



State of Utah

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Lieutenant Governor

Department of
Environmental Quality

Alan Matheson
Executive Director

DIVISION OF WASTE MANAGEMENT
AND RADIATION CONTROL
Rusty Lundberg
Acting Director

MEMORANDUM

TO: File

THROUGH: Deborah Ng, Hazardous Waste Section Manager *DSN*

FROM: Edward G. Costomiris, Environmental Scientist *EGC*

DATE: January 22, 2019

SUBJECT: Response to Comment on Clean Harbors Grassy Mountain Class 3 Permit Modification by the Utah State Historic Preservation Office; Permitting of Six Landfill Cells and Surface Impoundment at the Grassy Mountain Facility
UTD991301748

On December 4, 2018, the Division of Waste Management and Radiation Control received a request from the Utah State Historic Preservation Office (SHPO) regarding the expansion activities at the Clean Harbors Grassy Mountain facility (Grassy Mountain). The request was for a map of the proposed activities, a description of the activities and a description of the activities that had previously occurred at the facility.

The Division responded by providing an aerial view of the facility location, a copy of Chapter 18 of the Tooele County Land Use Ordinance, a copy of the proposed expansion at the facility, and a description of the activities at the facility.

SHPO responded with a letter that confirmed that no historic properties were going to be affected by the continued development at the Grassy Mountain facility.

All documents associated with the SHPO comment have been combined and are found as an attachment to this memo.

Attachment: DSHW-2019-000842

DSHW-2019-000835

195 North 1950 West • Salt Lake City, UT
Mailing Address: P.O. Box 144880 • Salt Lake City, UT 84114-4880
Telephone (801) 536-0200 • Fax (801) 536-0222 • T.D.D. (801) 536-4284
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Edward Costomiris <ecostomiris@utah.gov>

Grassy Mountain Facility - SHPO Consultation

1 message

Elizabeth Hora <ehora@utah.gov>
To: Edward Costomiris <ecostomiris@utah.gov>
Cc: Christopher Merritt <cmerritt@utah.gov>

Tue, Dec 4, 2018 at 2:42 PM

Hi Mr. Costomiris,

The Utah State Historic Preservation Office (SHPO) recently received a letter notifying us of an open public comment period for the Grassy Mountain Facility's expansion. We would like to request more information about this project such as location and area of potential effect.

Typically state agencies consult with our office under U.C.A. 9-8-404, we've been working with several other divisions under DEQ and would like to extend an offer to help guide you through consultation on this undertaking.

Could you please provide us a letter or brief report with the following information:

A map of the proposed activities

A description of project activities (what will occur, and what the spatial extent is)

A description of areas that have been previously disturbed

We can search our records to let your office know if there are archaeological resources or if we suspect there might be a high likelihood of encountering any unknown archaeological deposits. We'd like to help your office comply with U.C.A. 9-8-404 and this seems like an excellent project to work through together.

Please let me know if you have any questions or would like more information,

-Elizabeth

--

Elizabeth Hora
UT-SHPO Cultural Compliance Reviewer
Phone: (801)245-7241
Email: ehora@utah.gov



Edward Costomiris <ecostomiris@utah.gov>

Utah SHPO Decision (Case #18-2695)

1 message

Elizabeth Hora <ehora@utah.gov>

Wed, Dec 5, 2018 at 1:18 PM

To: "ecostomiris@utah.gov" <ecostomiris@utah.gov>

Cc: "cmerritt@utah.gov" <cmerritt@utah.gov>, "dwmrcpublic@utah.gov" <dwmrcpublic@utah.gov>, "dng@utah.gov" <dng@utah.gov>

**A Division of the Department of Heritage and Arts**


Dear Mr Costomiris,

Thank you for submitting your undertaking, "Grassy Mountain Facility, LLC - Class 3 Permit Modification Request, UTD 991301748," to the Utah SHPO via e106. We have reviewed your case and prepared a SHPO letter for your undertaking.

This email is confirmation of receipt, for future correspondence please reference Case Number 12-2018-17341.

Sincerely,
Utah SHPO e106 team

ref:_00D7088Eu._5000g1zskp5:ref

 **18-2695-signed.pdf**
221K



Edward Costomiris <ecostomiris@utah.gov>

Re: Grassy Mountain Facility - SHPO Consultation

1 message

Edward Costomiris <ecostomiris@utah.gov>

Wed, Dec 5, 2018 at 11:21 AM

To: ehora@utah.gov

Cc: cmerritt@utah.gov, Deborah Ng <dng@utah.gov>

Good morning, Elizabeth,

I received your email yesterday and would like to fill in some of the blanks regarding the Clean Harbors Grassy Mountain Facility. The facility has been operating in the West Desert since the mid-1980's. The facility is situated on one square mile identified as Section 16, Township 1 North, Range 12 West.

