



Solid Waste Management Facility Landfill Mining Application Form

New Permit Permit Modification

I. FACILITY INFORMATION

A. Facility Location										Permit No. SWP	
Facility Name:											
Address:											
City:				State:				Zip:			
Latitude:		Deg		Min		Sec North					
Longitude:		Deg		Min		Sec West					
B. Facility Contact Information											
Contact Person:						Title:					
Contact Phone:						E-mail:					
Owner						Operator:					
Address:						Address:					
City:		State:		Zip:		City:		State:		Zip:	

II. LANDFILL INFORMATION

A. Facility Type and Capacity										
Facility Type to be Mined:		<input type="checkbox"/> Sanitary Landfill			<input type="checkbox"/> CDD Landfill			<input type="checkbox"/> Landfill closed prior to Dec. 21, 1988		
Total Property Acreage:		acres			Facility Boundary:		acres			
WMB Acreage:		acres			Elevations:		Current Elevation:		ft AMSL	
LFMUB Acreage:		acres					Excavation Grade:		ft AMSL	
Total Capacity:		cubic yards			Proposed Capacity to Mine:			cubic yards		
B. Siting Assessment										
Answer the following questions by entering "yes", "no", or a numeric response, as applicable.										
1. Is the landfill mining unit boundary (LFMUB) located in a 100 year flood plain?										
2. Is the LFMUB located in a geologically stable area?										
3. The following distances are the shortest measured distances from the LFMUB or leachate storage area and must be reported in feet										
a. Distance to any residence, school, daycare center, hospital, nursing home or recreational park area in existence at the time of application										
i. Residence										
ii. School										
iii. Daycare center										
iv. Hospital										
v. Nursing home										
vi. Recreational park area										
b. Distance from any perennial stream or river										
c. Distance from the Facility Boundary										

d. Distance from any well, spring or other ground water source of drinking water in existence at the time of application	
e. Distance from the nearest edge of the right-of-way of any interstate or primary highway	
f. Distance from the nearest edge of right-of-way of any other highway or city street	
4. Is the landfill located in a park or recreational area, wildlife management area or area designated by the federal or state agency as the critical habitat of any endangered species?	
5. Groundwater monitoring	
a. Does the facility have the ability to conduct groundwater monitoring in accordance with 9 VAC 20-81-250?	
b. Does the facility have the ability to characterize the rate and direction of ground water flow within the uppermost aquifer?	
c. Does the facility have the ability to characterize and define any releases from the landfill so as to determine what corrective actions are necessary?	
d. Does the facility have the ability to perform corrective action as necessary?	
<p>Stamp Professional Geologist or Professional Engineer in space provided, meaning to the best of my knowledge, information and belief, the answers to question #5 are, in my professional opinion, in compliance with applicable laws, codes, and ordinances.</p>	
6. Is the LFMUB located in a tidal or nontidal wetland? (Yes or No)	
a. If the answer to #6 is "yes" list the total number of nontidal wetland acres to be impacted:	
7. Additional restrictions for sanitary LFMUBs:	
a. Distance to existing surface or ground water public water supply intake or reservoir that are downgradient of the LFMUB (in miles):	
b. Distance to existing surface or ground water public water supply intake or reservoir that are upgradient of the LFMUB (in miles):	
c. Is the LFMUB located in an area vulnerable to flooding caused by dam failures?	
d. Is the LFMUB located over a sinkhole or within 100 feet of a solution cavern associated with karst topography?	
e. Is the LFMUB located over a fault that has had displacement in Holocene time?	
f. Distance from a fault that has had displacement in Holocene time (in feet):	
g. Is the LFMUB located within a seismic impact zone?	
h. Distance from any airport runway end used by turbojet or piston-type aircraft:	

