Guidance

August 2025

Online Services – Solid Waste Permitting & Approvals Guide

Step-by-step instructions for solid waste permit and approval submittals.

MINNESOTA POLLUTION CONTROL AGENCY

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This report is available in alternative formats upon request, and online at www.pca.state.mn.us.

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Contents

Introduction

This service is designed to replace the current paper application forms for solid waste permits and approvals. This includes individual permits, permit-by-rules, notices of coverage under the general permit, case-specific beneficial use determinations, and demonstration/research projects. This is the first of several releases. Future releases will enhance these services and add more services, such as reporting, planning, and notifications.

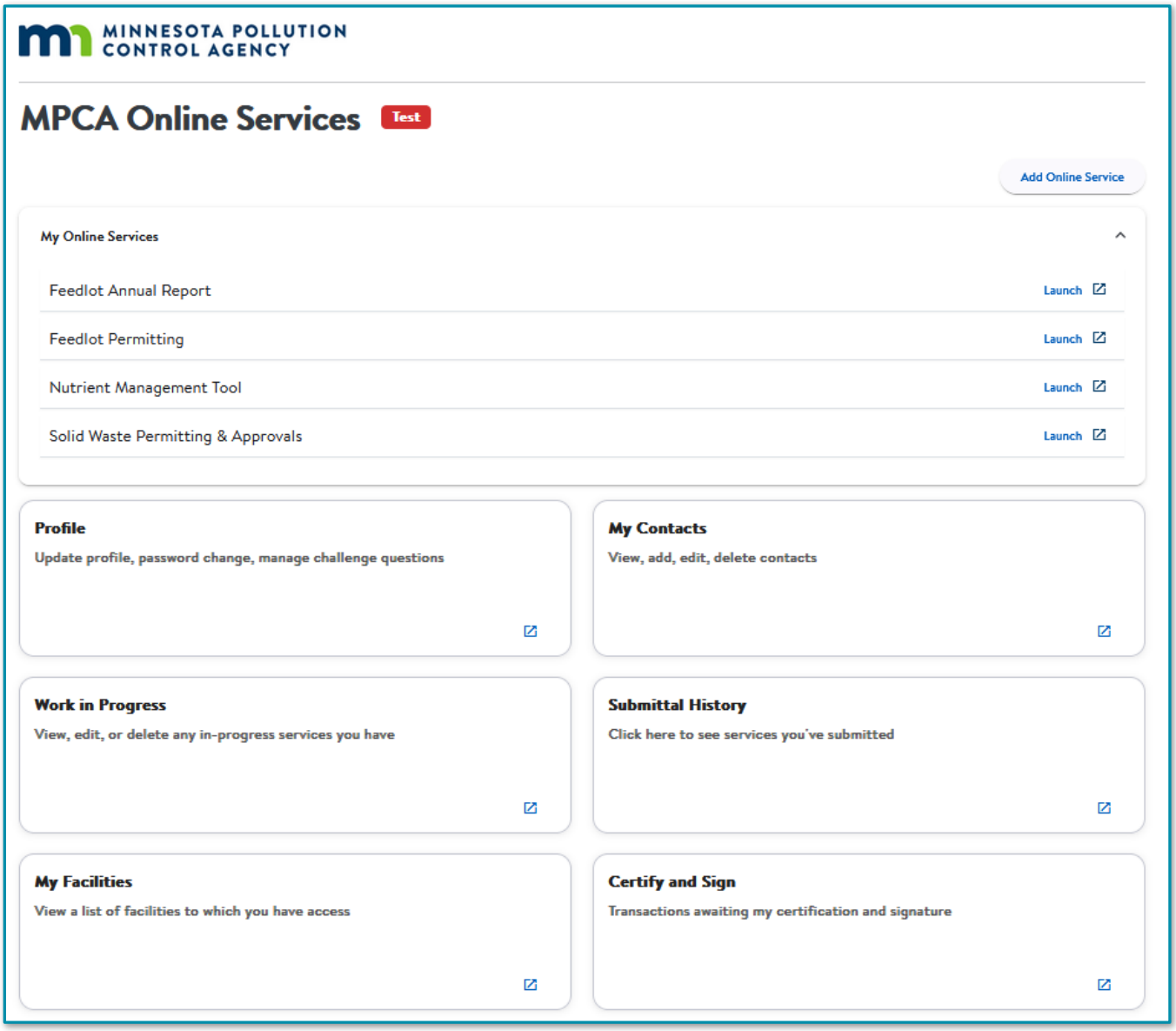
There are services for many different agency programs. This document details the solid waste permitting and approvals service. Throughout this service, instructions will be provided on each screen along with helpful links and references designed to help provide guidance while completing the submittal.

Setting up an Account:

1. Login to the MPCA Online Services portal.
    - https://webapp.pca.state.mn.us/services/login.
2. Create an account if you have not used the online service portal for other MPCA services (e.g., feedlot permitting, environmental data submittal, etc.). An electronic signature will also be created, which is needed for signing and certifying a submittal.
    - Instructions for setting up your account and navigating the portal can be found in MPCA online services general portal guide (p-gen1-23).
        - ***If New Account***: Once successfully logged in, add information to your profile and add contacts using the "Profile" and "My Contacts" tabs. More detail for these tabs are provided in this guide.

Home Screen

The home screen has many tools and features to help manage solid waste facilities.



My Online Services

This section shows the services associated with this profile. Each service listed under "My Online Services" may be opened by clicking the "launch" button.

If Solid Waste Permitting & Approvals does not appear in the "My Online Services" list, it can be added by using the "Add Online Services" button in the upper right corner of the page. Other online services, such as Environmental Data Submittal, may also be added this way.

Profile

Update personal information such as name, address, email, or phone number. Passwords and challenge questions may also be updated and managed within this tab.

My Contacts

Add any contacts that may be useful during an application or approval submittal in this service. Contacts stored here can be added to any service or application being worked on. Existing contact information may be updated as well.

Examples of contact types include:

- Consultants;
- County or Local Officials;
- Operators;
- Landowners;
- Activity Owners; and
- Solid Waste Contacts.

Work in Progress

View all of the services or applications that are currently in progress.

Submittal History

This section shows the services and applications that have been previously submitted along with the status of the submittal.

My Facilities

View all of the facilities with granted access and add or request access to new facilities. Landowners, Operators, and Activity Owners will be able to grant access to application preparers in this tab.

Certify and Sign

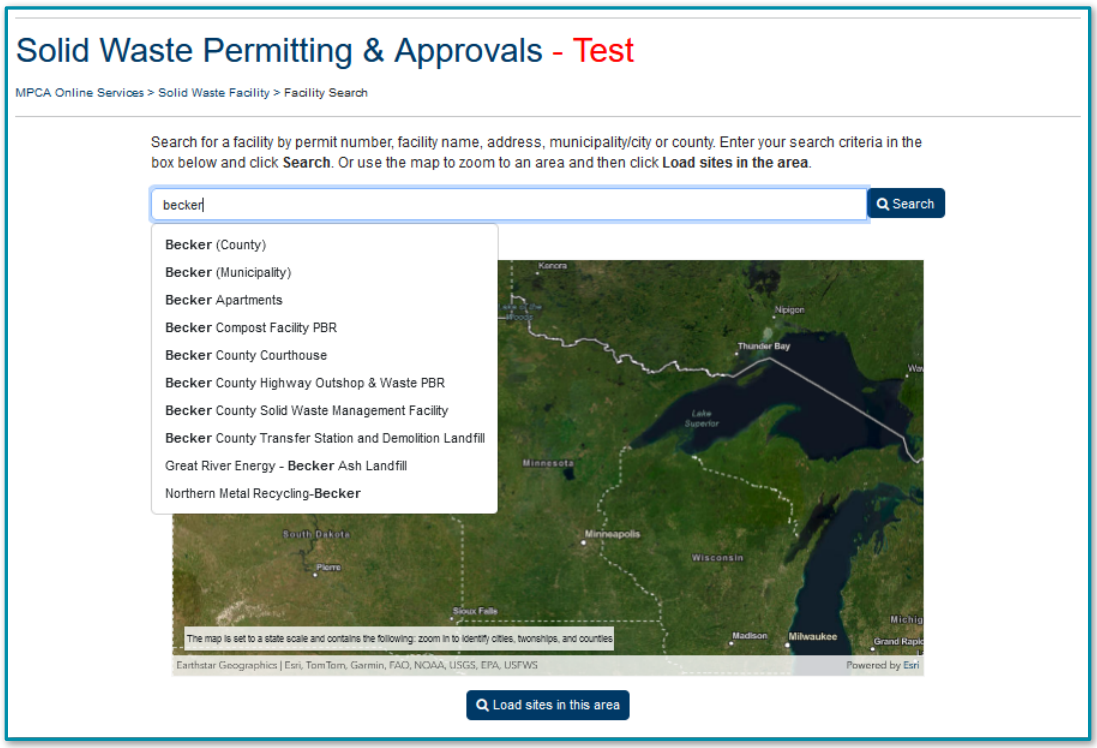
View the applications or submittals ready for a certification and signature.

Finding your facility

Once in the Solid Waste Permitting & Approvals service, the first step is to find the desired facility. The search tool allows search via text or the maptool.

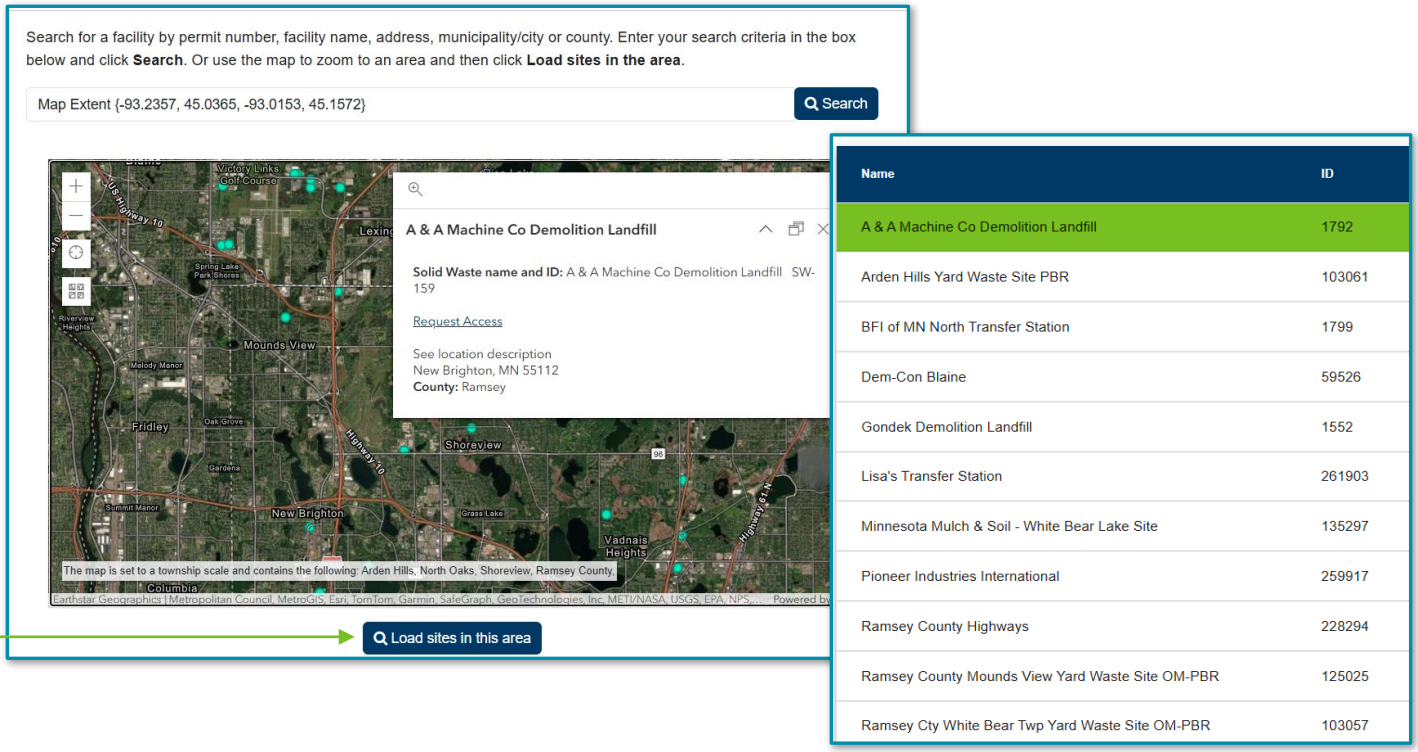
If searching by text, enter any portion of the facility's name or permit number, and the search will show the results based on what has been entered.

Text searches can also be done by using the city or county, and the search will return the solid waste facilities located within that city or county.



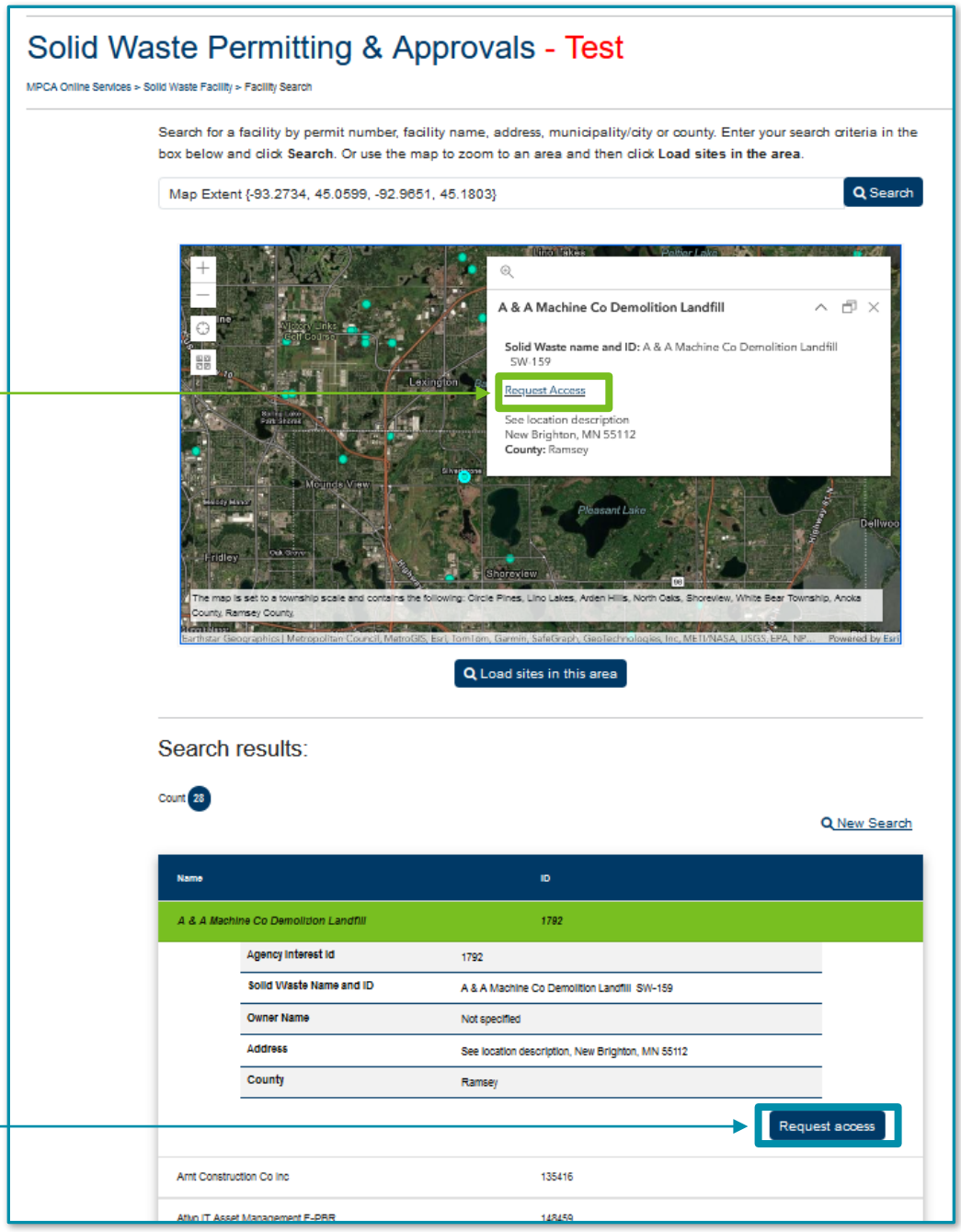
If searching using the maptool feature, zoom into the area where the facility is located and click the "load sites in this area" button below the map. The search tool will then display the solid waste facilities located in that area.

The results will appear as both dots on the map and a list below the map.



Request Access

Once the desired facility has been found, the next step is to request access. This can be done by using the link that appears in the information box after clicking the facility's dot on the map or clicking the button that appears in the information table after selecting the facility's row in the list below the map. The MPCA will approve access requests as soon as practicable.

