov>

Haley,

Thank you for the application. We will assign it to an engineer, and they will be contacting you soon.

Thanks,
Alan
[Quoted text hidden]
--

Alan Humpherys

Manager | Minor NSR Section

P: (801) 536-4142
F: (801) 536-4099

airquality.utah.gov

Emails to and from this email address may be considered public records and thus subject to Utah GRAMA requirements.

Notice of Intent Application for ECDC Environmental Landfill East Carbon, Utah

UTAH DEPARTMENT OF
ENVIRONMENTAL QUALITY

FEB 14 2020

DIVISION OF AIR QUALITY

Prepared for:
ECDC Environmental, L.C.
1111 West Highway 123
P.O. Box 69
East Carbon, Utah 84520

For Submittal to:
Utah Division of Air Quality
P.O. Box 144820
Salt Lake City, UT 84114-4820
(801) 536-4000

SCS ENGINEERS

01204036.02 Task 67 February 2020

3843 Brickway Blvd., Suite 208
Santa Rosa, CA 95403
(707) 546-9461

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1.0 INTRODUCTION

On behalf of ECDC Environmental, L.C. (ECDC), SCS Engineers (SCS) is submitting this Notice of Intent (NOI) application for ECDC Environmental Landfill (Landfill) to the Utah Department of Environmental Quality (UDEQ), Division of Air Quality (UDAQ). ECDC's most recent approval order, (AO), DAQE-AN0107005-05 (see **Appendix A**), was issued on March 16, 2005. The purpose of this NOI is to request several updates to the current AO to ensure the AO reflects the current operation and equipment at ECDC. Please note that this NOI is being submitted in conjunction with a Title V renewal application. ECDC is currently operating under Title V permit number 700042003. ECDC requests that all changes made to the AO are incorporated into the Title V renewal permit. Per conversations with John Jenks of the UDAQ, it is SCS' understanding that the UDAQ will first process this NOI application, and then subsequently make the appropriate changes to the Title V renewal permit. SCS has also included the proposed changes that will affect the renewed Title V permit in the Title V renewal application for the UDAQ's convenience.

1.1 SITE LOCATION AND DESCRIPTION

The Landfill is owned and operated by ECDC and is located approximately one mile west of East Carbon City, in Carbon County, Utah. The site address is 1111 West Highway 123, East Carbon, Utah. The Landfill began receiving waste in 1992, and includes a rotary rail car dump station to handle waste brought to the Landfill via rail car.

2.0 PROPOSED AO CHANGES

As mentioned previously, the current AO is dated March 16, 2005. The intent of this NOI application is to update several items in the current AO to ensure it reflects current operation and equipment at ECDC. The requested changes are as follows:

Site Contact

The source contact's phone number needs to be updated. In addition, the site contact's last name as listed on the AO is misspelled.

The current site contact information is provided below.

Darin Olson
Environmental Manager
1111 West Highway 123
East Carbon, UT 84520
(435) 888-4115

Permitted Equipment (see item #8 on current AO)

ECDC requests the following equipment is removed from the AO as it is no longer being operated on site.

B. One (1) Haul Truck Bottom Dump Facility

C. One (1) Waste Container Rollover Facility

E. One (1) Vibrating Screen

Capacity: 250 tons per hour

Associated Equipment:

One (1) Generator Engine
Fuel Type: Diesel
Rating: 70 horsepower (hp)
Two (2) Conveyors

ECDC also requests several changes are made to the below equipment.