III. LANDFILL MINING APPLICATION ATTACHMENTS

The following items shall be provided as an attachment to this form, and will constitute the facility's Permit or Permit Modification Application. Please indicate whether each item is 'provided' or 'not applicable' to the proposed facility or facility modification.	Provided	N/A
A. Notice of Intent	<input type="checkbox"/>	<input type="checkbox"/>
1. Area and Site Location Maps	<input type="checkbox"/>	<input type="checkbox"/>
2. Disclosure Statement	<input type="checkbox"/>	<input type="checkbox"/>
3. Local Government Certification	<input type="checkbox"/>	<input type="checkbox"/>
4. State Corporation Commission Certification	<input type="checkbox"/>	<input type="checkbox"/>
B. Siting Assessment	<input type="checkbox"/>	<input type="checkbox"/>
1. Key Map	<input type="checkbox"/>	<input type="checkbox"/>
2. Near Vicinity Map	<input type="checkbox"/>	<input type="checkbox"/>
3. Documentation of legal control	<input type="checkbox"/>	<input type="checkbox"/>
4. VDOT Adequacy Report	<input type="checkbox"/>	<input type="checkbox"/>
C. Operating Plan	<input type="checkbox"/>	<input type="checkbox"/>
D. Design Plans	<input type="checkbox"/>	<input type="checkbox"/>
E. Site Monitoring Plan(s)	<input type="checkbox"/>	<input type="checkbox"/>
1. Leachate Management	<input type="checkbox"/>	<input type="checkbox"/>
2. Landfill Gas Management	<input type="checkbox"/>	<input type="checkbox"/>
3. Odor Management	<input type="checkbox"/>	<input type="checkbox"/>
4. Groundwater Monitoring	<input type="checkbox"/>	<input type="checkbox"/>
5. Stormwater Discharge Monitoring	<input type="checkbox"/>	<input type="checkbox"/>
F. Closure Plan	<input type="checkbox"/>	<input type="checkbox"/>
G. Cost Estimate & Financial Assurance Mechanism	<input type="checkbox"/>	<input type="checkbox"/>
H. Permit Fee specified under 9 VAC 20-90	<input type="checkbox"/>	<input type="checkbox"/>
I. Variance Petition in accordance with 9 VAC 20-81-760 If provided, please indicate the regulatory citation for variance: _____	<input type="checkbox"/>	<input type="checkbox"/>

IV. RESPONSIBLE OFFICIAL SIGNATURE

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete.

Name:	Title:
Signature:	Date:

Instructions for Completing DEQ Form LFMINE

DEQ Form LFMINE is required for all applicants seeking a permit or permit modification to perform landfill mining of an existing solid waste disposal unit(s). These instructions are designed to assist solid waste management facilities with the completion of this form. The descriptions below are listed in the order as they appear on DEQ Form LFMINE.

New Permit vs. Permit Modification:

Check only one box. Check 'New Permit' box if this application is proposing to mine a facility whose permit was previously terminated or revoked. Check 'Permit Modification' box if this application is for a major permit modification, as defined under 9 VAC 20-81-600.F.3.

I. FACILITY INFORMATION

A. Facility Location

Permit No. SWP: If the application is for a new permit, leave this box blank. DEQ will assign a number to the facility. If the application is for a Permit Modification, please indicate the SWP number assigned to the facility.

Facility Name: Enter the name of the facility as it should appear or as it currently appears on the existing SWP.

Address, City, State, and Zip: Provide the street address of the facility's physical location (may be Rural Route/Box No. if 911 address is not available).

Latitude/Longitude: Provide coordinates in degrees-minutes-seconds indicating the facility's location.

B. Facility Contact

Contact Name, Title, Phone Number, and Email: Provide contact information for the person responsible for preparing the permit application. This person should be associated with the facility named. DEQ will consider the person listed as the main contact for correspondence relating to the permit application.

Owner Name, Address, and Phone: Provide name, address, and phone number of the legal owner of facility. Owner listed shall match SCC documentation provided with the NOI, if applicable.