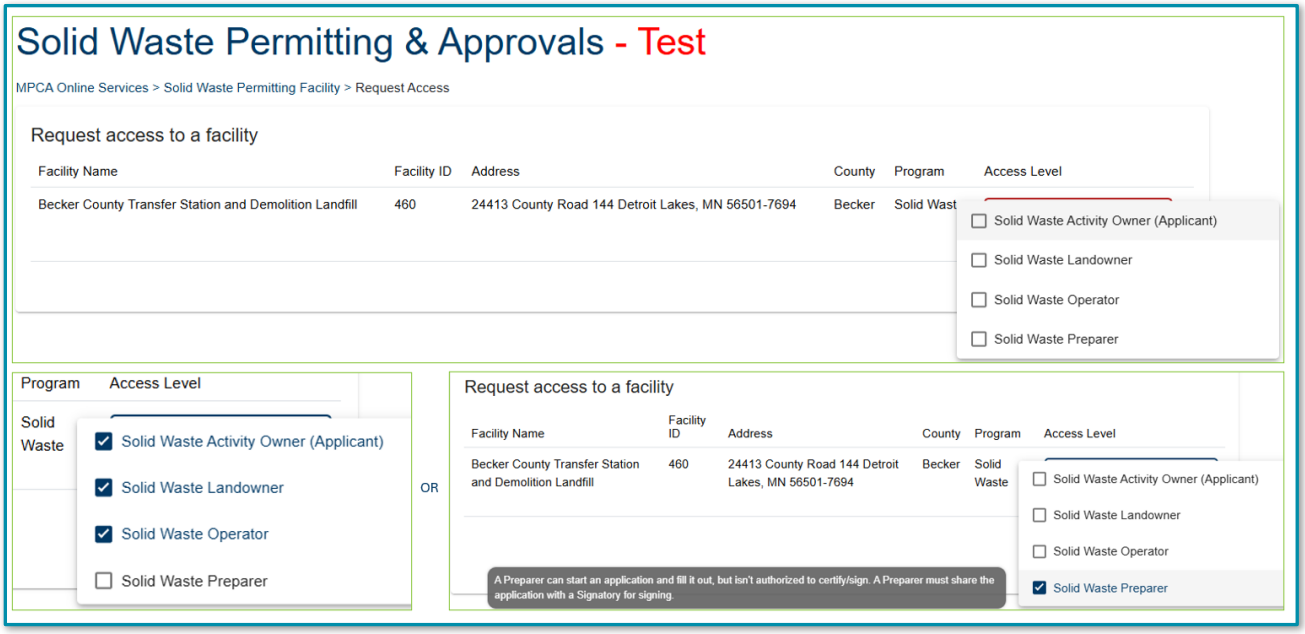


Access Level

There are four different access levels for individual permits. Minn. R. 7001.0060 discusses the required signatures for the application and who needs to sign the application.

- Activity Owner – Permittee – MPCA review prior to approval (usually by next business day).
- Landowner – Permittee – MPCA review prior to approval (usually by next business day).
- Operator – Permittee – MPCA review prior to approval (usually by next business day).
- Preparer – non-permittee – access granted by a permittee.

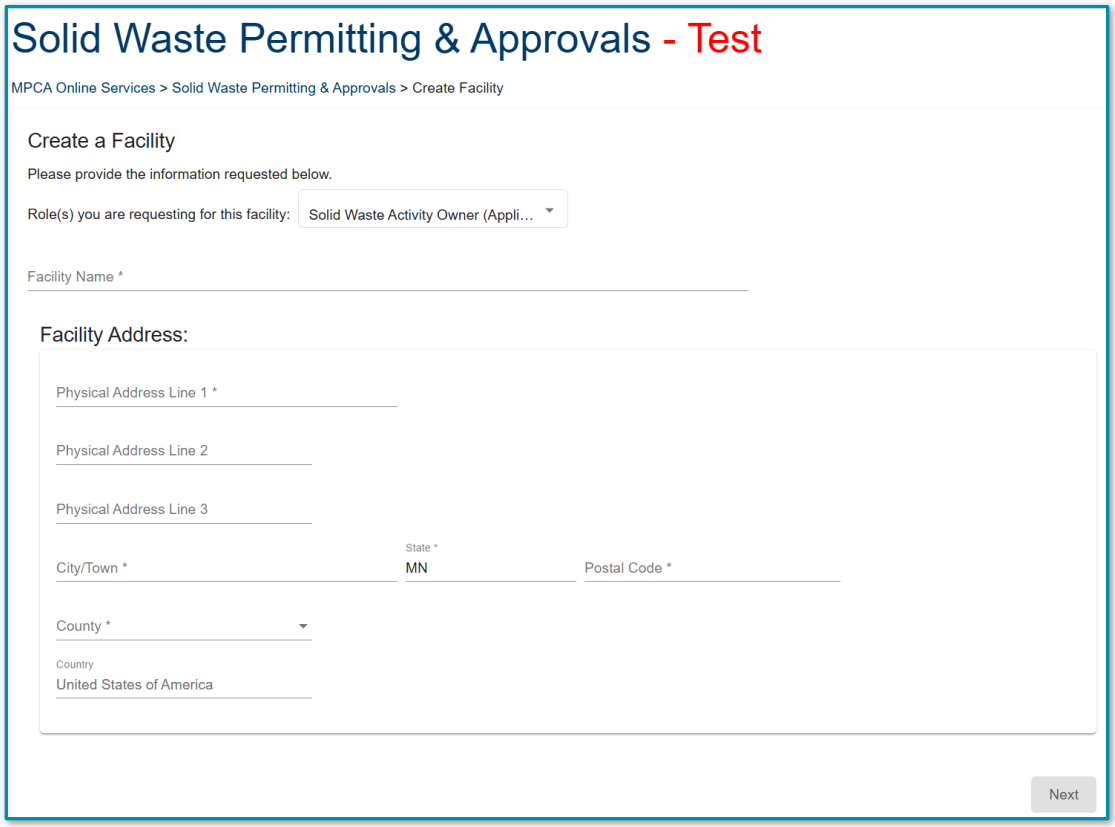
One person may have all three permittee types, but a preparer cannot also be a permittee.



The access levels may be slightly different for permit-by-rule notifications, general permit for concrete burial applications, case-specific beneficial use determination applications, and demonstration/research project applications.

Creating a new facility

Before applying for a solid waste permit at a new site, a search must be conducted to ensure that the facility does not already exist. This can be done by using the "search for facility" steps outlined above. After one search that does not return a result, the "New Facility" button becomes available at the bottom of the page. Click the "New Facility" button to start the new facility creation process.



- If a Preparer:
  - Fill out the Facility address information.
  - Once complete, click "Submit Request."
  - The MPCA will review the request and create the facility. The review and approval of the new facility may take a few business days for the MPCA to complete.
  - Once the facility has been created, a permittee must come into the service and request access to the facility.
  - Once the permittee has access, they can grant access to any application preparers.
- If a Permittee (activity owner, landowner, and/or operator):
  - Fill out the Facility address information.
  - Once complete, click "Next".
  - Fill out the "Signatory Registration and Electronic Signature Submittal Agreement Form".
  - Once complete, select "Submit Form".
  - The MPCA will review the request and create the facility. The review and approval of the new facility may take a few business days for the MPCA to complete.
  - Once the facility has been created, the permittee will have access to the facility and can grant access to application preparers.

The Service

This is the first of many services the MPCA is working on for solid waste. This service focuses on permit and approval applications for individual permits, permit-by-rule notifications, notices of coverage under the general permit for concrete burial, case-specific beneficial use determinations, and demonstration/research projects. For guidance on which permit or approval may be needed, refer to this flow chart: Solid waste permits | Minnesota Pollution Control Agency

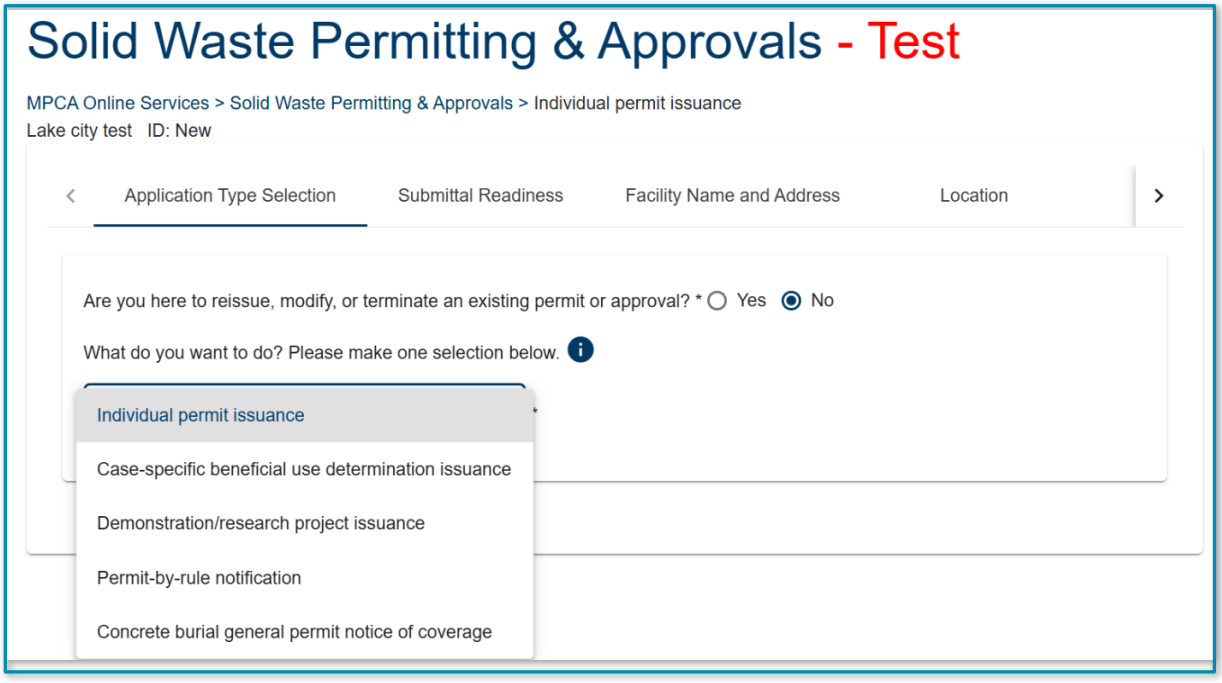
Some of these permits and approvals are limited now, but future releases will add more features. The MPCA will provide educational outreach prior to subsequent releases of the service.

Application Type Selection

This page displays the permits and approvals available based on what permits and approvals the selected facility already has obtained. For example, if the facility has an individual permit, a new individual permit application or permit-by-rule notification cannot be selected; instead, a permit modification for the existing individual permit must be selected to incorporate the new waste activities.

First, the service asks if an existing permit or approval needs to be reissued, modified, or terminated.

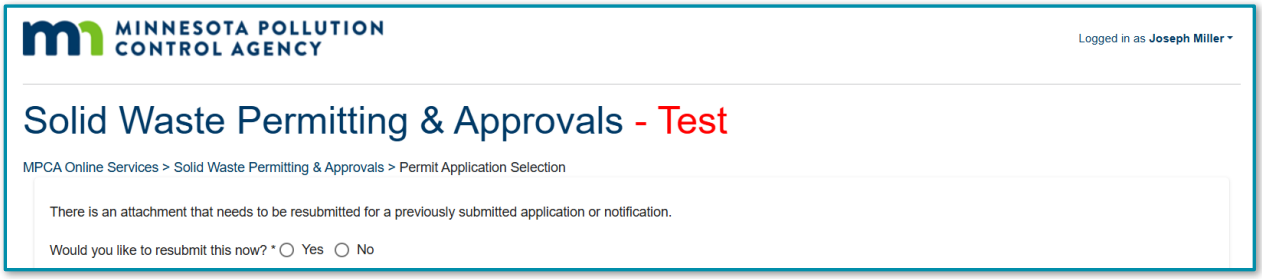
- If “Yes” is selected, the service will ask what existing permit or approval needs to be reissued, modified, or terminated.
- If “No” is selected, the service will ask what new permit or approval is being requested.



Use the options available in the dropdown lists to select the desired permit or approval to work on. Additional information on the types of permits or approvals available can be found on the MPCA’s solid waste permits webpage.

Note: if there is an attachment that needs to be resubmitted for an existing permit or approval application, the service will ask if that attachment is going to be resubmitted now.

- If “Yes” is selected, the service will redirect to the attachments section of the corresponding application.
- If “No” is selected, the service will begin the “Application Type Selection” questions outlined in the steps above.



Permit-by-Rule (PBR)

Review Minn. R. 7001.3050, subp. 3 for permit-by-rule eligibility criteria. Permit-by-rule notifications can be submitted through the online service. If eligible for a PBR, the sections of the online service described throughout this guide will provide details for the information that is required for submitting a PBR notification.

General Permit for Concrete Burial (GCB)

The following criteria must be met to qualify for a GCB:

- dispose of only uncontaminated concrete that originated at the site;
- dispose of no more than 2,500 cubic yards of uncontaminated concrete, including cover materials; and
- operate for no more than 12 months.

The sections of the online service described throughout this guide will provide details for the information that is required for a GCB submittal.

Case-Specific Beneficial Use (CSBUD)

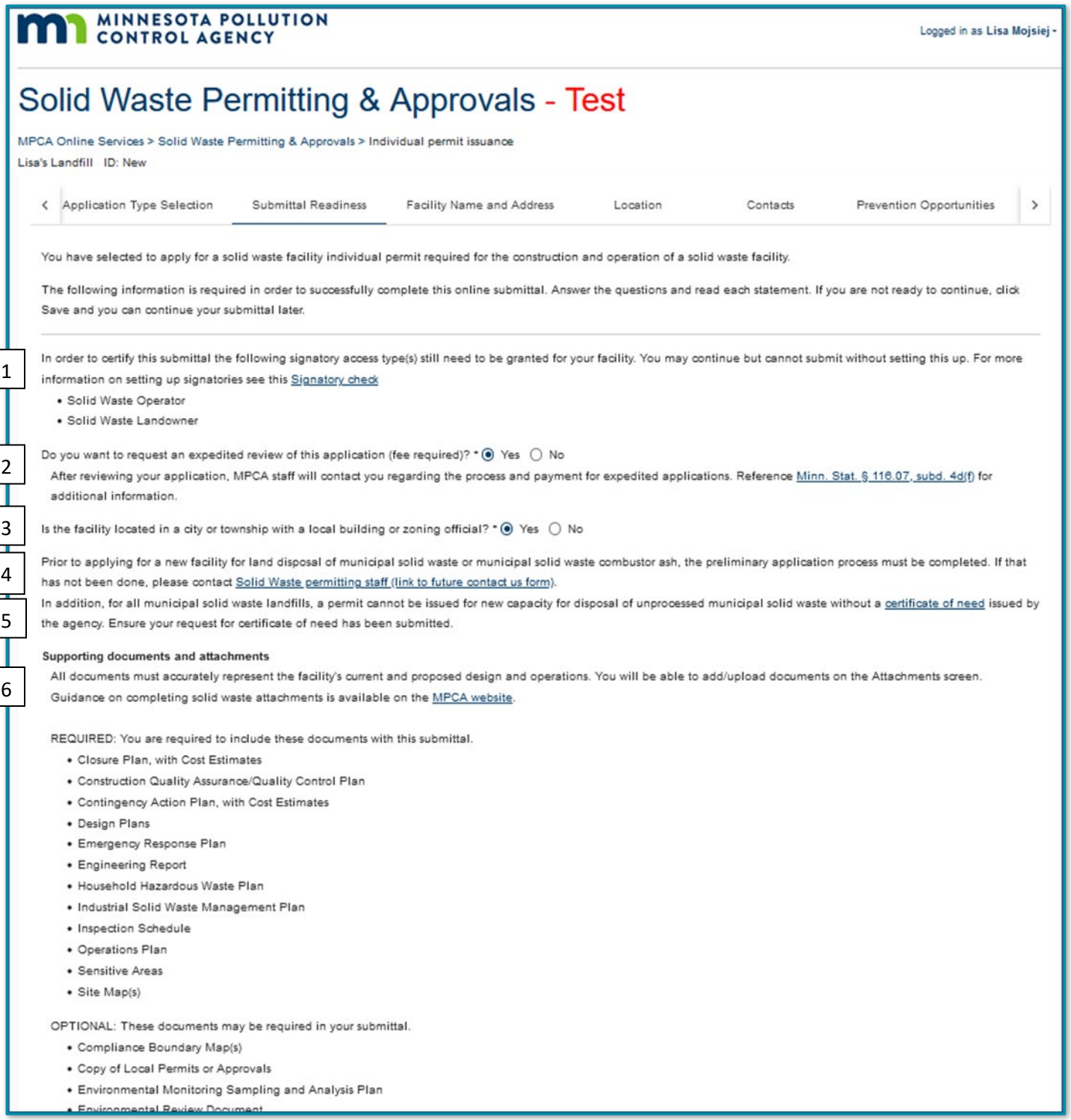
To use a waste type for projects a CSBUD must be approved and issued by the MPCA. Waste activities have not been built out yet for CSBUDs. Attachments may be uploaded within the online service. This section will be expanded upon with future online service releases.

Demonstration/Research Project (DRP)

To research the use of waste type for beneficial uses, a DRP must be approved and issued by the MPCA. Waste activities have not been built out yet for DRPs. Attachments may be uploaded within the online service. This section will be expanded upon with future online service releases.