The facility operates in an area that was identified by Tooele County specifically for hazardous waste industries. Chapter 18 of the Tooele County Land Use Ordinance is attached. 18-1-5(13) of the Ordinance required that hazardous waste facilities conduct an Environmental Impact Statement.

Also attached to this email is a photo taken from Google Earth that shows the Grassy Mountain Facility's geographical location of the eastern edge of the salt flats. Another file is provided to illustrate where the new landfill cells will be located on the Section 16. The last file is a description of the activities at the facility.

I hope that this information is useful. If you have any questions, please give me a call.

Ed Costomiris

Phone: 801.536.0219

UTAH DEPARTMENT of
ENVIRONMENTAL QUALITY
**WASTE MANAGEMENT
& RADIATION CONTROL***Disclaimer:*

Statements made in this email do not constitute the official position of the Director of the Division of Waste Management and Radiation Control. If you desire a statement of the Division Director's position, please submit a written request to Director, Division of Waste Management and Radiation Control, P.O. Box 144880, Salt Lake City, Utah 84114-4880, including copies of documents relevant to your request.

On Tue, Dec 4, 2018 at 2:42 PM Elizabeth Hora <ehora@utah.gov> wrote:

Hi Mr. Costomiris,

The Utah State Historic Preservation Office (SHPO) recently received a letter notifying us of an open public comment period for the Grassy Mountain Facility's expansion. We would like to request more information about this project such as location and area of potential effect.

Typically state agencies consult with our office under U.C.A. 9-8-404, we've been working with several other divisions under DEQ and would like to extend an offer to help guide you through consultation on this undertaking.

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Please let me know if you have any questions or would like more information,




-Elizabeth

--
Elizabeth Hora
UT-SHPO Cultural Compliance Reviewer
Phone: (801)245-7241
Email: ehora@utah.gov

4 attachments



Grassy Mountain Facility - Google Earth.jpg
547K

-  **Tooele County Land Use Ordinance Chapter18.pdf**
122K
-  **Design Engineering Rpt Location.pdf**
807K
-  **Clean Harbors Grassy Mountain Facility Description.pdf**
92K

Grassy Mt. Facility

The photo shows the Grassy Mountain Facility. The facility is one square mile and is located to the south of the Utah Test and Training Range on the east side of the west desert salt flats.



CHAPTER 18

HAZARDOUS WASTE INDUSTRIES

Section

- 18-1-1. Purpose.
- 18-1-2. Prohibitions.
- 18-1-3. Existing permit amendment procedure.
- 18-1-4. Tooele County Environmental Impact Board.
- 18-1-5. EIB action on the Environmental Impact Study.
- 18-1-6. Location criteria emphasis in the EIS.
- 18-1-7. Action of the Board of County Commissioners.

CFR 61.55, such as spent nuclear rods. (Ord.2005-30, 11/22/05)

18-1-3. Existing permit amendment procedure.

(1) Any hazardous industry facility with a Tooele County permit issued before September 26, 2005 may make application to amend its conditional use permit. The amendment shall not be to accept wastes for which the facility is not already approved. An amendment may be made to expand to land adjacent the immediate area utilized in the storage, treatment, and disposal of those approved waste streams at the time the conditional use permit was issued within existing MG-H zoning onto the rest of the property owned in fee title. This provision shall not allow for the purchase of additional property with which to expand, but does allow that all property held at the time the more restrictive ordinance was passed can be used for the intended purpose.

18-1-1. Purpose.

The purposes of Hazardous Industries (MG-H) zoning districts are to provide areas in appropriate remote locations where hazardous and low-level radioactive wastes may be stored, treated, and disposed in a safe manner. The regulations of this district are designed to protect the environmental quality of the district and adjoining areas. (Ord.2005-30, 11/22/05)

(2) An application to amend a conditional use permit shall be submitted with the required fee as established by the Board of County Commissioners. The application fee less the administrative fee portion shall be used by Tooele County to facilitate its review of the proposal and to pay for the expenses it incurs in managing the required Environmental Impact Statement.

18-1-2. Prohibitions.

(1) All activities relating to the storage, treatment, and disposal of hazardous or radioactive wastes are hereby declared to be a public nuisance.

(3) An application shall include a statement of facts that show that there is a national need for the facility and the existing and proposed waste stream of the facility.

(2) The storage, treatment, or disposal of wastes regulated by the laws identified in this Section are prohibited except where application has been made to Tooele County prior to September 26, 2005, leading to a determination which authorizes and permits such uses in an MG-H zoning district and then only upon strict compliance with all industrial performance standards, ordinances, regulations, laws, and permits of Tooele County, the State of Utah, and the United States of America:

(4) The planning commission shall review the application for the conditional use permit amendment in accordance with Chapter 7 of this land use ordinance.