The current AO lists one 18,000 gallon above-ground diesel storage tank, one 1,000 gallon above-ground diesel storage tank, and one 1,000 gallon above-ground storage unleaded gasoline tanks. The equipment is listed on the AO as follows:

F. One (1) storage tank 40 CFR 60 Subpart Kb
Capacity: 18,000 gallons

G. Two (2) storage tanks
Capacity: 1,000 gallons – each

These storage tanks are no longer onsite. However, ECDC now has a 15,000 gallon dual-walled above-ground storage tank that has a capacity for 14,000 gallons of diesel and 1,000 gallons of unleaded gasoline. This is the only fuel tank onsite. As the diesel and unleaded gasoline capacities in the dual-walled above-ground storage tank do not exceed the capacities in the storage tank listed on the AO, and there were no permitted throughputs associated with the permitted tanks, there is no increase in emissions. Potential to Emit (PTE) Volatile Organic Compound (VOC) emission calculations are provided in **Table 1** (attached). Note that the PTE emissions assumed 10,000 gallons of gasoline throughput and 100,000 gallons of diesel throughput per year. Actual dispensing rates are approximately 60,000 gallons of diesel per year and 5,000 gallons of unleaded gasoline per year. The PTE VOC emissions from this tank is approximately 0.1 tons per year.

2015 bullet

The current AO also lists three leachate pump engines as follows:

H. One (1) Leachate Pump Engine
Fuel Type: Diesel
Rating: 42 hp

I. One (1) Leachate Pump Engine
Fuel Type: Diesel
Rating: 19 hp

J. One (1) Leachate Pump Engine
Fuel Type: Diesel
Rating: 159 hp

42? These engines are no longer onsite. ECDC has one diesel leachate pump engine with a maximum rating of 34 hp. In addition, ECDC has a 17 hp diesel engine to power a steam cleaner, a 28 hp engine to power a 4-inch water pump, and a 49 hp engine to power a compressor.

There are no specific conditions for the leachate pump engines on the current AO. However, condition II.B.3.b of ECL's Title V Operating Permit states the combined total hours of operation for the three engines shall not exceed 8,760 hours per rolling 12-month period. Current permitted PTE emissions and proposed permitted PTE emissions are provided as **Table 2** (attached). For current permitted PTE emissions, it was assumed the 159 hp leachate pump engine operated the full 8,760 hours, as this would be considered the worst-case emissions scenario. The proposed permitted PTE emissions were calculated based on the maximum number of hours these engines would operate per year. As shown in **Table 2**, there is a net decrease in PTE emissions for all pollutants. Please note that there would also be an additional emissions decrease from removing the 70 hp engine that was previously used to power a vibrating screen. However, there are no limits operating the use of this engine on the AO or the Title V Operating Permit, so this engine was not included in the currently permitted PTE emissions.

3.0 REGULATORY DISCUSSION

Per UDAQ R307-401-12, a site that reduces air pollutants is exempt from the requirement to submit a NOI as long as the project does not increase the PTE of any air pollutant or cause emissions of any new air pollutant, and if the director is notified of the change in writing. Although there is no increase in PTE emissions associated with this NOI application, per discussions with the UDAQ, the UDAQ will need to make several updates to the current AO as it is 15 years old. It is SCS' understanding that this AO modification is considered an administrative modification. In addition, as there is no increase in permitted emissions or change in processes, a regulatory review that discusses requirements such as Best Available Control Technology (BACT) requirements and offset requirements is not required, as they are not applicable.

UDAQ forms 2 and 4 are provided as **Appendix B.** It is SCS' understanding Form 3 is not required as there are no new processes, and Form 5 is not required as there are no emission increases associated with this NOI application.

4.0 PERMIT PROCESSING FEES

It is ECDC's understanding that a final invoice for this permitting action will be provided to ECDC once the permitting is completed. However, if the UDAQ requires a filing fee associated with this NOI application, ECDC requests that Darin Olson is contacted right away to make this payment. In addition, ECDC requests that the final invoice be sent to Darin Olson at the following address:

Darin Olson
Environmental Manager
ECDC Environmental, L.C.
1111 West Highway 123
East Carbon, Utah 84520
(435) 888-4115
dolson@republicservices.com

Tables

TABLE 1. ON-SITE AND OFF-ROAD DISEL ENGINE EMISSIONS POTENTIAL TO EMIT (PTE) EMISSIONS CALCULATIONS
EAST CARBON LANDFILL, EAST CARBON, UTAH