Submittal Readiness

Once the appropriate permit or approval type has been selected, the Submittal Readiness screen will appear. This screen is intended to assist in the preparation of the application and identify what may be needed when progressing through the service, such as the attachments that may be required. This screen is customized based on what type of application is being submitted, so some of the questions and attachments may vary based on the permit or approval type.



1 If applicable, the first section will identify if additional signatories will be needed to complete the submittal. Minn. R. 7001.3060 requires the following entities be designated as permittees for all solid waste individual permits:

- Landowner;
- Activity Owner; and
- Operator.

Signatures are required by these permittees for a complete application. The online services requires an electronic signature from at least one of each required permittee type. An electronic signature is created during the account creation process, which is described in **Setting up an Account.**

If these three permittee types are three different legal entities, each of those separate entities will need an account and electronic signature. In cases where there are more than one of a permittee type (e.g., two landowners), a signature is required from each permittee (e.g., both landowners must sign). The online services can accommodate only one electronic signature per permittee type. Additional signatures must be submitted using this form: Additional permittees signatures form w-sw7-57.

2 Two additional questions may be asked on this screen that require an answer. First, there is a question to request an expedited review by the MPCA. If 'yes' is selected, MPCA staff will reach out to discuss the potential expedited review further. This does not guarantee an expedited review, but it will notify the proper staff at the MPCA to start that conversation.

3 The second question asks if there is a local (city or township) zoning official. Entering "yes" will ensure that the MPCA receives that person's contact information.

4 Then, there is a notification for the potential need to complete the preliminary application process for a new mixed municipal solid waste (MSW) or MSW Ash land disposal facility. An application may need to be completed for certificate of need (CON) or the Preliminary Application Process. MPCA staff can help determine if this is needed and will provide guidance on how to proceed.

5 All MSW disposal facilities must have CON. If CON capacity is needed, the application may be deemed incomplete until the CON process is complete. MPCA Solid Waste Planning Staff can assist with any questions regarding this process.

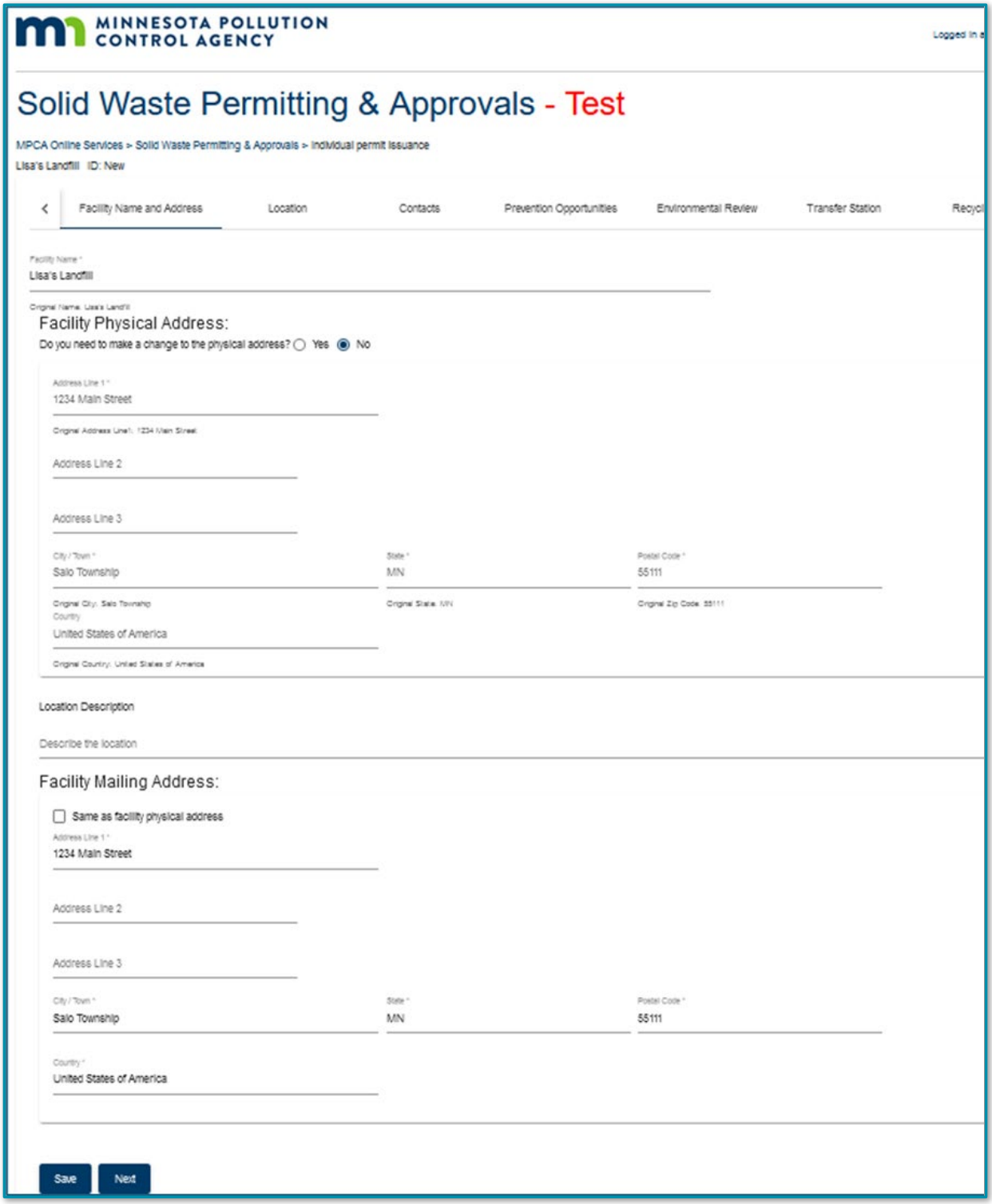
6 The final section of this screen identifies what attachments may be needed to complete the submittal. Progress on the submittal is saved when moving from page to page, after uploading an attachment, or by clicking the save button at the bottom of the page, so not everything has to be submitted in one sitting.

This list is dynamic and based on the type of submittal that has been selected. For individual permit issuances and reissuances, Minn. R. 7001 requires all documents and plans to be submitted as part of a complete application. Even if a document has been submitted in the past, it must be resubmitted for review to see if any updates are necessary since the last permit issuance. The "REQUIRED" section lists the documents that will be required as part of this submittal.

The "OPTIONAL" section lists attachments that may be required based on what is proposed when completing the application. For example, if a facility is proposing to compost organic waste, a Compost Distribution Plan is required. But if a facility will not be composting, this plan will not be required.

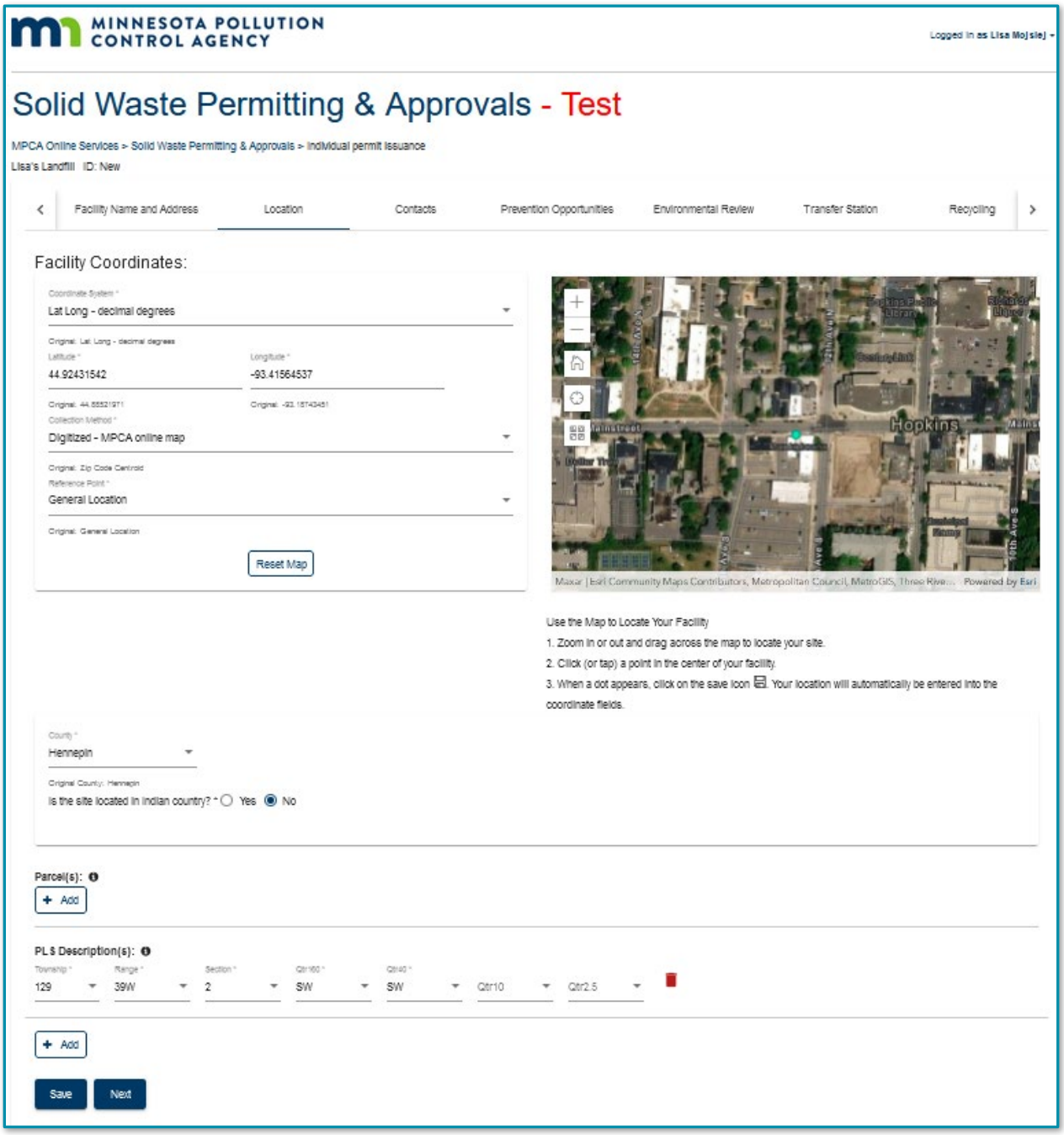
Facility Information

This screen captures the facility's physical and mailing address. For existing facilities, this will be prepopulated with information from the MPCA's database. Please review and make updates as needed.



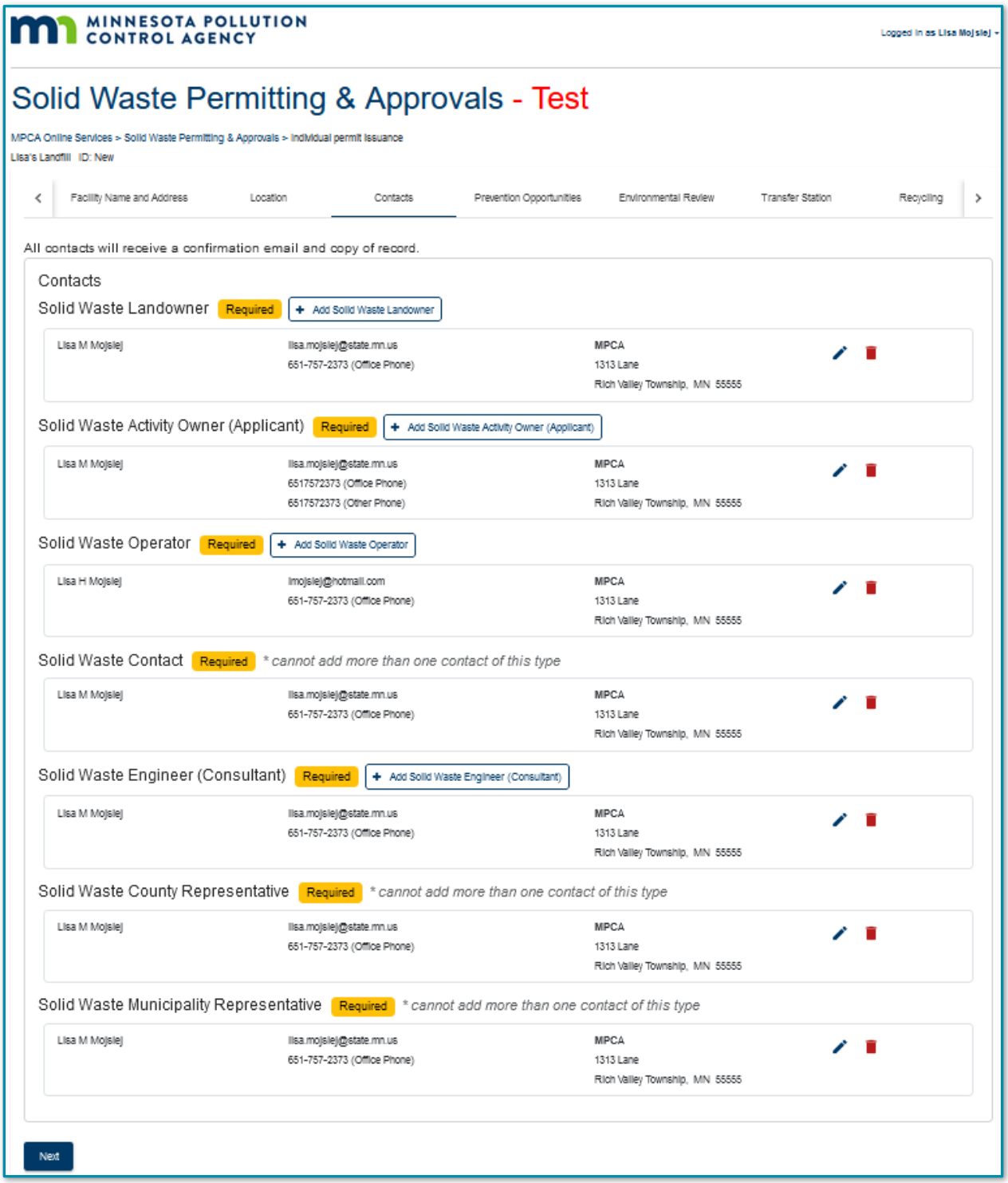
Facility Location

This screen captures the actual location of the facility. For existing facilities, this is prepopulated. Updates or corrections can be made by entering new latitude and longitude coordinates or selecting a location on the map. The screen also records county, parcel, and Public Land Survey (PLS) Quarter-Quarter Sections information. If the facility is located on more than one parcel, add a row for each parcel. Similarly, if the facility has more than one PLS, please add additional rows.



Contacts

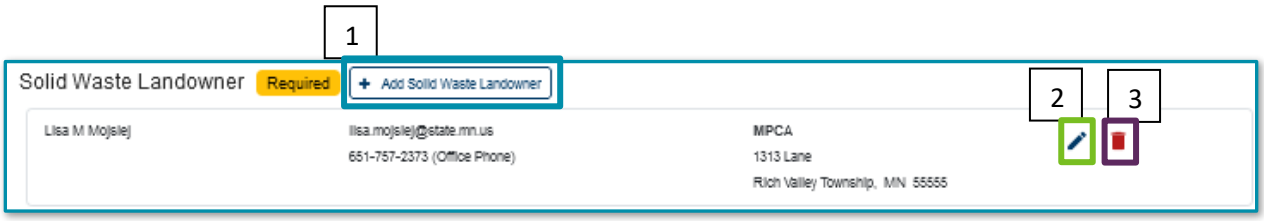
The contract screen details the contact information for all persons associated with the facility. This includes permittees, consultants, and local officials. This screen also prepopulates with information the MPCA has from the last permit, which may have changed. Please verify all information here and make updates as needed.



All permittees (Landowners, Activity Owners, and Operators) must be listed here. The entities identified here will be the Permittees listed in the permit, so please ensure the correct legal names are used. The legally responsible Permittees may be individuals or businesses. The Minnesota Secretary of State's Business Search can be used to verify the legal name of a business. Please include punctuation, such as commas and periods, if they are used in the legal name.

The example above is for an individual permit. The required contacts will be different for permit-by-rule notifications, notices of coverage under the general permit for concrete burial, and applications for case-specific beneficial use determinations and demonstration/research projects.