(a) wastes regulated by the Utah Solid and Hazardous Waste Act, Utah Code Annotated 19-6-101, et seq., the Toxic Substance Control Act (TSCA), and the Comprehensive Environmental Response Compensation and Liability Act (CERCLA);

(5) The Environmental Impact Board (EIB) shall be formed by the Board of County Commissioners to review the Environmental Impact Statement (EIS) as outlined in Section 18-5 of this chapter.

(b) low-level or mixed wastes regulated by the Radiation Control Act, Title 19, Chapter 3 of the Utah Code Annotated, or those wastes defined as such in 10 CFR 61.55; and

(6) Upon the conclusion of the study conducted by the planning commission, a recommendation shall be forwarded to the county commission for the conditional use permit amendment along with proposed conditions.

(c) "high level" nuclear wastes which are hotter than class A, B, and C wastes under 10

(7) Upon the conclusion of the study conducted by the EIB, the EIB shall make a recommendation to the county commission for the conditional use permit amendment and proposed conditions that pertain to environmental protection of the site.

(8) The Board of County Commissioners shall review the recommendations of the planning

commission and the EIB and approve or deny the amendment application.

HAZARDOUS WASTE INDUSTRIES

(9) No new MG-H zones shall be created after September 25, 2005. (Ord.2005-30, 11/22/05)

18-1-4. Tooele County Environmental Impact Board.

Upon payment of the application fee, the Board of County Commissioners shall organize an Environmental Impact Board (EIB), consisting of a representative from the Tooele County Department of Engineering, Tooele County Health Department, Tooele County Attorney, and other applicable local, state and federal agencies. The EIB shall be the Environmental Impact Statement (EIS) manager, and shall select a third party consultant by a request for proposal. (Ord.2005-30, 11/22/05)

18-1-5. EIB action on the Environmental Impact Study.

(1) Upon selection of members to the Tooele County Environmental Impact Board, a meeting shall be scheduled between the applicant and the EIB. The Tooele County Department of Engineering shall act as support staff for the EIB.

(2) The EIB shall publish a request for proposal to qualified firms to perform an EIS study of the proposed site in accordance with this chapter. The request for proposal shall have a closing date in which all applicants are to submit their proposals to the department of engineering.

(3) The EIB shall review the proposals along with the applicant and choose the person or firm that is best qualified at a reasonable price as the EIS contractor.

(4) The study shall use the funds submitted as the application fee to begin the study less the administrative fee portion. When a firm is selected and a contract signed by all parties, the applicant shall make deposit of funds with Tooele County to cover the cost of the contract plus ten percent, before the contract is consummated with the consultant and any further action ensues.

(5) Upon payment by the applicant of the fees, the contractor shall then enter into a contract with Tooele County to perform the EIS study.

(6) With the exception of any portion of the fees that are non-refundable, all amounts not expended by Tooele County shall be reimbursed to applicant. If the County's costs of reviewing and managing the EIS exceed the initial fee, a change order shall be made to the contract and the applicant shall remit to the County such additional amounts as are necessary to cover the entire expenses incurred by the County. (Ord.2005-30,

11/22/05)

18-1-6. Location criteria emphasis in the EIS.

All hazardous and low-level radioactive waste industries regulated under Section 17-3 of the Tooele County Land Use Ordinance shall be located in those areas allowed by Tooele County's General Plan, as amended by the Hazardous Waste Corridor, and shall conform to the stricter of the following location standards or those promulgated by the State of Utah Solid and Hazardous Waste Committee:

(1) The facility shall not be established or constructed in a wetland as defined by the Army Corp of Engineers under Section 404 of the Clean Water Act or in the recharge zone of an aquifer.

(2) The facility shall not be established in a 100 year flood plain. This information may be obtained from 100 year flood plain maps or other supportive documents.

(3) For protection of waters of the State, the following factors shall be considered:

(a) The distance from waters of the State so that an unintentional release or discharge of hazardous waste will not contaminate such waters.

(b) Hydro geological characteristics of the site and surrounding land, i.e., soil type, groundwater table, geology, topography, etc.

(c) The quantity, quality, and direction of flow of groundwater.

(d) Proximity to and withdrawal rates from nearby wells. Consultation with public water suppliers and State Engineer's office.

(e) Availability of alternative water supplies.

(4) Consideration must be given to the type and permeability of the soil and depth to bedrock at the proposed site.

(5) The facility shall not be established, constructed, or operated on an active Holocene Fault or within a recognized zone of deformation along that fault.