Current Permitted PTE Emissions

				AP-42 Emission Factors (Table 3.3-1)					Annual PTE Emissions (lb/yr)					Annual PTE Emissions (tons/yr)				
Equipment Description	Fuel	Max HP	Potential Usage (hrs) [1]	PM[2]	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
Engine Emissions				AP-42 Emission Factors (Table 3.4-1) (lb/HP-hr)														
Leachate Generator Engine	Diesel	19	0	0.0022	0.00205	0.031	0.00247	0.00668	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000
Leachate Generator Engine	Diesel	42	0	0.0022	0.00205	0.031	0.00247	0.00668	0	0	0	0	0	0.000	0.000	0.000	0.000	0.000
Leachate Generator Engine	Diesel	159	8760	0.0022	0.00205	0.031	0.00247	0.00668	3064.25	2855.322	43178	3440.3148	9304.1712	1.532	1.428	21.589	1.720	4.652
													Total Emissions	**1.532**	**1.428**	**21.589**	**1.720**	**4.652**

1 - Condition II.B.3.b states the combined total hours of operation shall be no greater than 8,760 hours per rolling 12-month period. As such, the worst-case PTE emissions assume that only the 159 hp engine operated during the year.

2 - According to note 'b' on Table 3.3-1, all particulate matter from fuel combustion is assumed to be less than 1 micron in aerodynamic diameter. Therefore, the emission factor will be used for PM-10, PM-2.5, and TSP.

Proposed Permitted PTE Emissions

				AP-42 Emission Factors (Table 3.3-1)					Annual PTE Emissions (lb/yr)					Annual PTE Emissions (tons/yr)				
Equipment Description	Fuel	Max HP	Potential Usage (hrs)	PM[1]	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO	PM	SOx	NOx	VOC	CO
Engine Emissions				AP-42 Emission Factors (Table 3.4-1) (lb/HP-hr)														
Steam Cleaner Engine	Diesel	17	250	0.0022	0.00205	0.031	0.00247	0.00668	9.35	8.7125	131.75	10.4975	28.39	0.004675	0.0044	0.06588	0.0052488	0.0142
4 Inch Water Pump Engine	Diesel	28	150	0.0022	0.00205	0.031	0.00247	0.00668	9.24	8.61	130.2	10.374	28.056	0.005	0.004	0.065	0.005	0.014
Compressor Engine	Diesel	49	250	0.0022	0.00205	0.031	0.00247	0.00668	26.95	25.1125	379.75	30.2575	81.83	0.013	0.013	0.190	0.015	0.041
Leachate Generator Engine	Diesel	34	150	0.0022	0.00205	0.031	0.00247	0.00668	11.22	10.455	158.1	12.597	34.068	0.006	0.005	0.079	0.006	0.017
													Total Emissions	**0.028**	**0.026**	**0.400**	**0.032**	**0.086**

1 - According to note 'b' on Table 3.3-1, all particulate matter from fuel combustion is assumed to be less than 1 micron in aerodynamic diameter. Therefore, the emission factor will be used for PM-10, PM-2.5, and TSP.

Pollutant	Current Permitted PTE Emissions (tons/yr)	Proposed Permitted PTE Emissions (tons/yr)	Net Change (tons/yr)
PM	1.53	0.03	-1.50
SOx	1.43	0.03	-1.40
NOx	21.59	0.40	-21.19
VOC	1.72	0.03	-1.69
CO	4.65	0.09	-4.57

TABLE 2 - ABOVE-GROUND DIESEL AND GASOLINE FUEL TANK POTENTIAL TO EMIT (PTE) EMISSIONS CALCULATIONS

EAST CARBON LANDFILL, EAST CARBON, UTAH

	VOC Emissions Factors (lb/1000 gal) [1]	Maximum Gasoline Throughput (gal/yr)	Potential to Emit (PTE) Total VOC Emissions (tons/yr)
Storage Tank Filling	8.40	10,000	0.04
Storage Tank Breathing Losses	2.10	10,000	0.01
Dispensing	8.40	10,000	0.04
		Total Gasoline Emissions:	**0.09**