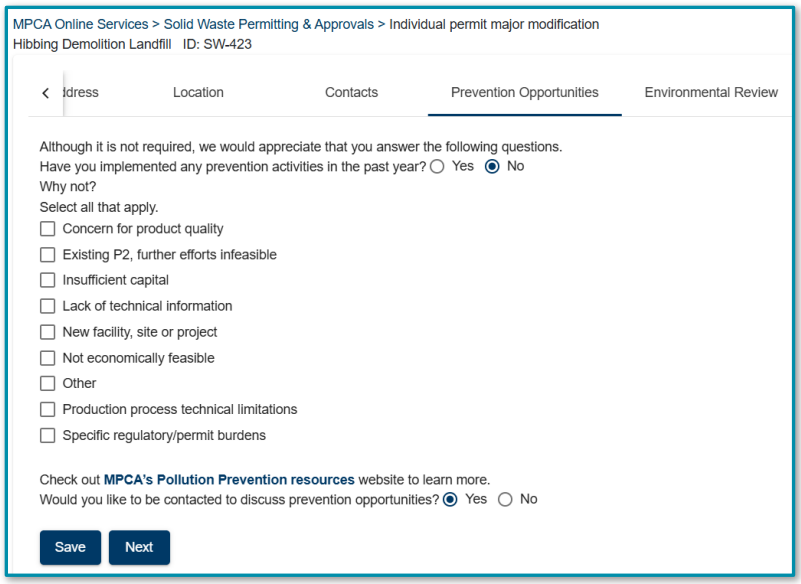
- Modify Contacts:
    1. Add a new contact by clicking the "+ Add _____" button.
        - Note: not all contact types allow multiple contacts.
    2. Edit an existing contact by clicking the pencil icon.
        - A screen will open with that contact's information.
    3. Delete an existing contact by clicking the trash can icon.



Minor Permit Modifications and Permit Extensions do not allow changes (editing, deleting, or adding) to the permittee contact cards. To change a Landowner, Activity Owner, or Operator for individual permits, a Change of Ownership application is necessary. A Major Permit Modification application may also be used to update the Landowner, Activity Owner, or Operator if other significant changes are being made to the facility or its operations. Permittees may also be updated during Permit Reissuances.

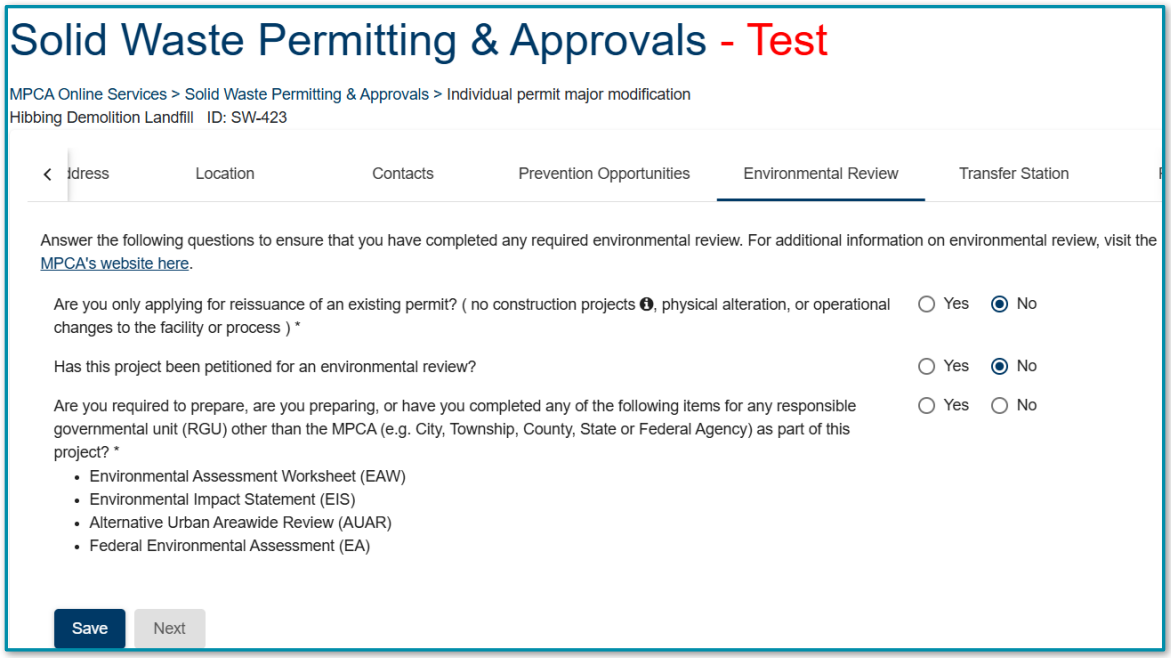
Prevention Opportunities

This screen is optional and is intended to help facilities determine if there are pollution prevention opportunities available.



Environmental Review

This screen is standard for all MPCA online services. It is a series of dynamic, yes/no questions designed to aid facilities in determining if an environmental review may be needed. If an environmental review is already underway, this screen will capture that information. There is also the option to attach any environmental review document that has already been prepared.



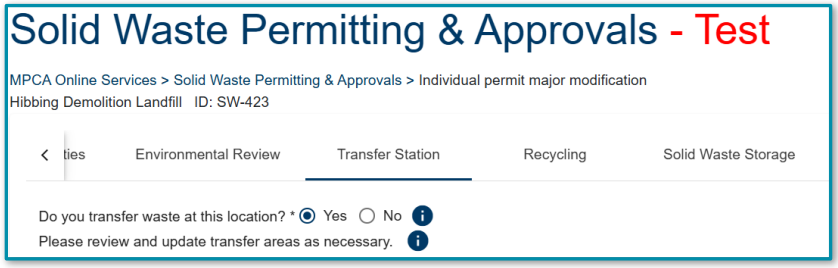
Waste Activity Screens

The service has a series of tabs/screens for the different waste activities that could occur at a solid waste management facility, including transfer, storage, processing, land disposal, etc.

The waste activity information from a facility's current permit will be prepopulated* on these screens. Some fields may be blank and will need information, which will be saved for future submittals. Two versions of the screen may appear on the main screen for waste activities.

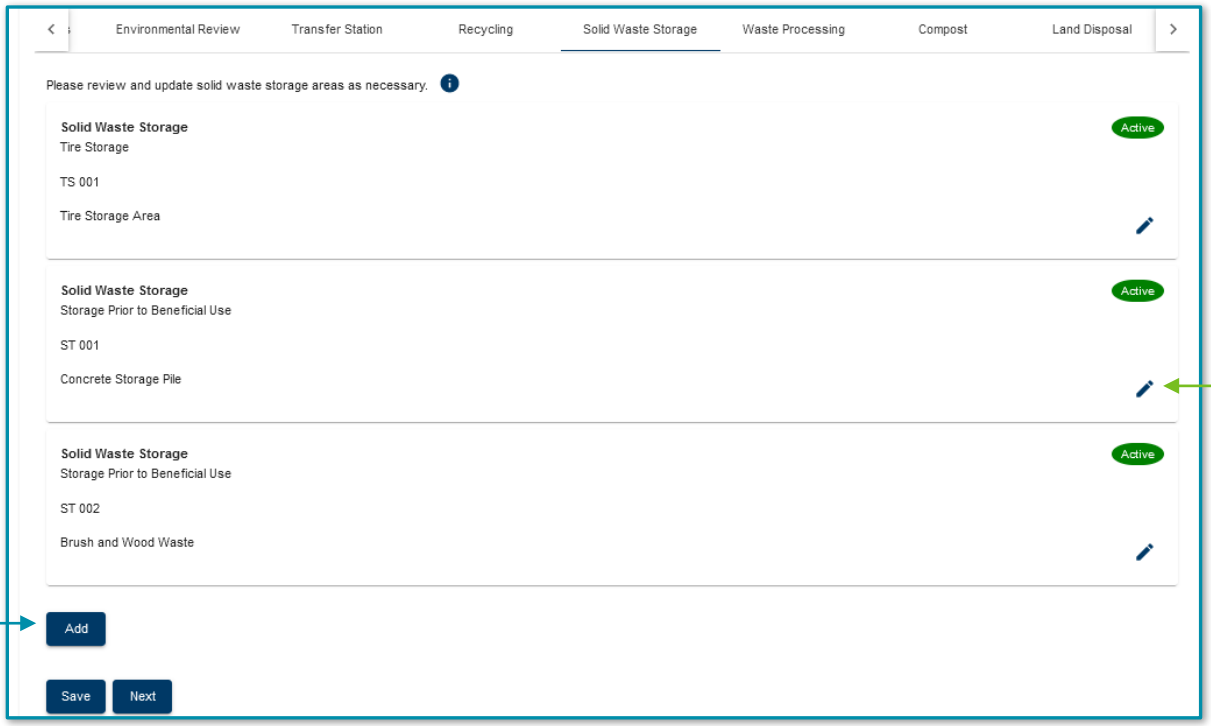
The example below is the screen displayed if the submittal is for a new facility or an existing facility that does not currently conduct the activity. The screen will ask if the facility does the activity now or if the facility is proposing to do the activity in the future.

- Select "Yes" if the facility does this activity or is proposing to add this activity during this submittal. A popup window will open to collect the information specific to that activity.
- Select "No" if the facility does not do this activity and is not proposing to do this activity.



The example below is the screen displayed if the facility's current permit includes this waste activity. An entry/row for each of the existing activities will appear on this screen.

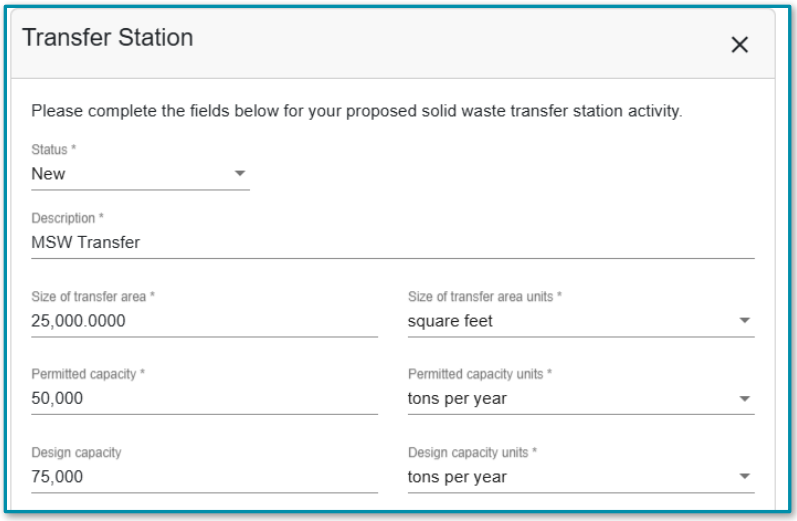
- Please review the details in each existing activity to ensure the information is accurate by clicking the pencil icon on the right side of the screen. A popup window will appear that shows the information pertaining to the selected waste activity. Examples and additional information are provided in this section for each waste activity screen.
- An existing waste activity cannot be deleted from the waste activity screen. If the activity has ended, select the waste activity using the pencil icon and change the status to "Inactive" on the popup window to document the change in operation.
- Use the "Add" button at the bottom of the screen to create new waste activities. The options available for the different waste activities are dynamic and may be limited based on the activity. This has been done to standardize data, streamline permitting, and maintain consistency across the solid waste permitting program.



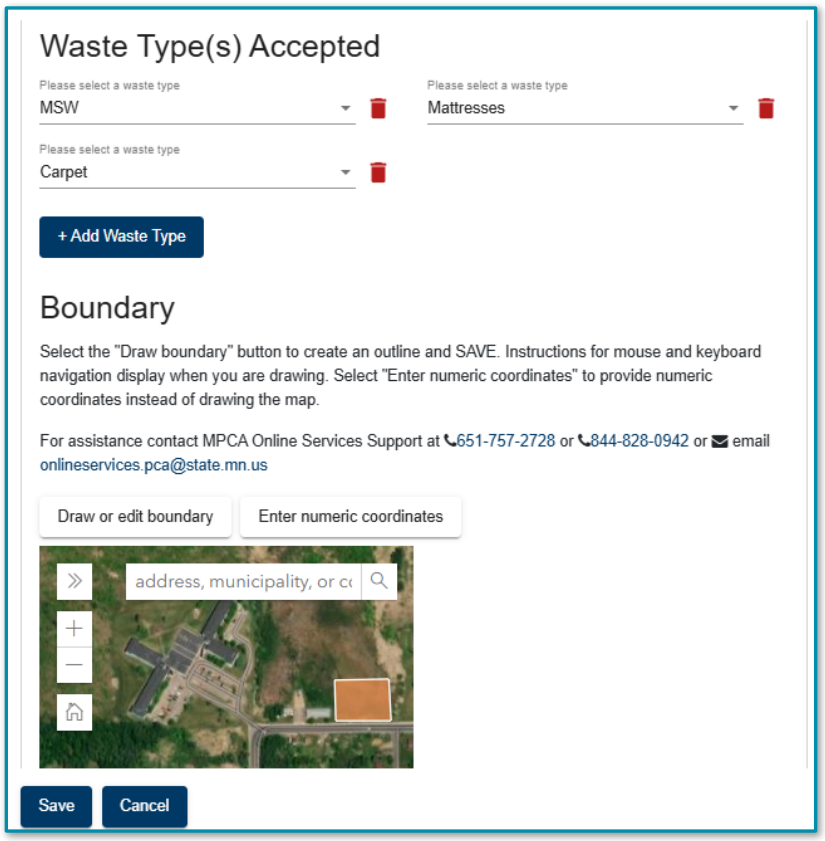
* If the facility's existing permit is using different units than what's provided, the service shows the pre-existing value and units (in light grey above the field). Convert the value to one of the allowable units.

Transfer Station

This screen captures the information specific to each solid waste transfer area. If a facility has multiple areas for the transfer of different waste types, there should be an individual entry for each of the separate areas.



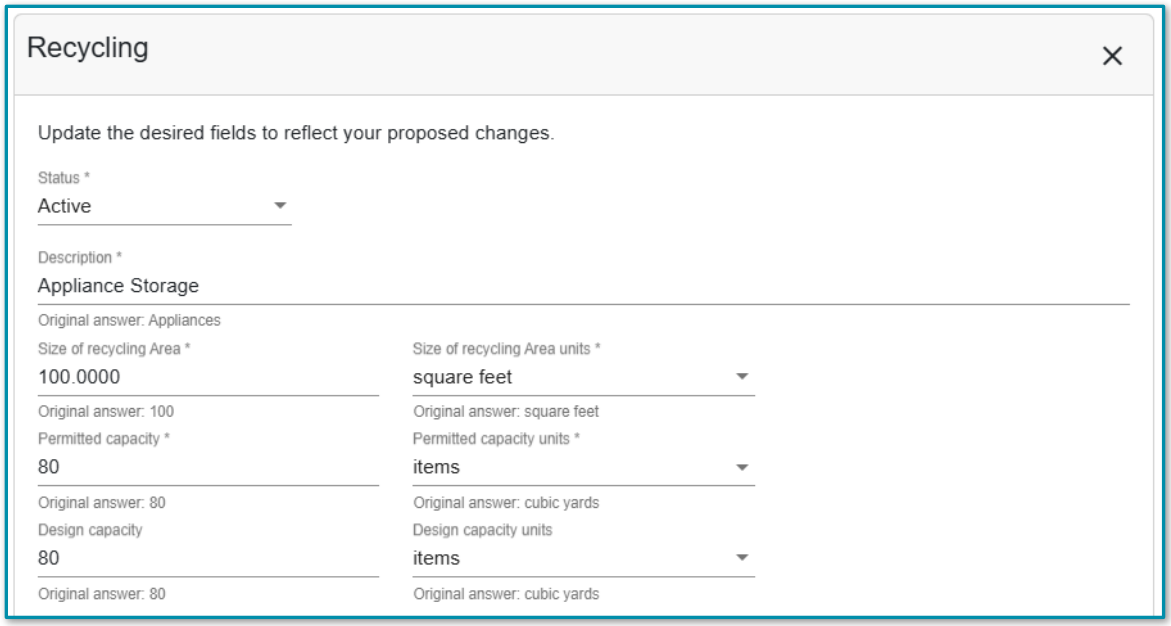
- Status – select the appropriate status from the dropdown.
    - New transfer areas will default as “New”.
    - Existing transfer areas will default to “Active” and can be changed to “Inactive” if the activity no longer occurs.
- Description – a short description of the activity.
    - For existing activities, this will prepopulate with what the current permit has.
    - Examples:
        - MSW Transfer Area; or
        - Demo Transfer Area.
- Size of Transfer Area* – size of the area dedicated to this activity, not the parcel size.
- Size of Transfer Area Units* – dropdown list of the available units for the size of this activity.
    - Options:
        - Square Feet; or
        - Acres.
- Permitted Capacity* – the regulatory capacity for this activity.
    - This activity is permitted based on an annual throughput.
- Permitted Capacity Units* – dropdown list of the available units for the permitted capacity.
    - Options:
        - Tons per year; or
        - Cubic yards per year.
- Design Capacity* – the capacity the facility is designed to potentially manage. It must be equal to or greater than the permitted capacity. This is not a regulated or authorized capacity; it is solely utilized for planning purposes.
- Design Capacity Units* – dropdown list of the available units for the design capacity.
    - Options:
        - Tons per year; or
        - Cubic yards per year.



- Waste Type(s) Accepted – For the transfer of waste, select all waste types that the facility may manage (multiple waste types can be selected). Even if a waste type is not managed now, but the facility envisions managing it during the permit term, it should be selected.
    - Refer to **Table A- 1** for a list of potential waste types.
- Boundary – use the polygon tool to draw a shape around the area where this transfer activity will occur. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary.