(6) Transportation routes to the site must be addressed. The following items shall be considered:

(a) methods by which wastes will be transported to and from the site;

(b) the types of roads that will provide

(c) the extent to which weather renders such roads hazardous;

(d) the accident rates to determine if routes are above or below the average for a similar type road;

HAZARDOUS WASTE INDUSTRIES

e) the number of residential, school, and hospital structures along access routes;

f) safety, noise, and traffic disruption; and

(g) the number of intersections per linear mile between the entrance of a facility and the nearest arterial highway.

(7) The location of facilities shall avoid watershed management areas and agricultural lands that are available for crop production.

(8) The location of facilities shall comply with State and Federal Wildlife Regulations.

(9) Historical significance of the location and aesthetics, including visual and noise level aspects, shall be considered. Natural areas designated as having county, state, regional, or national significance due to their recreational, historical, educational, aesthetic value, or importance as a natural resource or a value to the economy shall be avoided.

(10) The economic and environmental impact of the proposed facility upon local government, adjacent to, or within which, the facility is proposed for location shall be considered.

(11) Compatibility with current land use plans shall be considered, to include the following:

(a) Existing land use adjacent to and in the general area of the site. No facility shall be located closer than five miles from any existing dwelling.

(b) Areas with existing compatible industrial development and areas that are planned or zoned for hazardous industrial development.

(c) Densities of population near proposed site.

(12) Any exception to these guidelines will be considered by the planning commission and the county commission on a case by case basis. The following shall be considered in granting an exception to the foregoing provisions:

(a) protection of public health and the environment;

(b) type of hazardous waste activity, whether it is treatment, storage, or disposal;

(c) type and volumes of hazardous wastes to be managed; and

(d) other information that may be submitted or required.

(13) Environmental Impact Statement (EIS): Each facility shall be reviewed on its own site specific merits by means of an **environmental impact** statement conforming to and including all elements required under the National Environmental Policy Act (NEPA) for natural and

human resources, and shall address in detail each of the following items:

(a) Mining Claims and Natural Resources, Surface Water (Flood and Erosion), Aquatic Species, Natural Hazards, Groundwater, Air Quality, Rare Plants, Wilderness, Wildlife, Geology.

(b) Closure and Post-Closure Assurances, Description of Wastes, Treatments and processes, Monitoring and Quality Assurance, Infrastructure (Utilities and Services), Public Finance and Services, Public Safety and Emergency, Employment and Labor Force, Paleontological Resources, Grazing and Agriculture, Construction Resources, Economic Feasibility, Response Services, Health Services, Quality of Life, Transportation, Archeological, Evaporation, Population, Recreation, Education, Earnings, Land Use, Housing, Energy.

(14) The analysis of impacts under this section may be more or less intensive than that required by other permitting agencies, i.e., the EPA Toxic Substance Control Act (TSCA) review and Utah Department of Health Resource Conservation and Recovery Act (RCRA) review. The principal objective of these requirements shall be to identify and quantify those impacts that affect the local community and units of government. (Ord.2005-30, 11/22/05)

18-1-7. Action of the Board of County Commissioners.

(1) The Board of County Commissioners shall take into consideration the recommendations of the planning commission and the environmental impact board in making a decision to amend a conditional use permit.

(2) Each applicant for a facility shall demonstrate its financial capability to construct, operate, and properly close the facility to the satisfaction of the County, together with a demonstration of the need for such a facility to be located within Tooele County. Financial statements shall be submitted for the business, together with a list of its financial supporters. Statements showing the cost estimates for construction, first year of operation, and closing costs shall be submitted with financial statements.

Need shall be demonstrated by evidence that the proposed facility has a proven market including information on the source, quantity, hazard potential of waste stream, and a review of other existing and proposed commercial facilities regionally and nationally that would also provide a

HAZARDOUS WASTE INDUSTRIES

means of disposal materials, and why Tooele County should host those wastes as opposed to other locales.

(3) No facility shall be permitted until such time as a properly executed and binding impact mitigation agreement and bond is accepted by the Board of County Commissioners. Prior to the execution of such an agreement, the applicant shall identify, with the concurrence of Tooele County, the impacts that the proposed facility will have upon Tooele County, and will submit a plan to mitigate such impacts. All amendments to the use permits authorized under this section or other sections dealing with the MG-H zone shall also be reviewed and approved by the Board of County Commission.

(4) All hazardous waste facilities shall comply with the Utah State Solid and Hazardous Waste Act and other applicable state and federal regulations pertaining to the siting of such facilities. Failure to do so will be just cause for the revocation of the conditional use permit.
(Ord.2005-30, 11/22/05)



ENVIRONMENTAL SERVICES, INC.