	VOC Emissions Factors (lb/1000 gal) [2]	Maximum Diesel Throughput (gal/yr)	Potential to Emit (PTE) Total VOC Emissions (tons/yr)
Storage Tank Filling	0.040	100,000	0.00
Storage Tank Breathing Losses	0.0275	100,000	0.00
Dispensing	0.040	100,000	0.00
		Total Diesel Emissions:	**0.01**

Total PTE VOC Emissions From Fuel Tank/Dispensing (tons/year):	**0.1**

NOTES:

(1) Emissions factors (amount of fuel volatilized) for gasoline tank filling, breathing losses, and dispensing were obtained from the 1997 California Air Pollution Control Officers Association (CAPCOA) Air Toxics "Hot Spots" Program document, Gasoline Service Station Industrywide Risk Assessment Guidelines. These emission factors are for uncontrolled, above-ground gasoline storage tanks.

(2) Diesel emission factors were derived using the no.2 diesel true vapor pressure and vapor molecular weight from AP-42 Table 7.1-2 at 70F and equation 1 of section 5.2.2 with an S factor value of 1.45 for storage tank and vehicle tank filling and an S factor of 1.0 for breathing losses.

Appendix A

UDAQ Approval Order DAQE-AN0107005-05

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

State of Utah

Department of
Environmental Quality

Dianne R. Nielson, Ph.D.
Executive Director

DIVISION OF AIR QUALITY
Richard W. Sprott
Director

DAQE-AN0107005-05

March 16, 2005

Darin Olsen
ECDC Environmental LC
1111 West Highway 123
P.O. Box 69
East Carbon, Utah 84520-0

Dear Mr. Olsen:

Re: Approval Order: Modification of Approval Order DAQE# AN0107004-04, Revising Emission Calculations, Carbon County – CDS A; ATT; NSPS, NESHAPS, HAPs, Title V Major
Project Code: N0107-005

The attached document is the Approval Order (AO) for the above-referenced project.

Future correspondence on this Approval Order should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. Please direct any technical questions you may have on this project to Mr. John D. Jenks. He may be reached at (801) 536-4459.

Sincerely,

Richard W. Sprott, Executive Secretary
Utah Air Quality Board

RWS:JJ:re

cc: Southeastern Utah District Health Department
Mike Owens, EPA Region VIII

STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

APPROVAL ORDER: MODIFICATION OF APPROVAL ORDER DAQE# AN0107004-04, REVISING EMISSION CALCULATIONS

Prepared By: John D. Jenks, Engineer
(801) 536-4459
Email: jjenks@utah.gov

APPROVAL ORDER NUMBER

DAQE-AN0107005-05

Date: March 16, 2005

ECDC Environmental LC
Source Contact
Darin Olsen
(435) 888-4418
Ext. 22

Richard W. Sprott
Executive Secretary
Utah Air Quality Board

Abstract

ECDC Environmental LC has previously submitted a Notice of Intent to install and operate a landfill gas collection and control system at the landfill located in Carbon County. Since the issuance of that permit, ECDC has employed a consulting firm to review the emission numbers used. In this review, more accurate information was obtained from the flare manufacturer, which corrects the previous AP-42 values originally used. The new emission values are higher than anticipated, owing mostly to the difference in flare designs – specifically the use of a candlestick flare rather than an enclosed fare. ECDC is located in Carbon County, which is an attainment area of the National Ambient Air Quality Standards (NAAQS) for all pollutants. New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAP) apply to this source. Maximum Achievable Control Technology (MACT) regulations do not apply to this source. Title V of the 1990 Clean Air Act applies to this source. The Title V operating permit for this source shall be amended prior to the operation of the equipment.

The emissions, in tons per year, will increase as follows: PM_{10} 0.1, NO_x 15.77, SO_2 0.39, CO 43.75, and VOC 0.78.

The project has been evaluated and found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). A public comment period was held in accordance with UAC R307-401-4 and all comments received were evaluated. This air quality Approval Order (AO) authorizes the project with the following conditions, and failure to comply with any of the conditions may constitute a violation of this order.

