

ROCKWOOD RECYCLING - MURFREESBORO TRANSFER STATION

TriAD Project No.: 18-ROC01-01

Prepared for:



**Rockwood Recycling, LLC.
P.O. Box 998
Lebanon, Tennessee 37088**

Prepared by:

**TriAD Environmental Consultants, Inc.
207 Donelson Pike
Nashville, Tennessee 37214**

March 25, 2019

Rockwood Recycling - Murfreesboro Transfer Station

In accordance with Rule 0400-11-01-.02(2)(a)5, TriAD Environmental Consultants, Inc., (TriAD) has prepared this narrative description on behalf of Rockwood Recycling, LLC., to address the Permit-By-Rule requirements for the proposed Rockwood Recycling – Murfreesboro transfer station to be located at 5042 Old Nashville Highway in Murfreesboro, Rutherford County, Tennessee. The transfer station will be co-located with Vulcan Materials on an approximate 53-acre property within a former rock quarry in the southeast portion of the property. The transfer station will receive and consolidate non-hazardous solid waste from approved third-party and/or contracted waste collection and hauling trucks. As designed, third-party and/or contracted waste haulers will enter the facility through a gated, private entrance. Trucks will then be weighed at the scale house prior to unloading onto the concrete floor inside the transfer station building. Upon unloading, waste will be loaded and compacted in tractor-trailers for offsite transfer to a permitted, Class I landfill or other permitted waste disposal facility (e.g., energy recovery, etc.). Drawings depicting the proposed transfer station layout are provided in Attachment B.

According to Rule 0400-11-01-.02(2)(a)5, a transfer station shall be deemed to have a Permit-by-Rule if the following conditions are met:

- i. The operator complies with the notification requirements of Part 2 of this subparagraph;**

The notification is provided as Attachment A.

- ii. The facility is constructed, operated, maintained, and closed in such a manner as to minimize:**

- (I) The propagation, harborage, or attraction of flies, rodents, or other disease vectors;**

The facility will be operated to minimize the holding time of incoming waste thereby reducing the potential for the propagation, harborage, or attraction of flies, rodents, or other disease vectors. Incoming waste will be housed within the enclosed transfer station building prior to offsite transfer. Upon receipt, waste will be promptly transferred to a permitted, offsite landfill. An exterminator will be utilized as necessary for vector control.

- (II) The potential for explosions or uncontrolled fires;**

No burning or incineration of waste will be conducted at the facility. Incoming waste will be visually monitored during transfer to identify

smoldering or potentially explosive waste materials. Any smoldering or potentially explosive materials identified will immediately be segregated from the waste. The transfer station building will be equipped with a fire suppression/sprinkler system and fire extinguishers will be stationed at key locations throughout the facility.

(III) The potential for releases of solid wastes or solid waste constituents to the environment except in a manner authorized by state and local air pollution control, water pollution control, and/or waste management agencies; and

The facility will be operated in accordance with applicable state regulations to minimize the potential for a release of solid wastes or solid waste constituents. Waste will be unloaded directly into the enclosed building to prevent contact with storm water. Windblown material will be collected on a daily basis. Leachate will be collected within the transfer building via a series of floor and trench drains and be pumped to an onsite leachate collection tank(s). Alternatively, upon approval from the local sanitary sewer service provider and construction of the necessary infrastructure, leachate may be pumped directly to the sanitary sewer. The facility will obtain a NPDES Industrial Stormwater General Permit and operate in accordance with a site-specific Storm Water Pollution Prevention Plan (SWPPP) to minimize potential pollutant impacts to the storm water.

(IV) The potential for harm to the public through unauthorized or uncontrolled access;

The facility will not be open to the public. Unauthorized access at the facility will be restricted by 6-foot chain link security fence located around the perimeter of the facility. Locking gates will be utilized to prevent access to the facility during non-standard business hours.

iii. The facility has an artificial or natural barrier which completely surrounds the facility and a means to control entry, at all times, through the gate or other entrances to the facility;

A 6-foot chain link security fence will be constructed around the perimeter of the facility. Locking gates will be utilized to prevent access to the facility during non-standard business hours.

iv. The facility, if open to the public, has clearly visible and legible signs at the points of public access which indicate the hours of operation, the general types of waste materials that either will or will not be accepted, emergency

telephone numbers, schedule of charges (if applicable), and other necessary information;

The facility will not be open to the public; a highly visible and legible “No Trespassing” sign will be posted at the facility entrance gate.