Operator Name, Address, and Phone: Provide name, address, and phone number of the operator of facility, if different from the owner. Operator listed shall match SCC documentation provided with the NOI, if applicable.

II. LANDFILL INFORMATION

A. Facility Type and Capacity

Facility Type to be Mined: Check the appropriate box(es) for the type(s) of solid waste disposal unit(s) to be mined.

Total Property Acreage: Provide the total property acreage owned by the Owner listed where the facility is located.

Facility Boundary: Provide the total acreage designated as the facility boundary. The facility boundary shall encompass the waste management boundary and all ancillary activities including, but not limited to scales, groundwater monitoring wells, gas monitoring probes, and maintenance facilities. The acreage provided should match the acreage provided in the Part A Permit, if applicable.

Waste Management Boundary (WMB) Acreage: Provide the total acreage designated as the waste management unit boundary. This value should match the waste management boundary acreage as defined in the facility's Part A Permit, if applicable. Otherwise, the acreage provided should equal the acreage defined in accordance with 9 VAC 20-81-35 for existing facilities permitted prior to March 15, 1993.

Landfill Mining Unit Boundary (LFMUB) Acreage: Provide the total acreage designated as the landfill mining unit boundary. As defined in guidance memo LPR-SW-2013-02, the "Landfill mining unit boundary" or "LFMUB" means

the vertical plane located at the edge of the landfill mining activity. The LFMUB must encompass all excavation, waste storage and salvaging operations and be positioned within or coincident to the waste management boundary.

Elevations:

Current Elevation: Indicate the maximum elevation of waste in place. This value may differ from the permitted landfill maximum elevation defined in the facility's Part A Permit, if applicable, or the elevation established pursuant to 9 VAC 20-81-35.

Excavation Grade: Indicate the anticipated maximum elevation of the landfill once wastes have been excavated in accordance with the proposed plan. If the excavation will remove the landfill, this value should indicate the original lowest elevation of the base grades as defined in the facility's Part A Permit, if applicable, or based historical knowledge of the site.

Total Capacity: Indicate the total capacity of waste in place. This value may differ from the permitted landfill capacity, as landfill mining may be proposed prior to the landfill reaching its permitted capacity.

Proposed Capacity to Mine: Indicated the proposed capacity of the existing waste in place to be mined.

B. Siting Assessment

Answer questions 1 through 7.h. as appropriate. Keep in mind that all landfill mining activities to include excavated waste processing and storage shall occur within the proposed LFMUB (which shall be within or coincident to the permitted waste management boundary). Answers to questions in this section shall consider the distances between the landfill mining unit boundary and the receptor identified.

III. LANDFILL MINING APPLICATION ATTACHMENTS

This list acts as a checklist for the landfill mining permit application. Please indicate whether the attachment is provided with the application. There are instances where some of the application attachments are not applicable to a proposed facility. In these instances, please mark 'N/A.' Details on each of the attachments can be found in Guidance Memo LPR-SW-2013-02, DEQ Submission Instruction No. 27, and 9 VAC 20-81-385.

If a Variance Petition is included with the application, indicate the regulatory citation for each variance requested.

IV. RESPONSIBLE OFFICIAL SIGNATURE

This form must be signed by a responsible official. A responsible official is defined in the Virginia Solid Waste Management Regulations (9 VAC 20-81-10) as:

- “1. For a business entity, such as a corporation, association, limited liability company, or cooperative: a duly authorized representative of such business entity if the representative is responsible for the overall operation of one or more operating facilities applying for or subject to a permit. The authority to sign documents must be assigned or delegated to such representative in accordance with procedures of the business entity;
2. For a partnership or sole proprietorship: a general partner or the proprietor, respectively; or
3. For a municipality, state, federal, or other public agency: a duly authorized representative of the locality if the representative is responsible for the overall operation of one or more operating facilities applying for or subject to a permit. The authority to sign documents must be assigned or delegated to such representative in accordance with procedures of the locality.”