GRASSY MOUNTAIN FACILITY LANDFILL CELLS 8-13 PERMIT DRAWINGS

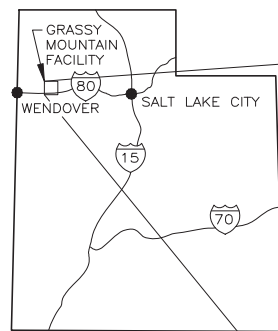
FACILITY LOCATION

KNOLLS, UTAH
Phone: (435) 884-8900

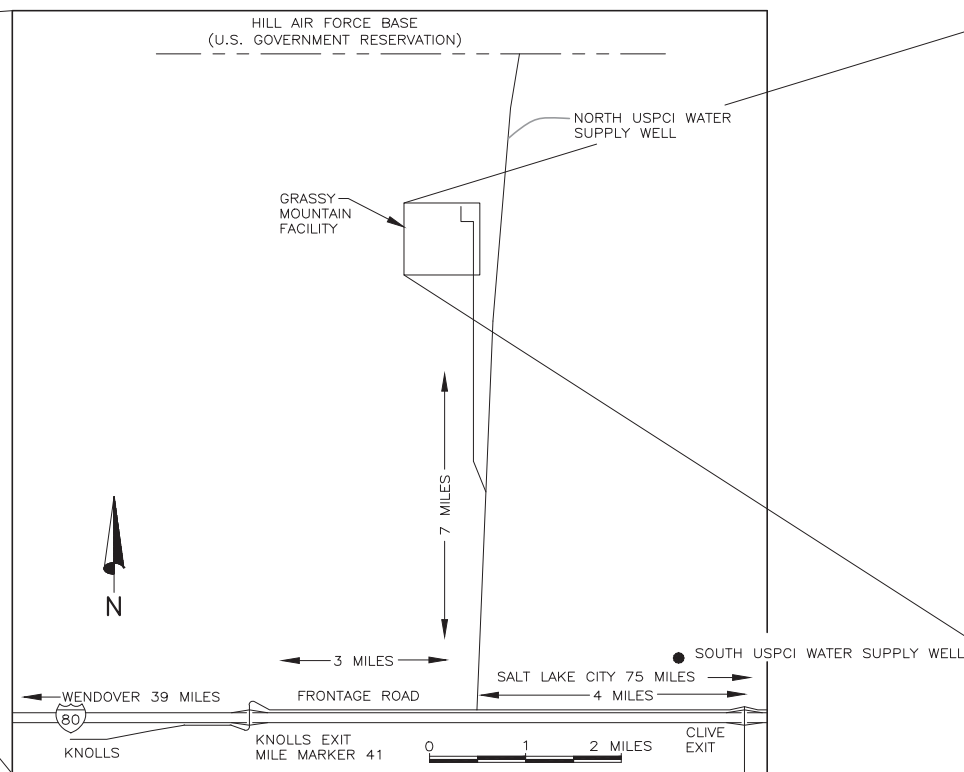
AUGUST 2018 REV 1

REGIONAL HEADQUARTERS

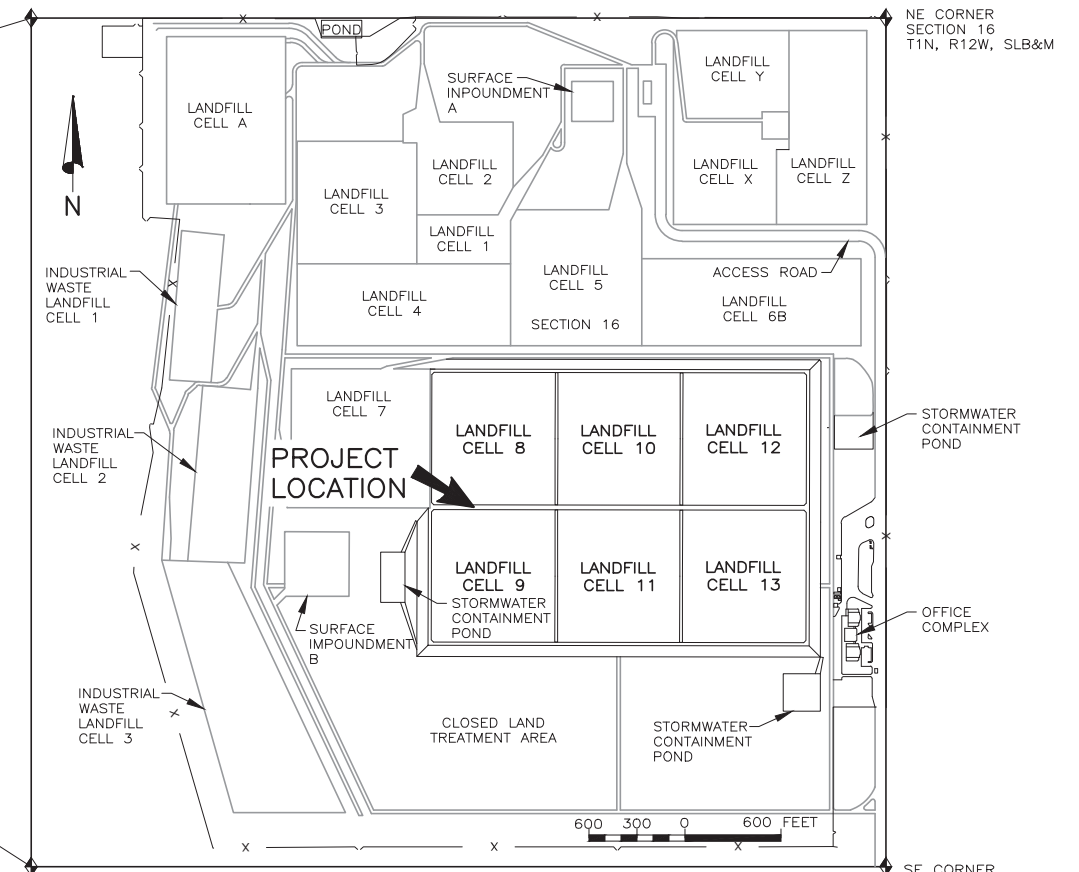
42 LONGWATER DRIVE
NORWELL, MA 02061
Phone: (781) 792-5000