- v. Trained personnel are always present during operating hours to operate the facility;**

Trained personal will always be present during operating hours to operate the facility.

- vi. The facility has adequate sanitary facilities, emergency communications (e.g., telephone), and shelter available for personnel;**

Sanitary facilities, (i.e., toilet, handwashing facilities) will be provided either within the scale house, a restroom constructed within the transfer station building, or within an onsite modular office building. All operators and supervisor(s) will be required to have a mobile communication device such as a radio or mobile phone with them at all times. A telephone capable of notifying the appropriate authorities in the event of an emergency will be located within both the scale house and transfer station building. Shelter for transfer station personnel will either be provided within either the scale house or an onsite modular office building.

- vii. The facility’s access road(s) and parking area(s) are constructed so as to be accessible in all weather conditions;**

Facility access roads and parking areas will be constructed of asphalt, concrete, or gravel pavement and maintained to be accessible in all weather conditions.

- viii. Except for composting facilities utilizing landscaping and land clearing wastes only, all waste handling (including loading and unloading) at the facility is conducted on paved surfaces;**

All waste handling (including loading and unloading) at the facility will be conducted on concrete pavement within the transfer station building.

- ix. There is no storage of solid wastes at the facility except in the containers, bins, lined pits or on paved surfaces, designated for such storage;**

There will be no storage of solid wastes at the facility with the exception of waste materials within the transfer station building or loaded waste transport trucks awaiting transport to a permitted, offsite landfill. Waste will not be stored on the tipping floor overnight when the facility is closed. If the facility is operated 24 hours a day, no waste will be stored on the tipping floor for a period of longer than 24 hours.

As market conditions allow, recyclables (cardboard, metal, etc.) may be segregated from the waste and stored in containers, designated for such storage, within paved portions of the facility.

- x. **Except for incinerators or energy recovery units, there is no burning of solid wastes at the facility;**

No burning or incineration of solid waste will be conducted at the facility.

- xi. **There is no scavenging of solid wastes at the facility and any salvaging is conducted at safe, designated areas and times;**

Scavenging of solid wastes will not be allowed at the facility. Scavenging activities will be prevented during non-business hours by the perimeter security fence and locking gates.

- xii. **Wind dispersal of solid wastes at or from the facility is adequately controlled, including the daily collection and proper disposal of windblown litter and other loose, unconfined solid wastes;**

Wind dispersal of solid wastes will be controlled by the transfer station building. Windblown litter and other loose, unconfined solid wastes will be picked up daily.

- xiii. **All liquids which either drain from solid wastes or are created by washdown of equipment at the facility go to either:**

(I) **A wastewater treatment facility permitted to receive such wastewaters under T.C.A. §§ 69-3-101 et seq. (Tennessee Water Quality Control Act, or**

(II) **Other methods approved by the Commissioner**

Washdown of facility equipment will be confined to within the transfer station building. A series of floor and trench drains within the building drains will collect all liquids from within the transfer station building and associated waste handling areas. Collected liquids will be pumped to an onsite collection tank(s), equipped with secondary containment, prior to disposal at a permitted offsite wastewater treatment facility.

- xiv. **The facility receives no special wastes unless:**

(I) **Such receipt has been specifically approved in writing by the Department, and**

(II) Special procedures and/or equipment are utilized to adequately confine and segregate the special wastes;

No special wastes will be accepted at the facility unless specific approval in writing has been obtained from the Tennessee Division of Solid Waste Management (TDSWM). Special procedures and/or equipment required to adequately confine and segregate special wastes will be detailed in any special approval requests.

- xv. The operator can demonstrate, at the request of the Commissioner, that alternative arrangements (e.g., contracts with other facilities) for the proper processing or disposal of the solid wastes this facility handles are available in the event his facility cannot operate;**

In the event that the facility cannot operate, waste will be transferred to either the Middle Point Landfill in Murfreesboro, Tennessee or the Cedar Ridge Landfill in Lewisburg, Tennessee.

- xvi. The facility has properly maintained and located fire suppression equipment (e.g., fire extinguishers, water hoses) continuously available in sufficient quantities to control accidental fires that may occur;**

The transfer station building will be equipped with a fire suppression/sprinkler system. Fire extinguishers will be stationed at key locations throughout the facility. All fire suppression equipment will be appropriately designed and properly maintained to be continuously available in the event of a fire. At a minimum the fire suppression/sprinkler system will be inspected on an annual basis; fire extinguishers will be inspected on a monthly and annual basis as required.