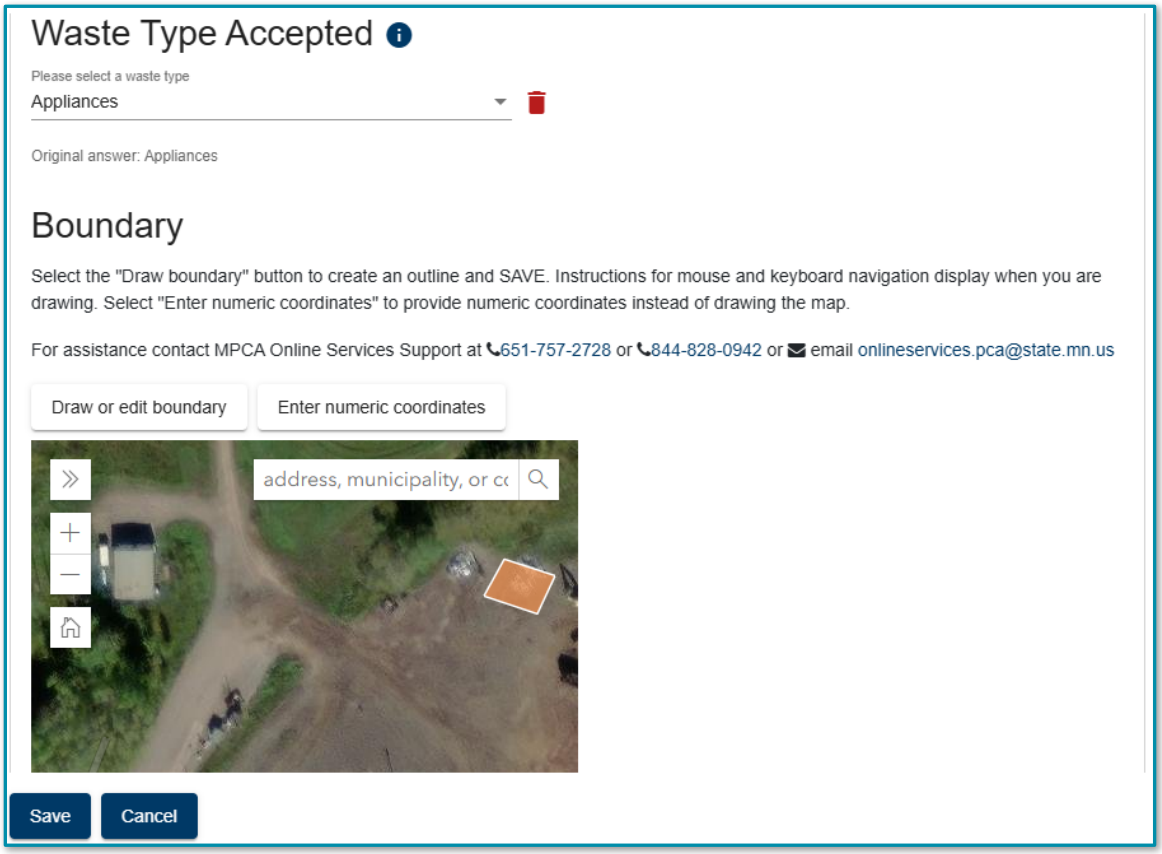
Recycling

This screen captures the information specific to each storage area for a recyclable material. If a facility has multiple areas for the storage of different recyclable materials, there should be an individual entry here for each of the separate areas.



- Status – select the appropriate status from the dropdown.
    - New recyclable material storage areas will default as “New.”
    - Existing recyclable material storage areas will default to “Active” and can be changed to “Inactive” if the activity no longer occurs.
- Description – a short description of the activity.
    - For existing activities, this will prepopulate with what the current permit has.
    - Examples:
        - Cardboard Storage Area;
        - Metal Storage Area;
        - Single Sort Recyclables Storage Area; or
        - Plastic Storage Area.
- Size of Recyclables Storage Area* – the size of the area dedicated to this activity, not the parcel size.
- Size of Recyclables Storage Area Units* – dropdown list of the available units for the size of this activity.
    - Options:
        - Square Feet; or
        - Acres.
- Permitted Capacity* – the regulatory capacity for this activity.
    - This activity is permitted based on the largest volume that could be stored at the site at one time, not as an annual throughput.
- Permitted Capacity Units*– dropdown list of the available units for the permitted capacity.
    - Options:
        - Cubic yards; or
        - Items.

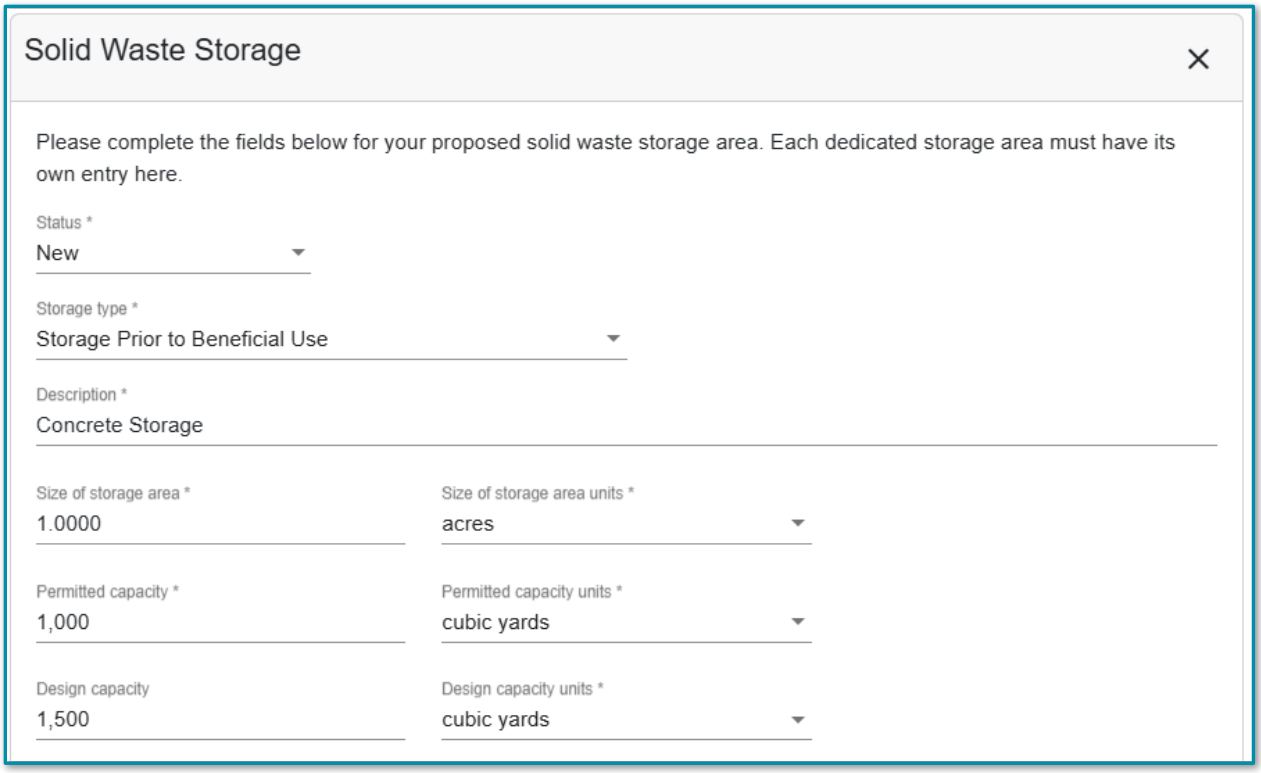
- Design Capacity* – the capacity the facility is designed to potentially manage for this specific area. It must be equal to or greater than the permitted capacity. This is not a regulated or authorized capacity; it is solely utilized for planning purposes.
- Design Capacity Units* – dropdown list of the available units for the design capacity.
    - Options:
        - Cubic yards; or
        - Items.



- Waste Type(s) Accepted – For the storage of recyclable materials, a unique area should be dedicated for each separate recyclable material. Therefore, the service only allows one recyclable material to be selected. For facilities that manage multiple recyclable materials, add a record on the Recycling screen for each separate material.
    - Refer to **Table A- 2** for a list of potential recyclable materials.
- Boundary – use the polygon tool to draw a shape around the area where this recyclable material will be stored. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary.

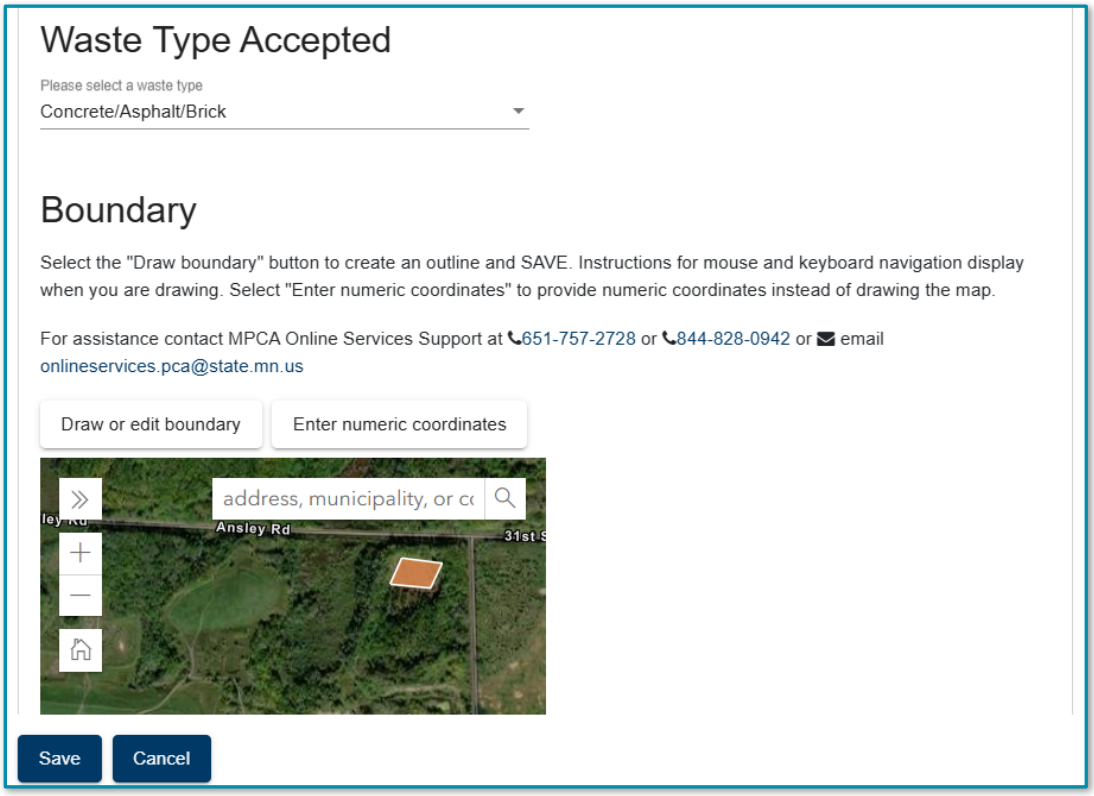
Solid Waste Storage

This screen captures the information specific to each solid waste storage area. If a facility has multiple areas for the storage of different waste types, there should be an individual entry for each of the separate areas.



- Status – select the appropriate status from the dropdown.
    - New solid waste storage areas will default as “New”.
    - Existing solid waste storage areas will default to “Active” and can be changed to “Inactive” if the activity no longer occurs.
- Type of storage – dropdown list with the different types of waste storage that could occur.
    - Options:
        - Storage Prior to Beneficial Use;
        - Storage Prior to Disposal; or
        - Tires Storage.
- Description – a short description of the activity.
    - For existing activities, this will prepopulate with what the current permit has.
    - Examples:
        - Waste Tire Storage Area;
        - Concrete Storage Area; or
        - MSW Storage Area.
- Size of Waste Storage Area* – size of the area dedicated to this activity, not the parcel size.
- Size of Waste Storage Area Units* – dropdown list of the available units for the size of this activity.
    - Options:
        - Square Feet; or
        - Acres.

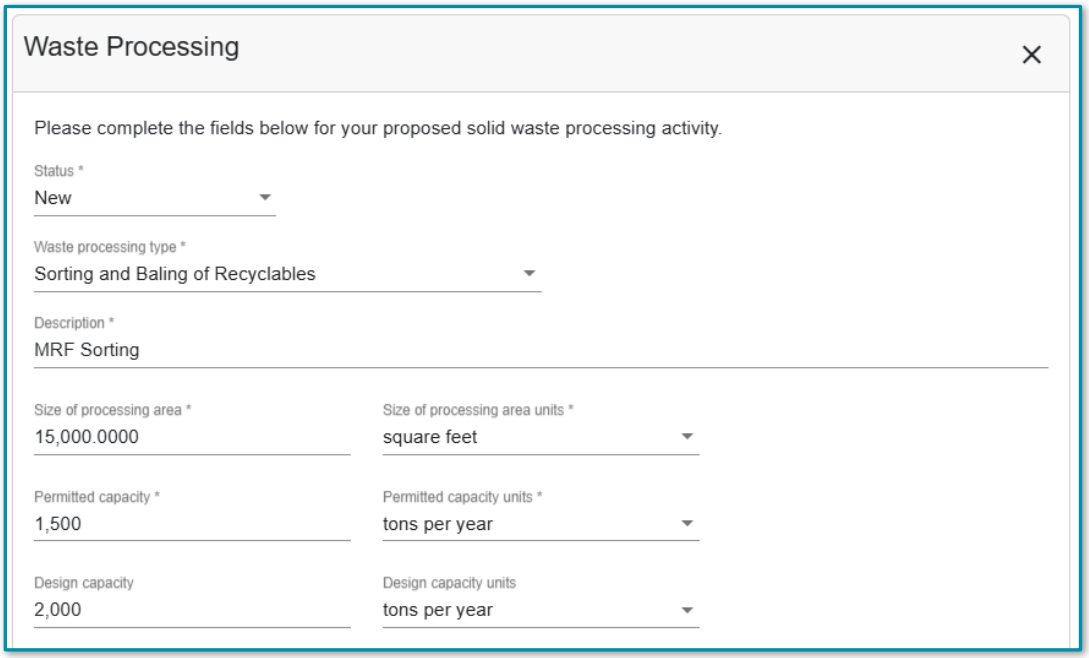
- Permitted Capacity* – the regulatory capacity for this activity.
    - This activity is permitted based on the largest volume that could be stored at the site at one time, not as an annual throughput.
- Permitted Capacity Units* – dropdown list of the available units for the permitted capacity.
    - Options:
        - Cubic yards;
        - Items; or
        - Passenger Tire Equivalent (for Tire Storage only).
- Design Capacity* – the capacity the facility is designed to potentially manage for this specific area. It must be equal to or greater than the permitted capacity. This is not a regulated or authorized capacity; it is solely utilized for planning purposes.
- Design Capacity Units* – dropdown list of the available units for the design capacity.
    - Options:
        - Cubic yards;
        - Items; or
        - Passenger Tire Equivalent (for Tire Storage only).



- Waste Type(s) Accepted – For the storage of solid waste prior to disposal or beneficial use and tires, a unique area should be dedicated for each separate waste type. Therefore, the service only allows one waste type to be selected. For facilities that manage multiple waste storage areas, add a record on the Solid Waste Storage screen for each separate waste.
    - Refer to **Table A- 3** for a list of potential stored waste types.
- Boundary – use the polygon tool to draw a shape around the area where this waste type will be stored. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary.

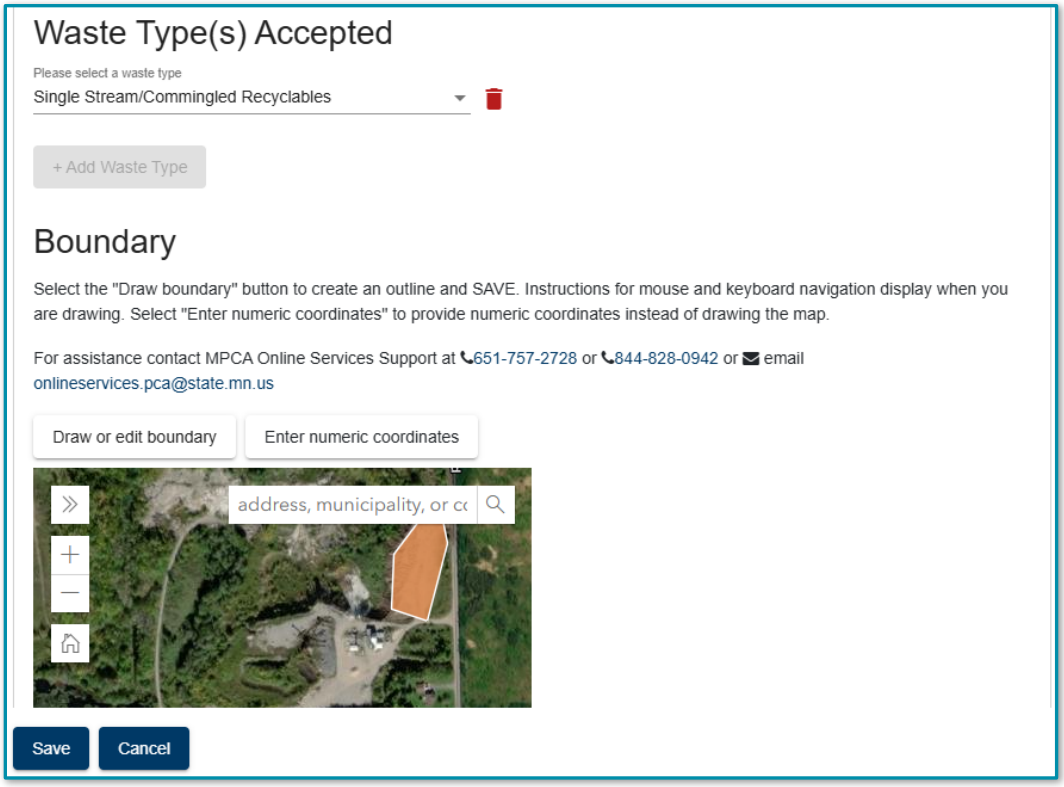
Waste Processing

This screen captures the information specific to each waste processing area. If a facility has multiple processing areas, there should be an individual entry for each of the separate areas.



