| Logo for the Virginia Department of Environmental Quality | Solid Waste Disposal Facility  Part B Application Form, DEQ Form SW PTB |
| --- | --- |

Please specify, is this application for a  New Facility or  Part B Modification

# FACILITY INFORMATION

## Facility Location

**Facility Name:**       **Permit No. SWP**

**Location Address:**

**City, State, Zip:**

**Latitude:** Deg  Min  Sec North **Longitude:** Deg  Min  SecWest

## Facility Contact Information

**Contact Person:**       **Contact Title:**

**Contact Phone:**       **Contact E-mail:**

**Owner:**       **Operator:**

**Mailing Address:**       **Mailing Address:**

**City, State, Zip:**       **City, State, Zip:**

# OPERATIONAL INFORMATION

## Solid Waste Disposal Facility Information

**Facility Type:** Choose an item. **If other, specify:**

**Total Property Acreage:**       acres **Facility Boundary:**       acres

**Disposal Unit Boundary Acreage:**       acres **Total Capacity:**       cubic yards

**Daily Disposal Limit:**       tons/day **Estimated Site Life:**       years

**Hours of Operation:**

## Types of Wastes to Accepted (check all that apply)

Agricultural Waste  Debris Waste  Municipal Solid Waste

Animal Carcasses  Demolition Waste  Scrap Metal

Asbestos, friable  Fossil Fuel Combustion Products  Single Stream Recyclables

Asbestos, non-friable  Household Hazardous Waste  Sludge, industrial

Ash, non CCB/FFCP  Household Waste  Sludge, POTW

Coal Combustion Residuals (CCR)  Industrial Waste  Vegetative Waste

Commercial Waste  Institutional Waste  Waste Tires, Storage:       cy

Construction Waste  Liquid Waste  White Goods

Contaminated Soil

Other Wastes, please list:

## Alternate Cover Materials

Does this facility use or propose to use alternate cover materials?  Yes  No

If yes list material(s):

## Solid Waste Management Activities (check all that apply)

Convenience Center

Household Hazardous Waste Collection

Landfill Mining

Material Salvage

Mulching

Open Burning

Tire Processing (Chipping, Shredding, etc)

Other, Please list:

# DESIGN INFORMATION

## Landfill Design

**Sanitary Landfill Options**

Subtitle D Liner (9 VAC 20-81-130.J.1.a.)

FML/GCL Liner (9 VAC 20-81-130.J.1.b.)

Alternate Liner (9 VAC 20-81-130.J.1.c.)

**CDD Landfill, Industrial Landfill, and Surface Impoundment Options**

Compacted Clay (9 VAC 20-81-130.J.2.a.)

Synthetic Liner (9 VAC 20-81-130.J.2.b.)

Alternate Liner (9 VAC 20-81-130.J.2.c.)

In-Place Soil (9 VAC 20-81-130.J.2.d.)

Double Liner (9 VAC 20-81-130.J.2.e.)

Composite Liner (40 CFR 257.70(b))

Alternative Composite Liner (40 CFR 257.70(c))

## Final Cover Design

Standard Final Cover (9 VAC 20-81-160.D.2.c.)

Sanitary Landfill Alternate (9 VAC 20-81-160.D.2.d.)

CDD/Industrial Landfill Alternate (9 VAC 20-81-160.D.2.e.)

Additional Alternate (9 VAC 20-81-160.D.2.f.)

CCR Final Cover (40 CFR 257.102(d)(3)(i))

CCR Alternate Final Cover (40 CFR 257.102(d)(3)(ii))

Professional Geologist or ProfessionalEngineer Certification: To the best of my knowledge, information and belief, the selected landfill liner and final cover designs are, in my professional opinion, suitable for the above named facility based on site specific conditions and engineering principles. The designs proposed in the following Attachments are in compliance with applicable laws, codes, and ordinances. (Stamp, sign, and date in space to right)

## Leachate Management (check all that apply)

Leachate Recirculation

Discharged directly to WWTP

Treated onsite and discharged

Transported by vehicle to offsite WWTP

Other method

## Research, Development, and Demonstration Plans

Does this application include a Research, Development, and Demonstration Plan?  Yes  No

If yes, please select the type of activity proposed under the RDD Plan (check all that apply):

The addition of liquids in addition to leachate and gas condensate from the same landfill for accelerated decomposition of the waste mass.