General Conditions:

1. This Approval Order (AO) applies to the following company:

Site Office	Corporate Office Location
ECDC Environmental, L.C.	Allied Waste, Inc.
1111 West Highway 123	15880 North Greenway-Hayden Loop
East Carbon, UT 84520	Suite 100
	Scottsdale, AZ 85260

Phone Number (435) 888-4418 x 22
Fax Number (435) 888-0407

The equipment listed in this AO shall be operated at the following location:

1111 West Highway 123, East Carbon, Carbon County

Universal Transverse Mercator (UTM) Coordinate System: UTM Datum NAD27
4,375.24 kilometers Northing, 545.10 kilometers Easting, Zone 12

2. All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code (UAC) Rule 307 (R307) and Title 40 of the Code of Federal Regulations (40 CFR). Unless noted otherwise, references cited in these AO conditions refer to those rules.

gen 3. The limits set forth in this AO shall not be exceeded without prior approval in accordance with R307-401.

gen 4. Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be reviewed and approved in accordance with R307-401-1.

gen 5. All records referenced in this AO or in applicable NSPS and/or NESHAP, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request, and the records shall include the two-year period prior to the date of the request. Records shall be kept for the following minimum periods:

A.	Emission inventories	Five years from the due date of each emission statement or until the next inventory is due, whichever is longer.
B.	All other records	Five years

6. ECDC shall install and operate the new landfill gas collection and control system and shall conduct its operations of the East Carbon solid waste landfill in accordance with the terms and conditions of this AO, which was written pursuant to ECDC's Notice of Intent submitted to the Division of Air Quality (DAQ) on December 24, 2002 and additional information submitted to the DAQ on January 22, 2004 and July 16, 2004.

7. This AO shall replace the AO (DAQE-AN0107004-04) dated April 2, 2004

A 8. The approved installations shall consist of the following equipment (or equivalent*):

A. One (1) Railcar Rollover Facility (1)

B. One (1) Haul Truck Bottom Dump Facility not listed in T5

C. One (1) Waste Container Rollover Facility 8

(3) D. Two (2) Thaw sheds
Each shed contains up to 125 heaters

Fuel:	Natural Gas
Rating:	300,000 Btu/hr per heater 37,500,000 Btu/hr total per shed

E. One (1) Vibrating Screen

Capacity:	250 tons per hour

Associated equipment:
One (1) Generator Engine

Fuel Type:	Diesel
Rating:	70 hp

remove 5 11

Two (2) Conveyors

6 not listed
9
10

F.	One (1) Storage Tank Capacity:	40 CFR 60 Subpart Kb 18,000 gallons
G.	Two (2) Storage Tanks Capacity:	1,000 gallons - each
H.	One (1) Leachate Pump Engine Fuel Type: Rating:	 Diesel 42 hp
I.	One (1) Leachate Pump Engine Fuel Type Rating:	 Diesel 19 hp
J.	One (1) Leachate Pump Engine Fuel Type: Rating:	 Diesel 159 hp
K.	Landfill Gas Collection and Control System	(new)
	Associated Equipment Landfill Gas Candlestick Flare Propane Tank	 (new)

* Equivalency shall be determined by the Executive Secretary.

9. ECDC shall notify the Executive Secretary in writing when the installation of the equipment listed in Condition #8-K has been completed and is operational, as an initial compliance inspection is required. To insure proper credit when notifying the Executive Secretary, send your correspondence to the Executive Secretary, attn: Compliance Section.

If construction and/or installation has not been completed within eighteen months from the date of this AO, the Executive Secretary shall be notified in writing on the status of the construction and/or installation. At that time, the Executive Secretary shall require documentation of the continuous construction and/or installation of the operation and may revoke the AO in accordance with R307-401-11.

Limitations and Tests Procedures

10. Visible emissions from any stationary point or fugitive emission source associated with the source or with the control facilities shall not exceed 20% opacity. Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9, and/or 58 FR 61640, Method 203A, and/or Method 203B as applicable.