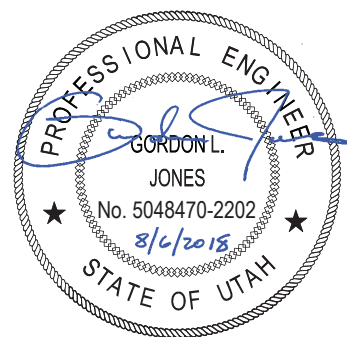
STATE OF UTAH



VICINITY MAP



PROJECT LOCATION



FILE NAME: PROJECTS\064 - CLEAN HARBORS\85.100 - CELL 8 AND 9 DESIGN\CAD\WORKING\G-1 COVER_R1.DWG
FILE DATE: 8.6.2018 10:40:54 (CAH)



CONSULTANTS
ENGINEERS
Salt Lake City
Utah

CLEAN HARBORS GRASSY MOUNTAIN FACILITY DESCRIPTION

Clean Harbors Grassy Mountain, LLC is a subsidiary of Clean Harbors, Inc., which is headquartered in Norwell, Massachusetts. The Facility is located approximately 80 miles west of Salt Lake City, Utah, in the Great Salt Lake Desert.

The Grassy Mountain Facility obtained its State of Utah-issued Part B operating permit on June 30, 1988. The Utah Department of Environmental Quality's Division of Solid and Hazardous Waste (DSHW) reissued the Permit on May 2, 2001 and September 28, 2012. The DSHW merged with the Division of Radiation Control on July 1, 2015 and is now known as the Division of Waste Management and Radiation Control. The Facility received TSCA approval from the U.S. EPA Region 8 office in December 1985. The Approval was most recently reissued in June 2014.

The Facility receives both TSCA and RCRA waste streams in small containers and in bulk transportation vehicles. Small containers arrive in van trailers and are managed in the Container Management Building, more commonly known as the Drum Dock. PCB containers can also be stored in the PCB Storage Building, but this building is generally used for the draining and flushing of transformers. Bulk waste streams arrive in road tankers, end dumps, roll-off boxes, intermodal containers and gondolas.

RCRA bulk liquid and sludge shipments are solidified and treated, if necessary, in the Stabilization Tanks prior to placement in a cell. If, upon arrival, a waste stream meets the Land Disposal Restriction (LDR) standards, as specified in R315-268 of the Utah Administrative Code, bulk RCRA solid waste streams are directly disposed of in RCRA Cell 7 or a cell permitted to receive both RCRA and TSCA waste streams, Cell B/6. Waste streams that do not meet the LDR standards are treated in the Stabilization Tanks prior to disposal. Following treatment, a sample is taken for analysis to verify that the LDR standards have been achieved. If the LDR standards are not met, treatment is repeated. While awaiting the confirmatory analytical data, the treated waste is placed on a plastic liner in Cell 7. If the analytical results indicate that the waste meets the treatment standards, the waste is disposed. Approximately 95% of all waste treated meets the LDR standards following the first treatment procedure.

Soils contaminated with only PCBs are directly disposed of in TSCA Cell Z or in Cell B/6, which can receive RCRA, TSCA, and waste streams that have both RCRA and TSCA constituents. Transformers and capacitors are transferred to the PCB Storage Building. There, transformers are drained of the PCB fluid and flushed with fuel oil. The PCB oil and the contaminated fuel oil generated from the flushing process are pumped into one of two 3000 gallon PCB storage tanks located in the PCB Storage Building. When a sufficient volume is in storage, the PCB contaminated oil is shipped to the Clean Harbors Aragonite Facility where the waste is incinerated. All solid PCB items (i.e. transformer carcasses, capacitors and other solid articles) contaminated with PCBs are disposed of in a TSCA-authorized cell after having absorbent added to the article. Drummed PCB waste streams may be stored in the PCB Storage Building or the Drum Dock prior to treatment and/or disposal.