Allowing run-on water to flow into the landfill waste mass.

Allowing testing of the construction and infiltration performance or alternative final cover systems.

Other measures to be taken to enhance stabilization of the waste mass.

## Variances

Does this application include a variance request(s) to regulatory siting requirements?  Yes  No

If yes, list regulatory citation(s):

# PART B APPLICATION ATTACHMENTS

The following items shall be provided as an attachment to this form and will constitute the facility’s Solid Waste Part A Permit application. Please indicate whether each item is ‘included’ for the proposed facility or facility modification.

| **Solid Waste Permit Part B Application Attachments** | **Included?** |
| --- | --- |
| Attachment I: Notice of Intent |  |
| Attachment II: VDOT Adequacy Report and Approval Letter (if increasing daily disposal limit) |  |
| Attachment III: Design Plans |  |
| Attachment IV: Closure Plan |  |
| Attachment V: Post-Closure Plan |  |
| Attachment VI: Design Report |  |
| Attachment VII: Construction Quality Assurance (CQA) Plan and Technical Specifications |  |
| Attachment VIII: Leachate Management Plan |  |
| Attachment IX: Landfill Gas Plans |  |
| Attachment X: Groundwater Monitoring Plan |  |
| Attachment XI: Groundwater Corrective Action Plan |  |
| Attachment XII: Financial Assurance Documentation |  |
| Attachment XIII: Special Waste Documentation |  |
| Attachment XIV: Alternate Liner Demonstration |  |
| Attachment XV: Laboratory Test Results Documenting Permeability of In-Place Soils |  |
| Attachment XVI: Alternate Final Cover Demonstration |  |
| Attachment XVII: Research, Development, and Demonstration Plan |  |

# PART B APPLICATION FEE

Applicants for new permits and major permit modifications must submit the applicable permit fee under the provisions of [9VAC20-90](https://law.lis.virginia.gov/admincode/title9/agency20/chapter90/). The Regional Office staff can assist with determining the appropriate major modification permit fee if needed. The application fee should be submitted in the form of a check, draft, or postal money order made payable to the Treasurer of Virginia for the required Part A permit application fee. Permit application fees should be mailed to:

DEQ Accounts Receivable

P.O. Box 1104

Richmond, Virginia 23218.

Copy of the check (with account and routing numbers blacked out), draft, or postal money order is included with the permit application submitted to the DEQ Regional Office.

# 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.

SIGNATURE: DATE:

NAME:

TITLE:

Instructions for Completing DEQ Form SW PTB

DEQ Form SW PTB is required for all applicants seeking a Part B solid waste permit or those wishing to modify an existing Part B permit by a major or minor permit modification. These instructions are designed to assist facilities with the completion of this form. The descriptions below are listed in the order as they appear on DEQ Form SW PTB.

**New Facility vs. Part B Modification:**

Check only one box. Check 'New Facility' box if this application is for a new facility, i.e. one that has not previously been issued a Part B Permit. Check 'Part B Modification' box if this application is for a major or minor permit modification, as defined in Table 5.2 under 9 VAC 20-81-600.

# FACILITY INFORMATION

## Facility Location

**Facility Name:**

Enter the name of the facility as it should appear or as it currently appears on the existing DEQ Part B Permit.

**Permit No.**

Indicate the 3-digit number assigned to the facility. The permit number is usually written as SWP###.

**Facility Type:**

Use the drop down menu to select the type of disposal facility to be operated at this facility. Options include Sanitary Landfill, CDD Landfill, Industrial Landfill, and Surface Impoundment.

**Address, City, State, 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 representative latitude and longitude coordinates in degrees, minutes, seconds format for the facility.

## Facility Contact Information

**Contact Name, 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, City, State, Zip:**

Provide name and mailing address of the legal owner of facility. Owner listed shall match SCC documentation provided with the NOI, if applicable.

**Operator Name, Address, City, Sate, Zip:**

Provide name and mailing address of the operator of facility, if different from the owner. Operator listed shall match SCC documentation provided with the NOI, if applicable.