- Status – select the appropriate status from the dropdown.
    - New waste processing activities will default as “New”.
    - Existing waste processing activities will default to “Active” and can be changed to “Inactive” if the activity no longer occurs.
- Type of processing – dropdown list with the different types of waste processing that could occur.
    - Options:
        - Refuse-Derived Fuel Processing;
        - Solid Waste Processing;
        - Sorting and Bailing of Recyclables;
        - Tire Processing; or
        - Waste Shredding.
- Description – a short description of the activity.
    - For existing activities, this will prepopulate with what the current permit has.
    - Examples:
        - RDF Processing;
        - Tire Processing; or
        - Recyclable Processing/Sorting.
- Size of Waste Processing Area* – size of the area dedicated to this activity, not the parcel size.
- Size of Waste Processing Area Units* – dropdown list of the available units for the size of this activity.
    - Options:
        - Square Feet; or
        - Acres.
- Permitted Capacity* – the regulatory capacity for this activity.
    - This activity is permitted based on an annual throughput.

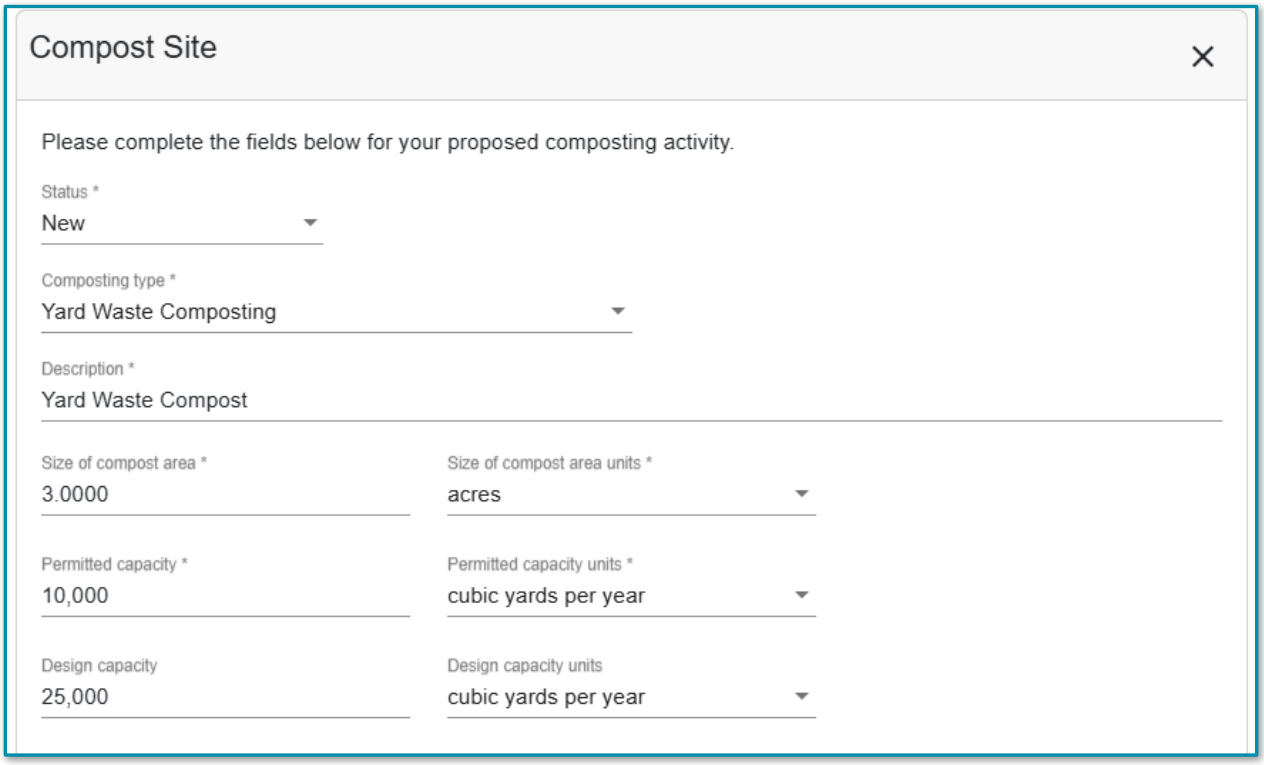
- Permitted Capacity Units* – dropdown list of the available units for the permitted capacity.
    - Options:
        - Cubic yards per year;
        - Tons per year; or
        - Passenger Tire Equivalent per year (for Tire Processing only).
- Design Capacity* – the capacity the facility is designed to potentially manage for this specific area. It must be equal to or greater than the permitted capacity. This is not a regulated or authorized capacity; it is solely utilized for planning purposes.
- Design Capacity Units* – dropdown list of the available units for the design capacity.
    - Options:
        - Cubic yards per year;
        - Tons per year; or
        - Passenger Tire Equivalent per year (for Tire Processing only).



- Waste Type(s) Accepted – For the processing of waste, select all waste types that the facility may manage (multiple waste types can be selected). Even if a waste type is not managed now, but the facility envisions managing it during the permit term, it should be selected.
    - Refer to **Table A- 4** for a list of potential processed waste types.
- Boundary – use the polygon tool to draw a shape around the area where this processing activity will occur. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary.

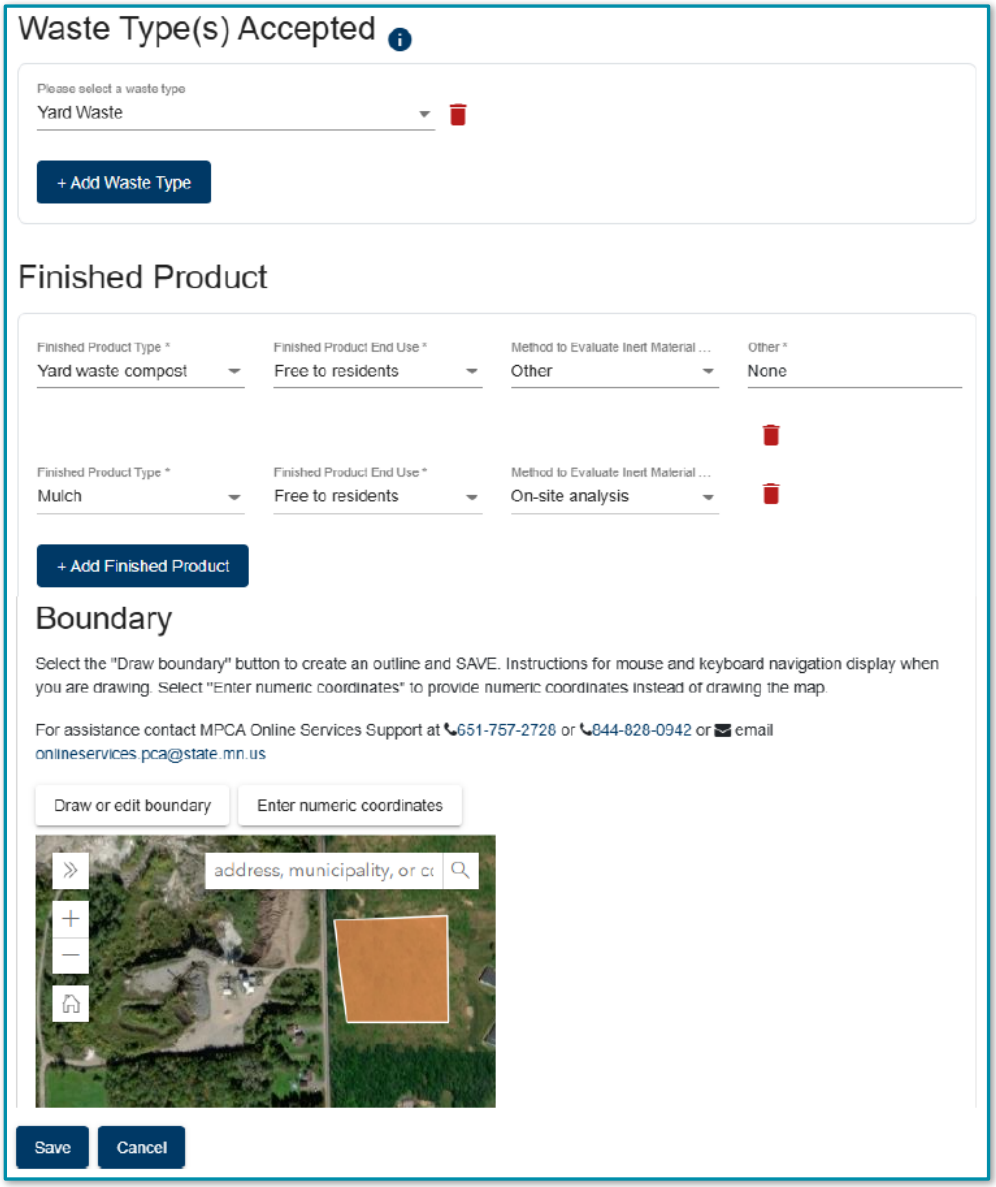
Compost

This screen captures the information specific to each composting area. If a facility has multiple areas for composting, there should be an individual entry for each of the separate areas.



- Status – select the appropriate status from the dropdown.
    - New compost areas will default as “New”.
    - Existing compost areas will default to “Active” and can be changed to “Inactive” if the activity no longer occurs.
- Type of composting –dropdown list with the different types of composting that could occur.
    - Options:
        - Solid Waste Composting;
        - Source-Separated Organic Material Composting; or
        - Yard Waste Composting.
- Description – a short description of the activity.
    - For existing activities, this will prepopulate with what the current permit has.
    - Examples:
        - Waste Composting;
        - SSOM Composting; or
        - Yard Waste Composting.
- Size of Compost Area* – size of the area dedicated to this activity, not the parcel size.
- Size of Compost Area Units* – dropdown list of the available units for the size of this activity.
    - Options:
        - Square Feet; or
        - Acres.
- Permitted Capacity* – the regulatory capacity for this activity.
    - This activity is permitted based on an annual throughput.

- Permitted Capacity Units* – dropdown list of the available units for the permitted capacity.
    - Options:
        - Cubic yards per year; or
        - Tons per year.
- Design Capacity* – the capacity the facility is designed to potentially manage for this specific area. It must be equal to or greater than the permitted capacity. This is not a regulated or authorized capacity; it is solely utilized for planning purposes.
- Design Capacity Units* – dropdown list of the available units for the design capacity.
    - Options:
        - Cubic yards per year; or
        - Tons per year.

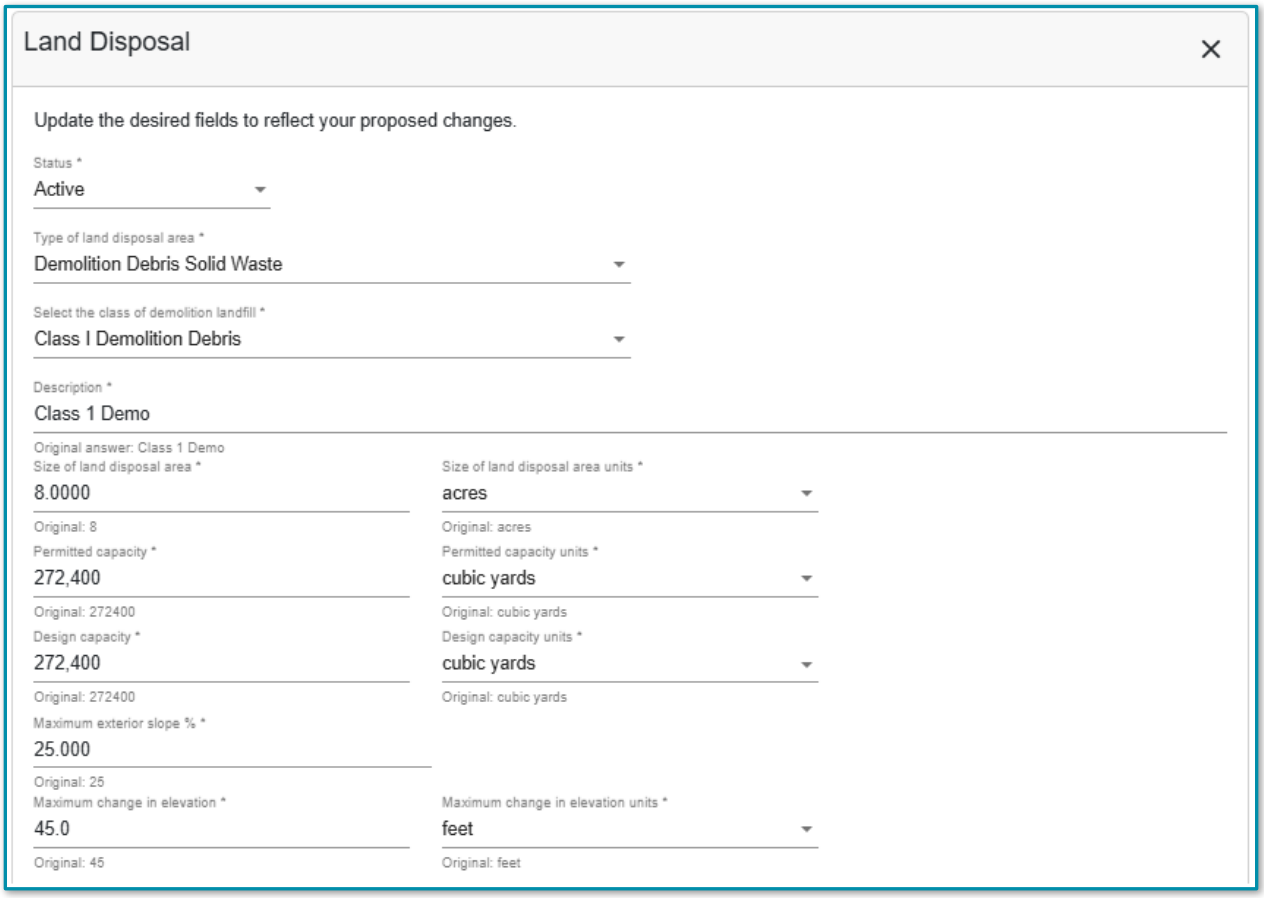


- Waste Type(s) Accepted – For composting activities, select all waste types that the facility is planning to manage (multiple waste types can be selected). The types of wastes that can be composted are determined by Minnesota State rules and statutes and permit conditions.
    - Refer to **Table A- 5** for a list of potential compostable materials.

- Finished Product – provide information for the proposed use and evaluation method for the finished product.
    - Finished Product Type – select from the dropdown list. If multiple products are created from the compost activity, add a record for each separate finished product.
        - Options:
            - Class I compost;
            - Class II compost;
            - Fuel;
            - Mulch; or
            - Yard waste compost.
    - Finished Product End Use - select from the dropdown list. If there are multiple end uses for a product, add a record for each separate end use.
        - Options:
            - Bagged for resale;
            - Bulk resale;
            - Community projects;
            - Free to residents;
            - Fuel; or
            - Land applied.
    - Method to Evaluate Inert Material Content - select from the dropdown list. If there are multiple evaluation methods for a product, add a record for each separate evaluation method.
        - Options:
            - Lab analysis;
            - On-site analysis;
            - On-site inspection; or
            - Other. If “Other” is selected, an additional prompt will appear where a text description must be added.
- Boundary – use the polygon tool to draw a shape around the area where this composting activity will occur. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary.

Land Disposal

This screen captures the information specific to each land disposal area. If a facility has multiple land disposal areas, there should be an individual entry for each of the separate areas.



The land disposal information from a facility's current permit will be prepopulated* on this screen. Some of the fields are relatively new due to the online services' capabilities to manage new data. Some fields may be blank and will need information, which will be saved for future submittals.

- Status – select the appropriate status from the dropdown.
    - New waste disposal areas will default as "New".
    - Existing land disposal areas will default to "Active" and can be changed to "Closed (Still Regulated)" if the area has been closed.
    - Facilities that are closing all land disposal activities and moving into postclosure care need to complete the Closure Document Issuance service to request MPCA approval of final closure.
- Type of land disposal – dropdown list with the different types of land disposal that could occur.
    - Options:
        - Demolition Debris Solid Waste;
            - Class I Demolition Debris;
            - Class II Demolition Debris;
            - Class III Demolition Debris; and
            - Concrete Burial (only available through the Notice of Coverage under the General Permit service).