- xviii. The facility is finally closed by removal of all solid wastes and solid waste residues for proper disposal. The operator must notify the Division Director in writing of his completion of closure of the facility. Such notification must include a certification by the operator that the facility has been closed by removal of all the solid waste and residues. Within 21 days of the receipt of such notice the Division Director shall inspect the facility to verify that closure has been completed. Within 10 days of such verification, the Commissioner shall approve the closure in writing to the operator. Closure shall not be considered final and complete until such approval has been made.**

At final closure, all solid wastes and solid waste residues will be transported to a permitted, offsite landfill for proper disposal. Rockwood Recycling will notify the Division Director in writing upon completion of closure activities, including certification that the facility has been closed by the removal of all solid waste and residues. Closure will not be considered final until TDSWM approval for the completed closure activities has been received.

- xix. New solid waste processing facilities shall not be located in wetlands, unless the owner or operator makes the applicable demonstrations to the Commissioner as referenced at subparagraph (2)(p) of Rule 0400-11-01- .04**

The facility will not be located within or adjacent to wetlands. The proposed facility will be located within a former quarry that is being filled with soil and rock fill in accordance with an existing State of Tennessee, Aquatic Resource Alteration Permit (NRS No. 16.097). A copy of the U.S. Fish & Wildlife Service, National Wetlands Inventory (NWI) map of the site is provided in Attachment C.

- xx. The facility must not be located in a 100-year floodplain unless it is demonstrated to the satisfaction of the Commissioner that:**

- (I) Location in the floodplain will not restrict the flow of the 100-year flood nor reduce the temporary water storage capacity of the floodplain.**

As depicted on the Federal Emergency Management Agency (FEMA), Flood Insurance Rate Maps for Rutherford County, Tennessee (Map No.: 47149C0140H), the proposed facility is not located in a 100-year floodplain. A copy of the FEMA Flood Insurance Rate Map of the site is provided in Attachment C.

- (II) The facility is designed, constructed, operated, and maintained to prevent washout of any solid waste.**

As detailed in Sections ii.III and viii, the facility will be designed, constructed, operated, and maintained to prevent the washout of any solid waste.

- xxi. The facility does not:**

- (I) Cause or contribute to the taking of any endangered or threatened species of plants, fish, or wildlife; or**

The proposed facility will be located within a former quarry that is being filled with soil and rock fill. The facility will not cause or contribute to the taking of any endangered or threatened species of plants, fish, or wildlife.

- (II) Result in the destruction or adverse modification of the critical habitat of endangered or threatened species.**

The facility will not result in the destruction or adverse modification of the critical habitat of endangered or threatened species. The U.S. Fish & Wildlife Service has identified a total of 7 threatened, endangered, or

candidate species that may occur in or may be affected by the proposed development. Given the location of the proposed facility within a former quarry that is being filled with soil and rock fill, habitat for the identified threatened and endangered species is not present at the site. Additionally, no critical habitats are located within the proposed project area. A copy of the U.S. Fish & Wild Life Service species list for the site is provided in Attachment C.

- xxiv. The owners or operators proposing a new solid waste processing facility that handles putrescible wastes located within 10,000 feet (3,048 meters) of any airport runway end used by turbojet aircraft or within 5,000 feet (1,524 meters) of any airport runway end used only by piston-type aircraft must include in the permit-by-rule notification a demonstration that the facility does not pose a bird hazard to aircraft. The owners or operators proposing a new solid waste processing facility that handles putrescible wastes located within a five-mile radius of any airport runway end used by turbojet or piston-type aircraft must notify the affected airport and the appropriate Federal Aviation Administration (FAA) office.**

The nearest airport is the Murfreesboro Municipal Airport located approximately 19,000 feet east/southeast of the proposed facility.