# OPERATIONAL INFORMATION

## Solid Waste Disposal Facility Information

**Total Property Acreage:**

Provide the total property acreage owned by the Owner listed where the facility is located. The property acreage should be equal to or greater than the facility boundary acreage. The acreage provided should match the acreage provided in the Part A Permit, if applicable.

**Facility Boundary Acreage:**

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.

**Disposal Unit Boundary:**

Provide the total acreage for all disposal units located within the facility boundary. The disposal unit acreage should be less than or equal to 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. For facilities requesting to expand (i.e. increase the disposal unit boundary), provide the proposed disposal unit boundary acreage in this box.

**Total Capacity:**

Specify, in cubic yards, the maximum permitted volume of solid waste, inclusive of daily and intermediate cover, that can be disposed within the total disposal unit boundary acreage. For facilities requesting to increase the capacity of an existing disposal unit(s), indicate the proposed capacity in this box.

**Daily Disposal Limit:**

Indicate the amount of solid waste that can be disposed at the facility during any operating day. This value shall correspond with information provided with the Part A Application, if applicable. For facilities seeking to increase the daily disposal limit, provide the proposed disposal limit in this box and provide VDOT approval in Attachment II as indicated on this form.

**Estimated Site Life:**

Indicate the estimated life of the landfill in years based on the total capacity and daily disposal limit.

**Hours of Operation:**

Specify the facility’s hours of operation for all days of the week.

## Types of Wastes to be Accepted

Mark all wastes that the facility anticipates accepting for disposal or management on site. Definitions for each waste type can be found in the Virginia Solid Waste Management Regulations (9 VAC 20-81-10 *et seq.*).

## Alternate Cover Materials

Indicate whether alternate cover materials are currently in use and/or proposed for use with this application. If so, indicate which alternate cover materials are proposed.

In accordance with 9 VAC 20-81-140.B.1.c., **sanitary landfills** may use alternate materials of an alternate thickness (also called alternate daily cover) if it has been demonstrated that the alternate daily cover “controls disease vectors, fires, odors, blowing litter, and scavenging without presenting a threat to human health and the environment” and the alternate daily cover has department approval. For sanitary landfills using or proposing to use alternate daily cover, list all current materials being used and any proposed materials to be used on this form.

New materials proposed for use will be reviewed by the Department first, and if acceptable, the facility will be granted a demonstration period to prove the material’s effectiveness. At the end of the demonstration period, the facility will need to submit a report detailing the effectiveness of the proposed alternate daily cover in order for the department to consider formal approval.

**CDD landfills** proposing to use alternate progressive cover in lieu of compacted soil cover as prescribed in 9 VAC 20-81-140.C.1.b. will need to submit a variance request as outlined in 9 VAC 20-81-720 and 9 VAC 20-81-760. For industrial landfills proposing to use alternate progressive cover with this application, indicate the requested variance in the appropriate box on DEQ Form SW PTB.

In accordance with 9 VAC 20-81-140.D.1.d., **industrial landfills** may use alternate cover material in lieu of compacted soil for intermediate cover if it has been demonstrated that the material will be protective of public health and the environment and has department approval. For industrial landfills using or proposing to use alternate intermediate cover, list all current materials being used and any proposed materials to be used on this form. Approval of proposed materials will follow the same procedures as those outlined in the second paragraph pertaining to sanitary landfills.

## Solid Waste Management Activities

Indicate all solid waste management activities that are located within the facility boundary. Definitions for each of the solid waste management activities listed can be found in the Virginia Solid Waste Management Regulations (9 VAC 20-81-10 *et seq.*).

# DESIGN INFORMATION

## Liner Design

Check all applicable liner designs. Details on each liner specified can be found at the citations provided in the Virginia Solid Waste Management Regulations.

## Final Cover Design

Check all applicable final cover designs. Details on each cover design specified can be found at the citations provided in the Virginia Solid Waste Management Regulations.

## Leachate Management

Check all applicable leachate management options.

## Research Development and Demonstration Plan

Indicate whether an RDD Plan is included with the application. If so, indicate which activities are proposed in the RDD Plan.

## Variances

Indicate whether any variance requests are included with the application. If so, indicate the regulatory citations for each variance requested.

# Part B Application Attachments

Permit applications shall include the attachments as indicated. Details on each of the attachments can be found in the DEQ Submission Instructions.

# Responsible Official Signature:

The 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 *et seq.*) 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.”