Currently, the Facility has three operating landfill cells. The cells and their respective regulatory program authorizations are as follows:

Table 1 – Current Operating Cells and Associated Authorization

Cell Identification	Authorization
7	RCRA
B\6 ¹	RCRA\TSCA
Z	TSCA
¹ On August 31, 2005, Cell B authorization changed from TSCA only to RCRA\TSCA and was re-designated as Cell B\6.	

Closure has been completed and certified for the following cells at the Grassy Mountain Facility.

Table 2 – Closed Cells and Associated Authorization

Cell Identification	Authorization
1	RCRA
2	RCRA
3	RCRA
4	RCRA
5	RCRA
IWC 1	Subtitle D ¹
IWC 2	Subtitle D ¹
Cell X	TSCA
Cell Y	TSCA
¹ Due to the unintentional disposal of hazardous waste in this cell, the cell was closed as a RCRA hazardous waste cell.	

A Coordinated Approval was issued to Clean Harbors Grassy Mountain, LLC in October 2005. The Coordinated Approval, and a permit modification approved by the Executive Secretary of the Utah Solid and Hazardous Waste Control Board (now Director of the Division of Waste Management and Radiation Control), incorporated the requirements of the management of PCBs in the PCB Storage Facility, PCB Tank Farm and Cell B/6 into the State of Utah-issued Part B Permit.

There are two cells at the Facility that were constructed, but never put into use. These include Industrial Waste Cell (IWC) 3 and Cell A, a TSCA cell. The north berm of Cell A developed a fissure prior to the review of the construction documentation by EPA and was not authorized for use. The fissure developed due to the differential settling of the north berm of the cell. Clean Harbors had indicated in the past that they were considering trying to have Cell A certified for use, but have since submitted a Class 3 permit modification request to approve the building of Surface Impoundment B and Landfill Cells 8 through 13. Clean Harbors is evaluating the clay liner in Cell A for use in the new construction. The area where the new units will be built is located to the south of Cells 7, 5 and B/6 in the former land treatment area.

IWC 3 was built and permitted for use as a Subtitle D landfill, but was never used. The Grassy Mountain Facility has let the solid waste permit status lapse on Cell IWC 3 and it, therefore, is no longer permitted. At this time, the liner system is in a state of disrepair. Clean Harbors is planning on characterizing the material used in the berm of IWC 3 as material for use in the construction Surface Impoundment B and Cell 8.

In August 2016, Clean Harbors contracted with AGEK to bore eight geoprobe holes south of Cells 5 and B/6. Six were bored to 100 feet and two were 40 feet in depth. The goal of the geotechnical study was to gather additional information that will be used in the construction of new landfills and surface impoundments. A modified Design Engineering Report for the new surface impoundment and landfill cells was submitted for review in August 2018.

The next step in preparing the new area for the construction of the new surface impoundment and the new landfill cells was the installation of seven new groundwater monitoring wells. In July 2017, Clean Harbors, with oversight provided by Cameron-Cole, drilled seven new groundwater monitoring wells (MWs). Drilling was conducted by Cascade Drilling. Three of the new MWs are located in proximity of the yet to be constructed surface impoundment and four will serve as leak detection wells adjacent to sumps of the yet-to-be-constructed landfill cells. Eight quarters of groundwater sampling are required prior to getting authorization to use new surface impoundment and hazardous waste disposal cells. Five quarters of water samples have already been collected.

As noted above, Clean Harbors is currently investigating the possibility of using the berm material from IWC-3 for construction of the new surface impoundments and Cell 8. They are also evaluating the possible use of clay used in the construction of Cell A, another unused cell at the Facility.



Edward Costomiris <ecostomiris@utah.gov>

Re: Grassy Mountain Facility - SHPO Consultation

1 message

Elizabeth Hora <ehora@utah.gov>

Wed, Dec 5, 2018 at 1:12 PM

To: Edward Costomiris <ecostomiris@utah.gov>

Cc: Christopher Merritt <cmerritt@utah.gov>, dng@utah.gov

Hi Ed,

Thank you, that information was extremely useful! It looks as though all the proposed activities will take place within an already disturbed area on old playa. Although there are archaeological resources nearby that have been listed on the National Register of Historic Places (e.g. the Hastings Cutoff and the Gapa Missile Launch site), these don't seem likely to be impacted by any additional activity at the Grassy Mountain Facility.