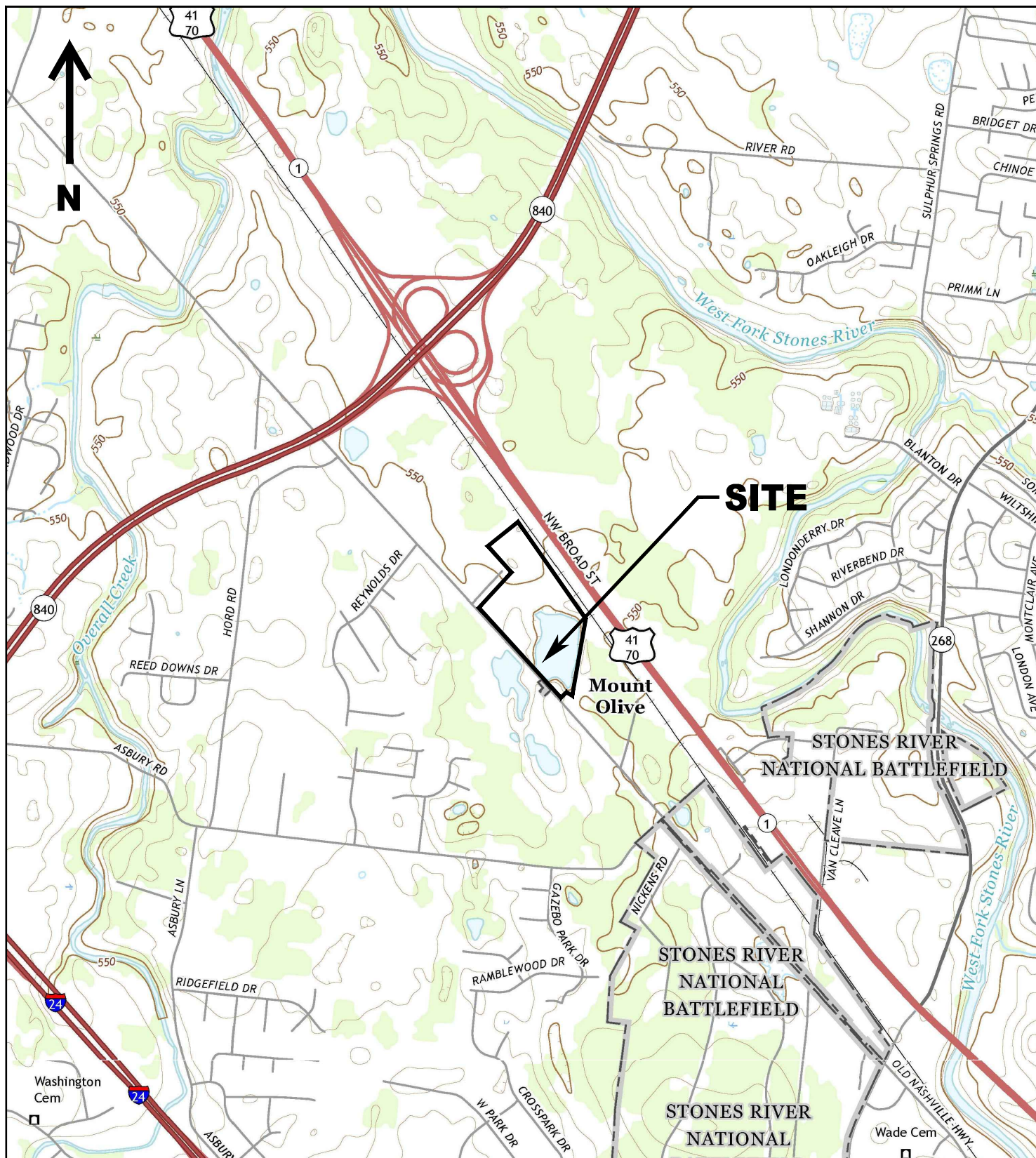
ATTACHMENT A
NOTIFICATION



STATE OF TENNESSEE
DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF SOLID WASTE MANAGEMENT
WILLIAM R. SNODGRASS TENNESSEE TOWER
312 ROSA L. PARKS AVENUE, 14TH FLOOR
NASHVILLE, TN 37243