11. The following production and/or consumption limits shall not be exceeded:

A. 8,670,000 tons of waste material received at the landfill per rolling 12-month period.

B. 38,250 tons of waste material received at the landfill per day.

C. 240,000 tons of cover material (soil) screened per rolling 12-month period.

D. 75,000 tons of ash (or other waste solidification agent) consumed per rolling 12-month period.

To determine compliance with a rolling 12-month total the owner/operator shall calculate a new 12-month total by the twentieth day of each month using data from the previous 12 months. Records of consumption/production shall be kept for all periods when the plant is in operation. Incoming materials shall be considered as received at the moment when it leaves the vehicle in which it was transported to the landfill property (either by rail car, or haul truck, or waste container). Weighing the transportation vehicle when full and then subtracting the weight when empty shall determine the weight of the received materials. The daily volume of cover material screened shall be obtained as each material load is placed on the landfill or transported off-site. The daily mass of screened material shall then be calculated based on the daily throughput volume times an average soil density factor. The amount of ash (or other waste solidification agent) consumed shall be determined using either measured scale tonnages (weight of transport vehicle when full then subtracting the weight when empty) or solidification agent shipment records. The records of consumption/production shall be kept on a daily basis.

Roads and Fugitive Dust

12. ECDC shall abide by a fugitive dust control plan acceptable to the Executive Secretary for control of all dust sources associated with the East Carbon solid waste landfill. ECDC shall abide by the most current fugitive dust control plan approved by the Executive Secretary.

13. The facility shall abide by all applicable requirements of R307-205 for Fugitive Emission and Fugitive Dust sources.

Fuels

14. The owner/operator shall use natural gas as fuel in all the infrared, thaw-shed heaters.

15. The owner/operator shall use diesel fuel in the generator and leachate pumps.

update

16. The owner/operator shall use propane as fuel for pilot light maintenance in the gas collection system flare.

17. The sulfur content of any fuel oil or diesel burned shall not exceed:

0.5 percent by weight for fuel oils or diesel consumed in all equipment.

For each delivery of oil, ECDC shall either:

(1) Determine the fuel sulfur content expressed as wt% in accordance with the methods of the American Society for Testing Materials (ASTM);

(2) Inspect the fuel sulfur content expressed as wt% determined by the vendor using methods of the ASTM; or

(3) Inspect documentation provided by the vendor that indirectly demonstrates compliance with this provision.

Federal Limitations and Requirements

18. In addition to the requirements of this AO, all applicable provisions of 40 CFR 60, New Source Performance Standards (NSPS) Subpart A, (General Provisions), ~~40 CFR 60.1 to 60.19, Subpart Kb,~~ (Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) For Which Construction, Reconstruction or Modification Commenced After July 23, 1984), 40 CFR 60.110b to 60.117b and Subpart ~~WWW,~~ (Standards of Performance for Municipal Solid Waste Landfills), 40 CFR 60.750 to 60.759 apply to this installation. IIII AAAA 6b 000 and/or

19. In addition to the requirements of this AO, all applicable provisions of 40 CFR 61 National Emission Standards for Hazardous Air Pollutants (NESHAP) Subparts A, (General Provisions), and Subpart M, (National Emission Standard for Asbestos: Standards for Active Waste Disposal Sites), 40 CFR 61.154 apply to this installation. cf 63 AAAA 63 CCCCCC ZZZZ

Records & Miscellaneous

gen 20. 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 Approval Order 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 Executive Secretary 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.

gen 21. The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring.

gen 22. The owner/operator shall comply with R307-107. General Requirements: Unavoidable Breakdowns.

The Executive Secretary shall be notified in writing if the company is sold or changes its name.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including R307.

A copy of the rules, regulations and/or attachments addressed in this AO may be obtained by contacting the Division of Air Quality. The Utah Administrative Code R307 rules used by DAQ, the Notice of Intent (NOI) guide, and other air quality documents and forms may also be obtained on the Internet at the following web site:
http://airquality.utah.gov

The annual emission estimations below include point source, fugitive emissions, fugitive dust, road dust, and tail pipe emissions. These emissions are for the purpose of determining the applicability of Prevention of Significant Deterioration, non-attainment area, maintenance area, and Title V source requirements of the R307. They are not to be used for determining compliance.