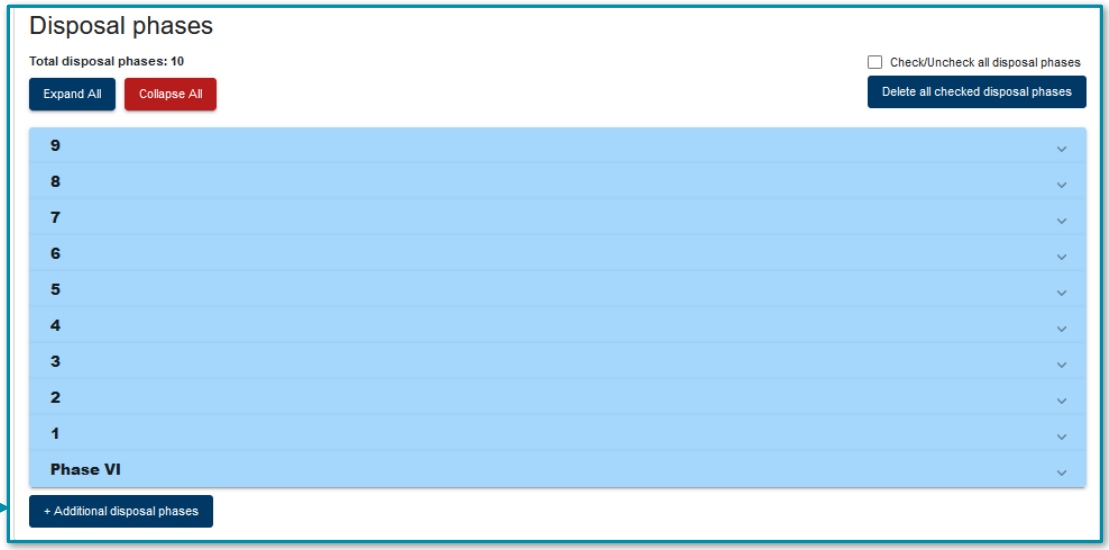
        - Industrial Solid Waste;
        - Mixed Municipal Solid Waste (MSW); or
        - Mixed Municipal Solid Waste Ash.
- Description – a short description of the activity.
    - For existing activities, this will prepopulate with what the current permit has.
    - Examples:
        - MSW Disposal Area;
        - Demo Landfill; or
        - Industrial Land Disposal Area.
- Size of Land Disposal Area – size of the area dedicated to this activity, not the parcel size.
- Size of Land Disposal Area Units – dropdown of the available units for the size of this activity.
    - "Acres" is the only option for this field.
- Permitted Capacity – the regulatory capacity for this activity.
    - This capacity includes the volume already filled by previous disposal activities and the airspace volume authorized to be used during the next permit term. Airspace volume is comprised of both waste and cover materials.
- Permitted Capacity Units – dropdown list of the units available for this permitted capacity.
    - "Cubic yards" is the only option for this field.
- Design Capacity – the maximum estimated potential airspace to be occupied by a land disposal facility, including all cover systems. This is an estimate dependent on the existing landholdings of the Permittee, existing regulations that affect development and design (including required buffer areas, stormwater management requirements, and slopes), engineering designs, and site developmental plans. It includes all areas that have been completed, all active areas, and all proposed areas based on the largest design footprint shown on the plan sheets. It is the volume that, upon final closure of the facility, would be occupied by waste (along with all associated materials including cover) measured from the base of the fill to the top of the proposed final cover.
    - This value must be equal to or greater than the permitted capacity.
    - This is not a regulated or authorized capacity; it is solely utilized for planning purposes.
- Design Capacity Units – dropdown list of the units available for the design capacity.
    - "Cubic yards" is the only option for this field.
- Certificate of Need Capacity Remaining (for MSW Disposal only) – the remaining certification of need (CON) capacity the facility has for MSW disposal.
- Certificate of Need Capacity Remaining Units (for MSW Disposal only) – dropdown list of the units available for the CON Capacity.
    - "Cubic yards" is the only option for this field.
    - If the CON for the facility was issued in "tons", use the following conversion:
        - $\frac{CON, tons}{\left[Previous\ 5\ yr. average\ compaction\ rate, \frac{lbs.}{cubic\ yard}\right] \times \frac{1\ ton}{2{,}000\ lbs.}}$
- Maximum Exterior Slope – largest slope approved (or proposed) for this specific disposal area, as a percent.
    - Examples:
        - 20% (5:1);
        - 25% (4:1);or
        - 33% (3:1).

- Maximum Change in Elevation – distance from surrounding grades to the peak of the land disposal fill area.
- Maximum Change in Elevation units – dropdown list of the units available for the Maximum Change in Elevation.
    - "Feet" is the only option for this field.

- Boundary – use the polygon tool to draw a shape around this land disposal area. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary.

Disposal Phases

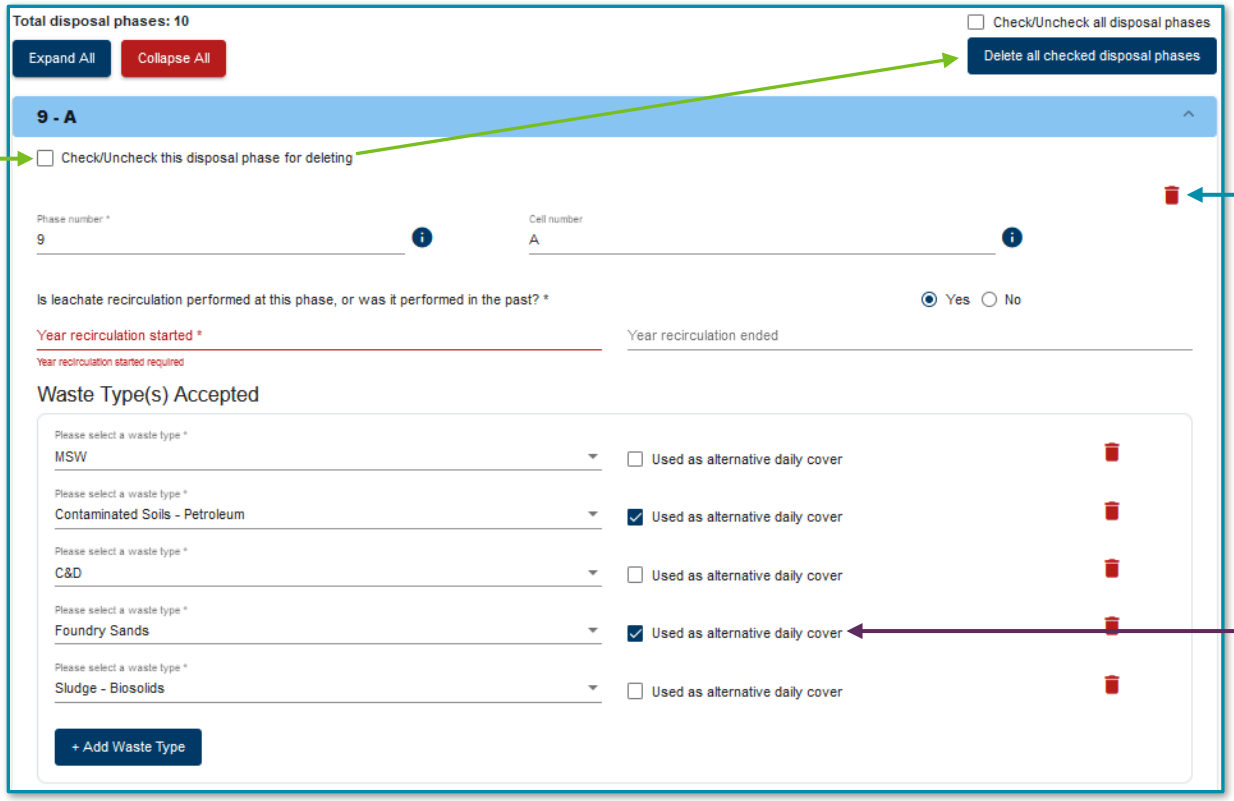
This section will store information related to each phase of the disposal area. For existing permits, each unique phase/cell within the disposal area will have a dedicated row (blue bar). Each row will include the waste types accepted, liner design, cover design, and construction status of the cover and liner. There may be some old, identical phases/cells that have been grouped together; however, all new or future phases/cells should have their own entry. Phases/cells that have been proposed beyond the current permit term may not be included.



Click anywhere in a row to expand the information for the corresponding phase/cell. Review and edit the information as necessary.

Add a phase/cell by using the "Additional disposal phases" button. When a new phase/cell is added, it is prepopulated with the information from the previous phase/cell. In the new phase/cell, only the differences will need to be updated.

Once a phase/cell row is expanded, the following fields will appear.



If necessary, delete the entire phase, one at a time, by using the red trash can in the far upper right.

Multiple phases can be deleted at one time by checking the box in the upper left "Check/Uncheck this disposal phase for deleting" and then clicking the "Delete all checked disposal phases" button above the disposal phases table.

- Phase Number – the number or designation for this phase.
  - This can be numeric or text and is required.
- Cell Number – if the phase is further divided into cells, provide the number or designation for this cell.
  - This can be numeric or text and is not required.
- "Is leachate recirculated…." – answer 'yes' or 'no' for this specific phase/cell.
  - If "yes", enter the year leachate recirculation started in that phase/cell and the year it ended. The start year is required, but the end year is only required if leachate is no longer recirculated in that phase/cell.
  - If "no", no further information is required.
- Waste Type(s) Accepted – add a row for each waste type accepted in that phase/cell.
  - Multiple waste types may be added. Refer to **Table A- 6** for MSW, **Table A- 7** for C&D, and **Table A- 8** for industrial land disposal facilities.
  - Please check the box next to the waste types that are approved and used as alternative daily cover (ADC).
  - If a waste type is not on this list or does not fit into one of the categories on this list, please contact the permit engineer assigned to the facility.

Liner Layers

This section captures the information specific to the liner design for this phase/cell.

If the phase/cell is unlined, check the "This phase is unlined" box in the upper left section of the page. No additional information is needed.

For lined phases/cells, the following information is required. This will prepopulate with information from the MPCA's database. If no data exists or this is a new phase/cell, the information entered here will prepopulate in future submittals.

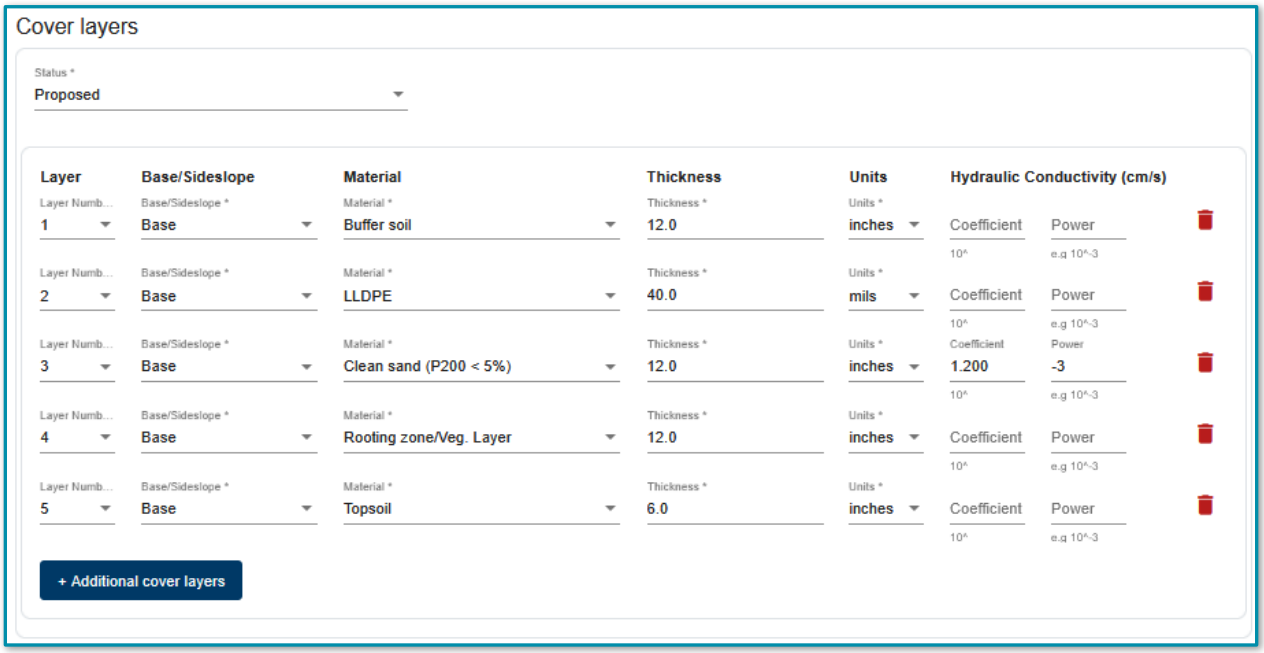
- Status – reflects the status, this may need to be updated now or in future submittals.
  - Options:
    - Proposed:
      - The design that is planned for this phase/cell, but construction has not commenced. Proposed designs beyond the current permit term may not be included.
    - Under Construction:
      - The phase/cell is actively being constructed.
    - Partially Completed:
      - Instances where only a portion the liner for a phase/cell is constructed.
    - Constructed:
      - If this status is selected, the "Construction Completion Date" will appear and require a date to be entered.
- "Does this phase have an individual sump" – yes/no selection required.
  - "Yes" – the phase/cell has a sump located within its footprint.
  - "No" – the phase/cell does not have a sump located within its footprint and directs leachate to another phase/cell.
- "Was leak location detection testing done at the time of construction" – yes/no selection required.
  - "Yes" – leak location testing was conducted during construction.
  - "No" – leak location testing was not conducted during construction.
- Layers Table:
  - A row should be entered for each unique layer in the liner design.
  - Layer Number – reflects the order of each layer.

    - Start at the bottom layer using number 1 (e.g., 1 = bottom layer, 2 = overlays 1, 3 = overlays 2, etc.).
        - Upon saving this screen, the service will put the layers in descending order. Additional layers may be added in any order. The Layer number can be edited to reorder layers if a layer was missing or subsequently added.
    - Each row needs a unique number for the Base or Sideslope.
        - The liner layer table may have a #1 for the Base layer and a #1 for the Sideslope layer.
- Base/Sideslope – used to detail differences in design between the base and sideslope.
    - For facilities where the base and sideslope use the same liner design, enter the information once as "Base" layers.
    - For facilities that have different designs on the base and sideslope, enter the entire design (all layers) for both.
- Material – dropdown list to select the type of material used in that layer.
    - Options:
        - Buffer soil;
        - Clay;
        - Clean Sand (P200<5%);
        - Erosion mat (wood, fiber, coconut);
        - Geocomposite (Geonet);
        - Geosynthetic Clay Liner (bentonite mat);
        - HDPE;
        - LLDPE;
        - PVC;
        - Rooting zone/Veg. Layer;
        - Synthetic Turf;
        - Topsoil; or
        - VLDPE.
        - Contact the MPCA engineer assigned to the facility if a proposed or used material is not on this list.
- Thickness – enter the thickness of the layer.
    - This field only allows numbers.
- Units – dropdown list of the possible units for the thickness.
    - Options:
        - Centimeters;
        - Feet;
        - Inches; or
        - Mils.
- Hydraulic Conductivity (cm/s) – enter the conductivity of that layer.
    - Only required for clay barrier layers and drainage layers (sand, geonet). Optional for all other "Material" types.
    - Coefficient is the number multiplied by the power of 10 – should be between 0 and 1.
    - Power is the exponent – should be less than 0 or negative integers.

$$[\text{Coefficient}] \times 10^{[\text{Power}]}$$

Cover Layers

This section captures the information specific to the cover design for this phase/cell.



This will prepopulate with information from the MPCA's database. If no data exists or this is a new phase/cell, the information entered here will prepopulate in future submittals.

- Status – reflects the status, this may need to be updated now or in future submittals.
  - Options:
    - Proposed:
      - The design that is planned for this phase/cell, but construction has not commenced. Proposed designs beyond the current permit term may not be included.
    - Under Construction:
      - The phase/cell is actively being constructed.
    - Partially Completed:
      - For instances where only a portion of the final cover over a phase/cell is constructed.
    - Constructed:
      - If this status is selected, the "Construction Completion Date" will appear and require a date to be entered.
- Layers Table:
  - A row should be entered here for each unique layer in the cover design.
  - Layer Number – reflects the order of each layer.
    - Start at the bottom layer using number 1 (e.g., 1 = bottom layer, 2 = overlays 1, 3 = overlays 2, etc.).
      - Upon saving this screen, the service will put the layers in descending order. Additional layers may be added in any order. The Layer number can be edited to reorder layers if a layer was missing or subsequently added.
    - Each row needs a unique number for the Base or Sideslope.