SOLID WASTE PERMIT BY RULE NOTIFICATION

1. TYPE OF PERMIT- BY- RULE REQUESTED				ID# TDEC USE ONLY	
<input type="checkbox"/> COMPOST FACILITY	<input type="checkbox"/> LAND APPLICATION	<input type="checkbox"/> TIRE STORAGE FACILITY			
<input type="checkbox"/> CONVENIENCE CENTER	<input type="checkbox"/> PROCESSING FACILITY	<input checked="" type="checkbox"/> TRANSFER STATION			
2. FACILITY INFORMATION				FACILITY LOCATION COUNTY	
FULL LEGAL NAME OF FACILITY				Rutherford	
Rockwood Recycling - Murfreesboro Transfer Station				LATITUDE (DECIMAL DEGREES)	
PHYSICAL LOCATION OR ADDRESS OF FACILITY				35.8919 N	
CITY				LONGITUDE (DECIMAL DEGREES)	
5042 Old Nashville Highway				86.4424 W	
STATE				ZIP	
TN				37129	
FACILITY MAILING ADDRESS				FACILITY EMAIL	
1401 Toshiba Dr.				Lebanon TN 37087	
FACILITY MANAGER OR SITE OPERATOR		PHONE (WITH AREA CODE)	AFFILIATION OF SITE OPERATOR (IF DIFFERENT FROM PERMITTEE)		
Lincoln Young		6154172938			
3. APPLICANT (PERMITTEE)					
APPLICANT NAME		PHONE (WITH AREA CODE)	EMAIL		
Rockwood Recycling, LLC		6154172938	lincoln@rockwoodrecycling.com		
RESPONSIBLE OFFICIAL / TITLE		PHONE (WITH AREA CODE)	EMAIL		
Lincoln Young, Facility Manager		6154172938	lincoln@rockwoodrecycling.com		
RESPONSIBLE OFFICIAL MAILING ADDRESS		CITY	STATE	ZIP	
1401 Toshiba Dr.		Lebanon	TN	37087	
LANDOWNER NAME	LANDOWNER MAILING ADDRESS	CITY	STATE	ZIP	
Premier Leasing	1401 Toshiba Dr	Lebanon	TN	37087	
→  CEO		LANDOWNER SIGNATURE		DATE	
LANDOWNER SIGNATURE		LANDOWNER SIGNATURE		3/25/2019	
4. WASTE HANDLING					
DESCRIPTION OF ACTIVITIES AND WASTES HANDLED OR PROCESSED		AMOUNT OF WASTE HANDLED, PROCESSED OR STORED			
Receipt of non-hazardous solid waste from third-party and/or contracted waste haulers prior to the consolidation and transport to a permitted		1000		4500	
		WEIGHT TONS / DAY	VOLUME YARDS / DAY	STORAGE MAX CU YARDS	
5. CERTIFICATION REQUIRED					
I certify under penalty of law that this document and all attachments were prepared by me, or under my direction or supervision. The submitted information 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. As specified in Tennessee Code Annotated Section 39-16-702(a)(4), this declaration is made under penalty of perjury.					
		Lincoln Young			
SIGNATURE OF RESPONSIBLE OFFICIAL		PRINTED NAME			
Division Manager		3/25/2019			
TITLE		DATE			
		11-7-21			
SIGNATURE OF NOTARY		DATE COMMISSION EXPIRES			
(NOTARY SEAL)					



SOURCE: USGS 7.5-MINUTE WALTERHILL AND MURFREESBORO, TENNESSEE QUADRANGLES 2016

PREPARED BY:



TriAD ENVIRONMENTAL CONSULTANTS, INC.
Suite 200, 207 Donelson Pike, Nashville, TN 37214
615-889-6888 fax 615-889-4004

FIGURE 1: VICINITY MAP

5042 OLD NASHVILLE HIGHWAY
MURFREESBORO, TENNESSEE

DWG. DATE: 01/24/19

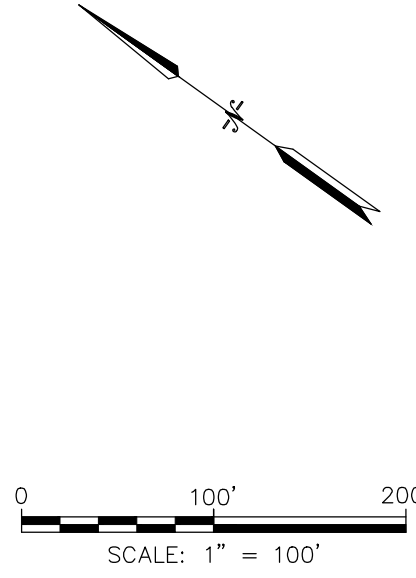
PROJECT NO.: 18-ROC01-01

SCALE: 1:24,000

SHEET 1 OF 1


ATTACHMENT B
FACILITY LAYOUT

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- LEGEND**
- PROPERTY BOUNDARY
 - EDGE OF ROAD
 - - - - - PROPOSED FENCE
 - PROPOSED BUILDING
 - PROPOSED ASPHALT
 - PROPOSED CONCRETE
 - VEGETATED AREA