It's a little odd that the county wants you to complete a NEPA EIS for an undertaking that doesn't have any federal connections that I see, but sometimes counties can be a little odd. In this case although you're conducting a NEPA analysis you don't technically need to consult with our office under the National Historic Preservation Act (NHPA), but we do need to complete U.C.A. 9-8-404 consultation still. The information you've provided me will satisfy the 9-8-404 requirements. In your NEPA document you will probably want to include information about the NRHP-listed historic properties nearby and our office can help you with that, if you would like.

As a next step (and final step if you so choose) I'll draft a letter that ends the consultation process in U.C.A. 9-8-404. You can add this letter to your records, and to your EIS if you like (it's not a requirement). As an optional step, if you would like additional advice to complete the county-mandated EIS we're happy to find a way to assist.

Thanks so much!

-e

On Wed, Dec 5, 2018 at 11:22 AM Edward Costomiris <ecostomiris@utah.gov> wrote:

Good morning, Elizabeth,

I received your email yesterday and would like to fill in some of the blanks regarding the Clean Harbors Grassy Mountain Facility. The facility has been operating in the West Desert since the mid-1980's. The facility is situated on one square mile identified as Section 16, Township 1 North, Range 12 West.

The facility operates in an area that was identified by Tooele County specifically for hazardous waste industries. Chapter 18 of the Tooele County Land Use Ordinance is attached. 18-1-5(13) of the Ordinance required that hazardous waste facilities conduct an Environmental Impact Statement.

Also attached to this email is a photo taken from Google Earth that shows the Grassy Mountain Facility's geographical location of the eastern edge of the salt flats. Another file is provided to illustrate where the new landfill cells will be located on the Section 16. The last file is a description of the activities at the facility.

I hope that this information is useful. If you have any questions, please give me a call.

Ed Costomiris

Phone: 801.536.0219



UTAH DEPARTMENT of
ENVIRONMENTAL QUALITY
**WASTE MANAGEMENT
& RADIATION CONTROL**

Disclaimer:

Statements made in this email do not constitute the official position of the Director of the Division of Waste Management and Radiation Control. If you desire a statement of the Division Director's position, please submit a written request to Director, Division of Waste Management and Radiation Control, P.O. Box 144880, Salt Lake City, Utah 84114-4880, including copies of documents relevant to your request.

On Tue, Dec 4, 2018 at 2:42 PM Elizabeth Hora <ehora@utah.gov> wrote:

Hi Mr. Costomiris,

The Utah State Historic Preservation Office (SHPO) recently received a letter notifying us of an open public comment period for the Grassy Mountain Facility's expansion. We would like to request more information about this project such as location and area of potential effect.

Typically state agencies consult with our office under U.C.A. 9-8-404, we've been working with several other divisions under DEQ and would like to extend an offer to help guide you through consultation on this undertaking.

Could you please provide us a letter or brief report with the following information:

A map of the proposed activities

A description of project activities (what will occur, and what the spatial extent is)

A description of areas that have been previously disturbed

We can search our records to let your office know if there are archaeological resources or if we suspect there might be a high likelihood of encountering any unknown archaeological deposits. We'd like to help your office comply with U.C.A. 9-8-404 and this seems like an excellent project to work through together.

Please let me know if you have any questions or would like more information,

-Elizabeth

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Elizabeth Hora
UT-SHPO Cultural Compliance Reviewer
Phone: (801)245-7241
Email: ehora@utah.gov

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Elizabeth Hora
UT-SHPO Cultural Compliance Reviewer
Phone: (801)245-7241
Email: ehora@utah.gov



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

Jill Remington Love
Executive Director
Department of
Heritage & Arts



Don Hartley
Director
State Historic Preservation Officer

December 5, 2018

Scott T. Anderson
Director
Utah Division of Waste Management and Radiation Control
195 North 1950 West
P.O. Box 144880
Salt Lake City, Utah 84114

RE: Grassy Mountain Facility, LLC - Class 3 Permit Modification Request, UTD 991301748

For future correspondence, please reference Case No. 18-2695

Dear Mr Anderson,

The Utah State Historic Preservation Office received your request for our comment on the above-referenced undertaking on December 05, 2018. From the information you provided, it appears that no cultural resources were located in the undertaking's Area of Potential Effects. We concur with your determination of No Historic Properties Affected for this undertaking.

Utah Code 9-8-404(1)(a) denotes that your agency is responsible for all final decisions regarding cultural resources for this undertaking. Our comments here are provided as specified in U.C.A. 9-8-404(3)(a)(i). If you have questions, please contact me at (801)245-7241 or by email at ehora@utah.gov.

Sincerely,

Elizabeth Hora
Cultural Compliance Reviewer