The Potential To Emit (PTE) emissions for this source (the entire source) are currently calculated at the following values:

	Pollutant	Tons/yr
A.	PM_{10}	117.6
B.	SO_2	26.2
C.	NO_x	213.3
D.	CO	118.6
E.	VOC	30.1
F.	HAPs	
	Total HAPs	0.22

Approved By:

Richard W. Sprott, Executive Secretary
Utah Air Quality Board

Appendix B

UDAQ Form 2 and 4

AIR QUALITY

Form 2
Company Information/Notice of Intent (NOI)

Date 2-14-2020

Utah Division of Air Quality
New Source Review Section

Application for: ☐ **Initial Approval Order** ☑ **Approval Order Modification**

General Owner and Source Information

1.Company name and mailing address:
ECDC Environmental, L.C.
1111 West Highway 123
POBox 69, East Carbon,UT
Phone No.: (435) 888-4415
Fax No.: (435) 888-0407

2. Company** contact for environmental matters:
Darin Olson
Phone no.: ((435) 888-4415
Email: dolson@republicservices.com
*** Company contact only; consultant or independent contractor contact information can be provided in a cover letter*

3. Source name and physical address (if different from above):
Phone no.: ( )
Fax no.: ( )

4. Source Property Universal Transverse Mercator coordinates (UTM), including System and Datum:
UTM:
X: 4,375.24 km Northing
Y: 545.10 km Easting

5. The Source is located in: Carbon County

6. Standard Industrial Classification Code (SIC) 4953

7. If request for modification, AO# to be modified: DAQE # AN0107005-05 DATED: 3 / 16 / 2005

8. Brief (50 words or less) description of process.
Removing various equipment that is no longer in operation and replacing a few currently permitted emission sources with sources with a lower potential to emit emissions (see application text for additional details)

Electronic NOI
9. A complete and accurate electronic NOI submitted to DAQ Permitting Mangers Jon Black (*jlblack@utah.gov*) or Alan Humpherys (ahumpherys@utah.gov) can expedite review process. Please mark application type.

Hard Copy Submittal ☐ Electronic Copy Submittal ☑ Both ☐

Authorization/Signature

I hereby certify that the information and data submitted in and with this application is completely true, accurate and complete, based on reasonable inquiry made by me and to the best of my knowledge and belief.

Signature: D Olson Title: Environmental Manager

Darin Olson Name (Type or print)	Telephone Number: (435) 888-4115 Email: dolson@republicservices.com	Date: 2-14-2020

Form 4
Project Information

Company ECDC Environmental, L.C.

Site East Carbon Landfill

Utah Division of Air Quality
New Source Review Section

AIR QUALITY

Process Data - For Modification/Amendment ONLY

1. Permit Number DAQE-AN0107005-05

If submitting a new permit, then use Form 3

Requested Changes

2. Name of process to be modified/added:

See application text

End product of this process:

See application text

3. Permit Change Type:

	New	Increase*
Equipment	☑	☐
Process	☐	☐

Condition Change No Change

Other

Other

Other

4. Does new emission unit affect existing permitted process limits?

Yes ☐ No ☑

5. Condition(s) Changing:

No Change

6. Description of Permit/Process Change**

See application text for additional information.

7. New or modified materials and quantities used in process. **

Material	Quantity Annually
Not Applicable	

8. New or modified process emitting units **

Emitting Unit(s)	Capacity(s)	Manufacture Date(s)
Dual-walled tank above-ground storage tank for diesel and gasoline	1,500.00	Dec 2015
Diesel Engine to Power a Leachate Pump Engine	34.00	1999
Diesel Engine to Power a Steam Cleaner	17.00	2004
Diesel Engine to Power a 4 Inch Water Pump	28.00	2000
Diesel Engine to Power a Compressor	49.00	2010

**If the permit being modified does not include CO_2e or $PM_{2.5}$, the emissions need to be calculated and submitted to DAQ, which may result in an emissions increase and a public comment period.*

***If additional space is required, please generate a document to accommodate and attach to form.*