- NOTES**
1. AERIAL IMAGE OBTAINED FROM GOOGLE EARTH, DATED APRIL 19, 2018.
 2. PROPERTY BOUNDARY OBTAINED FROM DRAWING TITLED, "PROPOSED SITE, GROUND UP RECYCLING," BY SITE ENGINEERING CONSULTANTS. LOCATION IS APPROXIMATE
 3. FORMER QUARRY TO BE FILLED UNDER EXISTING STATE OF TENNESSEE AQUATIC RESOURCE ALTERATION PERMIT (NRS NO. 16.097).




ENVIRONMENTAL CONSULTANTS, INC.
Suite 200, 207 Duane Street, Nashville, TN 37214
615-889-6866 fax 615-889-4004

NO.	DATE	BY	REVISION

CONCEPTUAL TRANSFER STATION LAYOUT

ROCKWOOD RECYCLING, INC.
MURFREESBORO, TENNESSEE



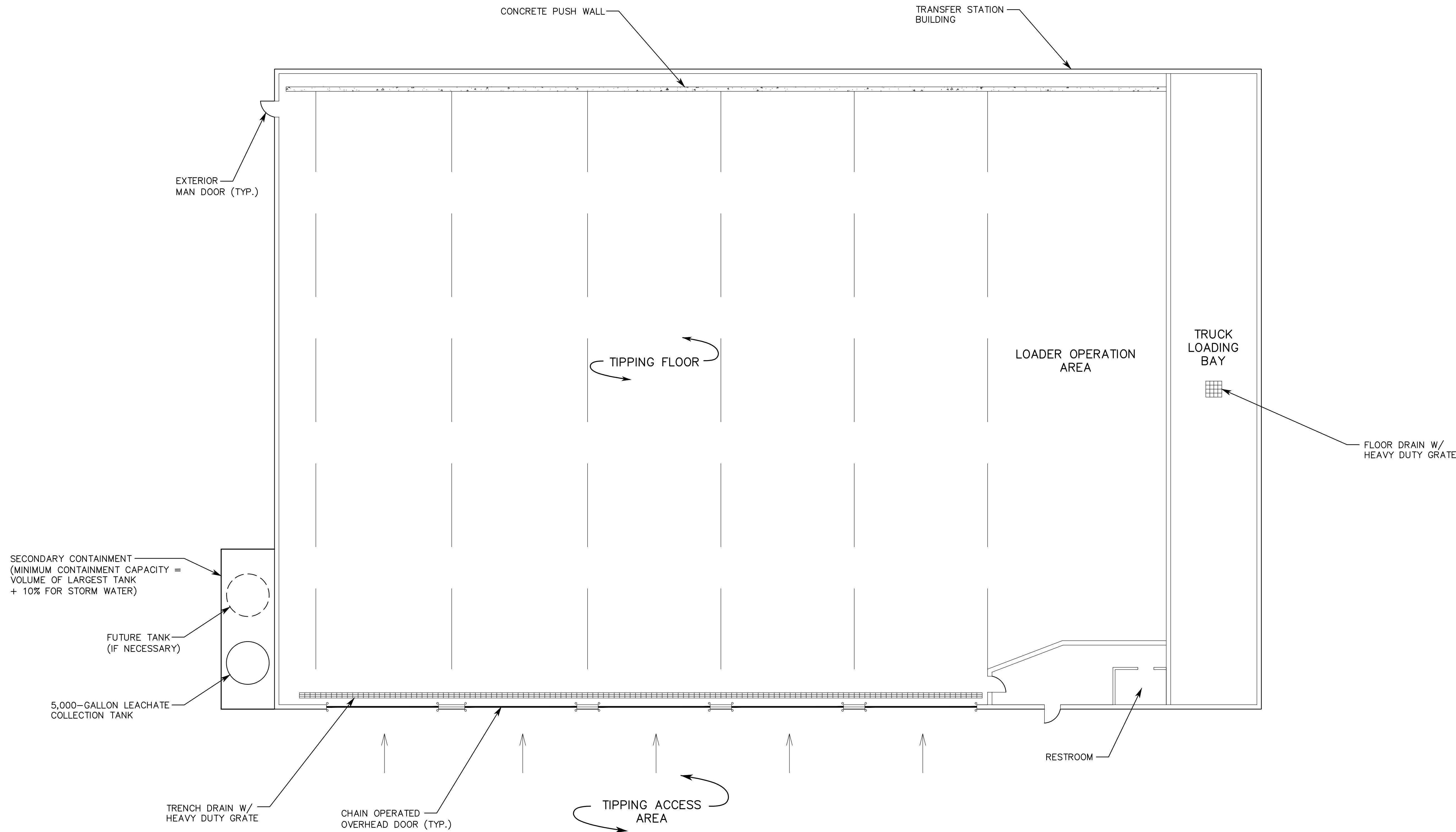
ROCKWOOD
RECYCLING

DWN BY: ALW
CHK BY: JEB
DATE: 03/26/19
SCALE: 1"=100'
PROJ. NUMBER:
18-RO03-01

FIGURE

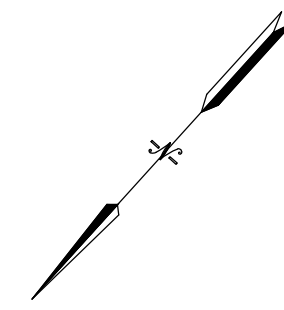
2

N:\Jobs\Rock\Drawings\TRANSFER STATION BUILDING LAYOUT.dwg SAVED: 3/26/2019 8:31 AM PLOTTED: 3/26/2019 BY: AWATTS



FLOOR PLAN

SCALE: 1" = 10'



NO.	REVISION	BY	DATE

ATTACHMENT C
SUPPLEMENTAL INFORMATION



U.S. Fish and Wildlife Service

National Wetlands Inventory


Rockwood Recycling



U.S. Fish and Wildlife Service, National Standards and Support Team,
wetlands_team@fws.gov

December 20, 2018

Wetlands

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



35°53'47.84"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

USGS The National Map: Orthoimagery. Data refreshed October, 2017.

35°53'18.69"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/20/2018 at 11:08:30 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



United States Department of the Interior

FISH AND WILDLIFE SERVICE
Tennessee Ecological Services Field Office
446 Neal Street
Cookeville, TN 38501-4027
Phone: (931) 528-6481 Fax: (931) 528-7075



In Reply Refer To:
Consultation Code: 04ET1000-2019-SLI-0244
Event Code: 04ET1000-2019-E-00632
Project Name: Rockwood Recycling

February 26, 2019

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Tennessee Ecological Services Field Office

446 Neal Street

Cookeville, TN 38501-4027

(931) 528-6481

Project Summary

Consultation Code: 04ET1000-2019-SLI-0244

Event Code: 04ET1000-2019-E-00632

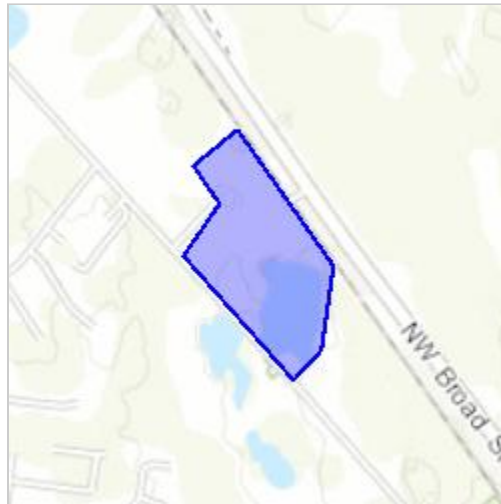
Project Name: Rockwood Recycling

Project Type: ** OTHER **

Project Description: Rockwood Recycling

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/35.89283961970635N86.4439856796981W>



Counties: Rutherford, TN

Endangered Species Act Species

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Gray Bat <i>Myotis grisescens</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6329	Endangered
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Clams

NAME	STATUS
Littlewing Pearlymussel <i>Pegias fabula</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2572	Endangered

Flowering Plants

NAME	STATUS
Braun's Rock-cress <i>Arabis perstellata</i> There is final critical habitat for this species. Your location is outside the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/4704	Endangered
Guthrie's (=pyne's) Ground-plum <i>Astragalus bibullatus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1739	Endangered
Leafy Prairie-clover <i>Dalea foliosa</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5498	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.