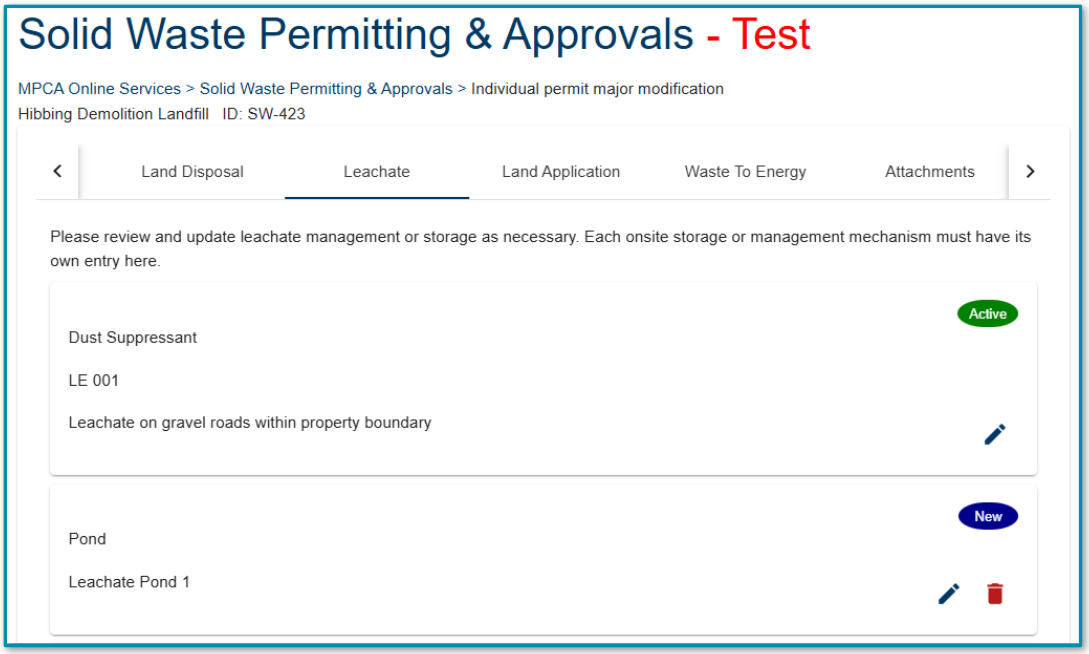
        - The cover layer table may have a #1 for the Base layer and a #1 for the Sideslope layer.
- Base/Sideslope – used to detail differences in design between the base and sideslope.
    - For facilities where the base and sideslope use the same cover design, only enter the information once as "Base" layers.
    - For facilities that have different designs on the base and sideslope, enter the entire design (all layers) for both.
- Material – dropdown list to select the type of material used in that layer.
    - Options:
        - Buffer soil;
        - Clay;
        - Clean Sand (P200<5%);
        - Erosion mat (wood, fiber, coconut);
        - Geocomposite (Geonet);
        - Geosynthetic Clay Liner (bentonite mat);
        - HDPE;
        - LLDPE;
        - PVC;
        - Rooting zone/Veg. Layer;
        - Synthetic Turf;
        - Topsoil; or
        - VLDPE.
        - Contact the MPCA engineer assigned to the facility if a proposed or used material is not on this list.
- Thickness – enter the thickness of the layer.
    - This field only allows numbers.
- Units – dropdown list of the possible units for the thickness.
    - Options:
        - Centimeters;
        - Feet;
        - Inches; or
        - Mils.
- Hydraulic Conductivity (cm/s) – enter the conductivity of that layer.
    - Only required for clay barrier layers and drainage layers (sand, geonet). Optional for all other "Material" types.
    - Coefficient is the number multiplied by the power of 10 – should be between 0 and 1.
    - Power is the exponent – should be less than 0 or negative integers.

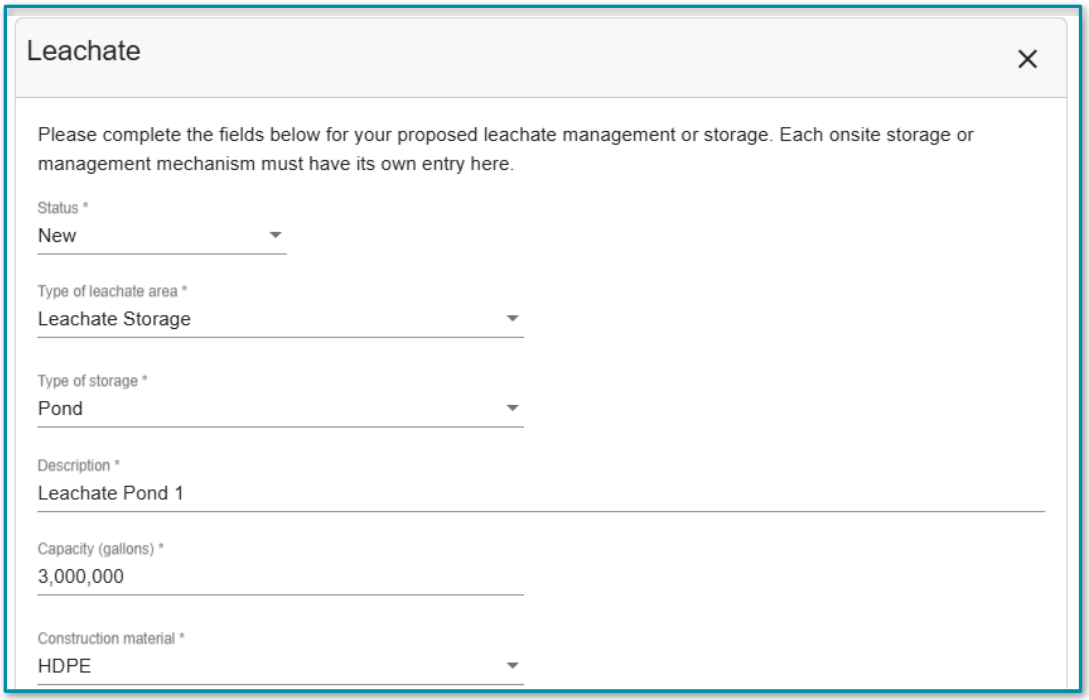
$$[\text{Coefficient}] \times 10^{[\text{Power}]}$$

Clicking the Save button will save all updates made to this land disposal area and redirects the user back to the main Land Disposal activity screen. Any errors will be detailed in error messages on the Land Disposal activity screen after clicking the "Next" button. The errors will also be displayed in red text next to the fields with an error.

Leachate

This screen captures the information specific to each on-site leachate storage area and management activity. If a facility has multiple storage areas or management activities for leachate, there should be an individual entry for each of the separate areas and activities.



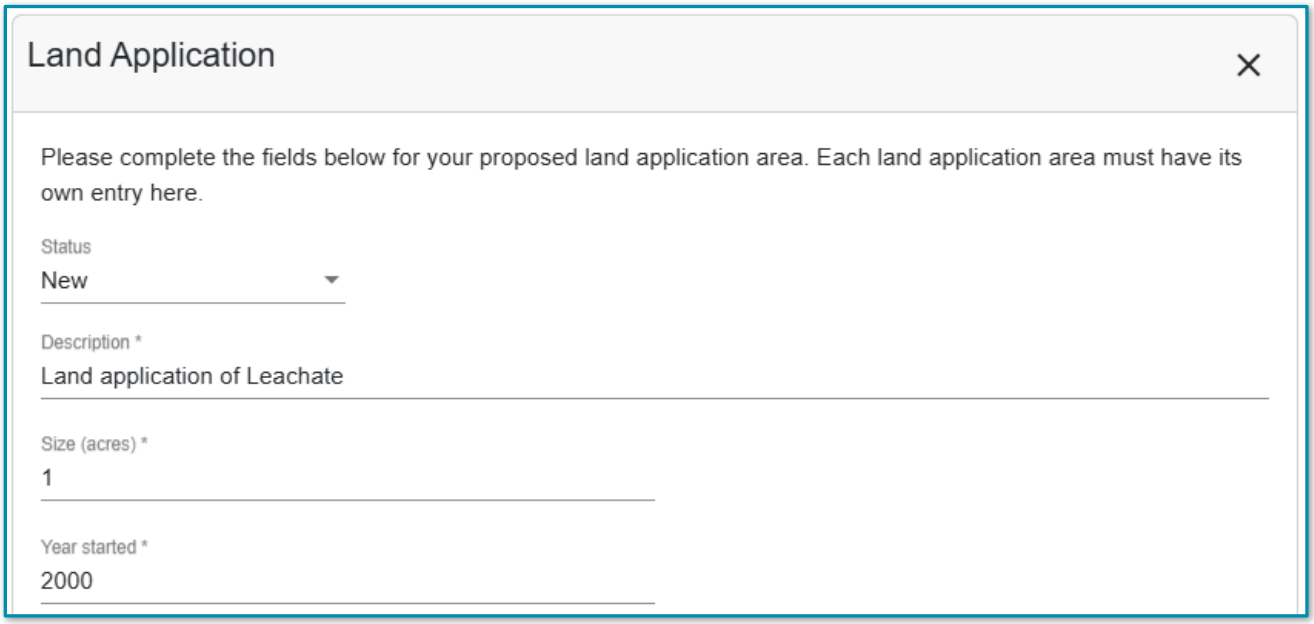


- Status – select the appropriate status from the dropdown.
  - New leachate areas and activities will default as “New”.
  - Existing leachate areas and activities will default to “Active” and can be changed to “Inactive” if the areas have been removed or if the activities will not occur on-site anymore.

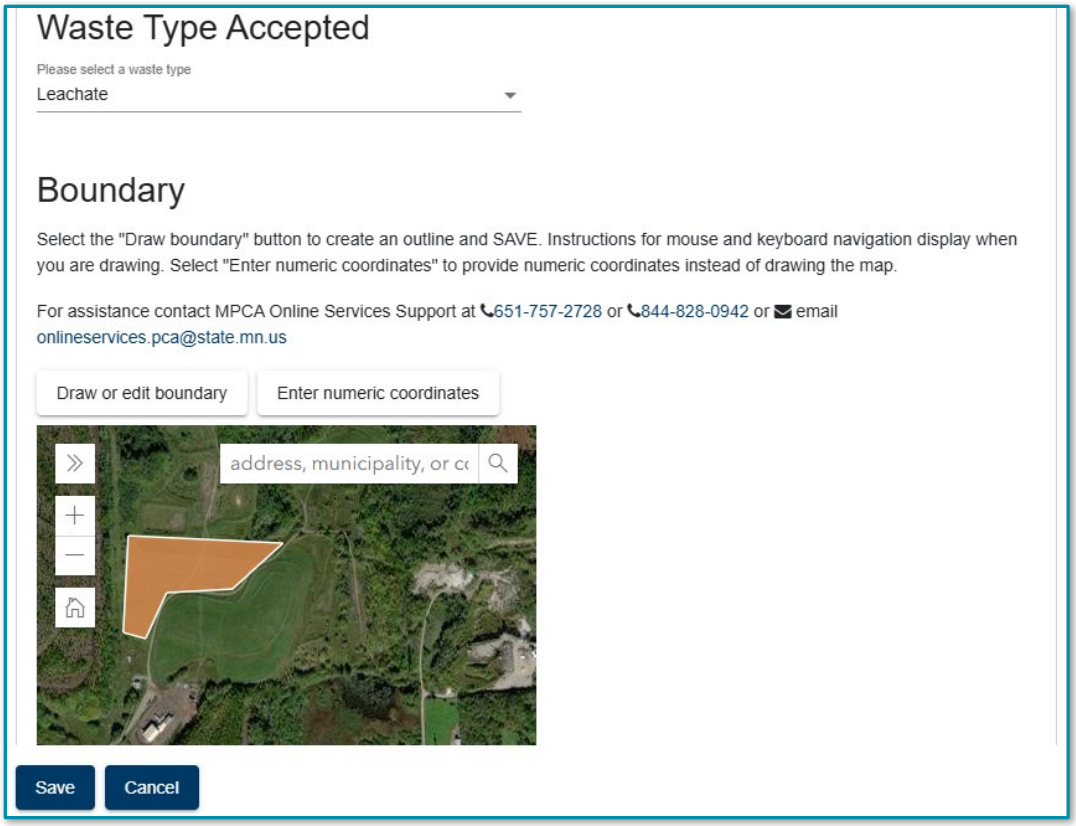
- Type of leachate area – dropdown list with the different types of activities that could occur.
    - Options:
        - Leachate Management:
            - Add to compost;
            - Aeration;
            - Constructed Wetland;
            - Dust Suppressant;
            - Phytoremediation;
            - Pretreatment; or
            - Recirculation.
        - Leachate Storage:
            - Aboveground Storage Tank;
            - Pond;
            - Sump; or
            - Underground Storage Tank.
- Description – a short description of the leachate storage area or management activity.
    - For existing storage areas and activities, this will prepopulate with what the current permit has.
    - Area Examples:
        - Leachate Tank #1;
        - Phase 1, Cell A Sump; or
        - Leachate Pond.
    - Activity Examples:
        - Leachate Recirculation; or
        - Pond 1 Aeration.
- For leachate storage areas, the following two fields appear after the description:
    - Capacity – the volume of leachate the storage area can hold, in gallons.
    - Construction Material – dropdown list of possible materials the storage area could be constructed with.
        - Options:
            - Carbon Steel;
            - Clay;
            - Fiberglass;
            - Galvanized Steel;
            - HDPE;
            - PVC; or
            - Stainless Steel.
- For leachate management activities, the following two fields appear after the description:
    - Size – size of the area dedicated to this activity, not the parcel size, in acres.
    - Year started – enter the year this specific management activity began on-site.
- Boundary – use the polygon tool to draw a shape around this leachate storage area or management activity. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary. For smaller activities/areas, like tanks, polygons are not available; instead, a single dot must be placed on the map to show the location of the leachate activity/area.

Land Application

This screen captures information specific to each land application area for waste or leachate. If a facility has multiple land application areas, there should be an individual entry for each of the separate areas.



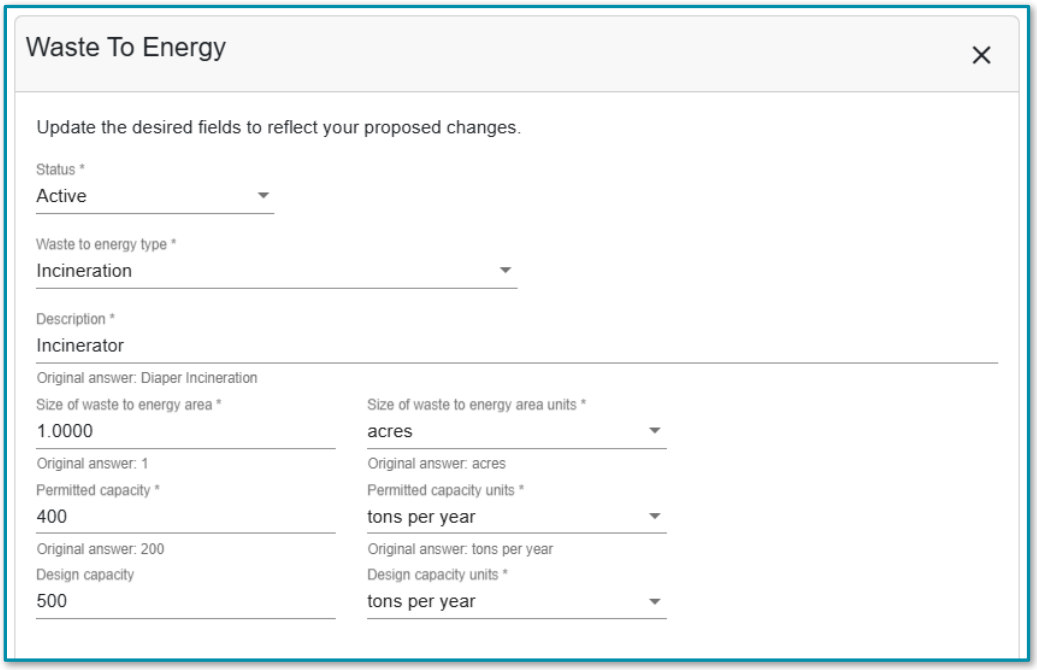
- Status – select the appropriate status from the dropdown.
    - New land application areas will default as “New”.
    - Existing land application areas will default to “Active” and can be changed to “Inactive” if land application will no longer occur on-site.
- Description – a short description of the land application area.
    - For existing areas, this will prepopulate with what the current permit has.
    - Examples:
        - Land application of Leachate; or
        - Land application of industrial by-products.
    - Size – size of the area dedicated to this activity, not the parcel size, in acres.
    - Year started – enter the year that the land application began.



- Waste Type(s) Accepted – For land application, the types of wastes that can be land applied are determined by Minnesota State rules and statutes and permit conditions.
    - This is a dropdown list of waste types previously approved for land application. It includes, but is not limited to:
        - Contaminated Soils – Other;
        - Contaminated Soils – Petroleum;
        - Eggshells;
        - Food/Beverage Manufacturing Waste;
        - Leachate;
        - Lime;
        - Off spec Product; or
        - Sugar Beet By-products.
- Boundary – use the polygon tool to draw a shape around this land application area. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary.

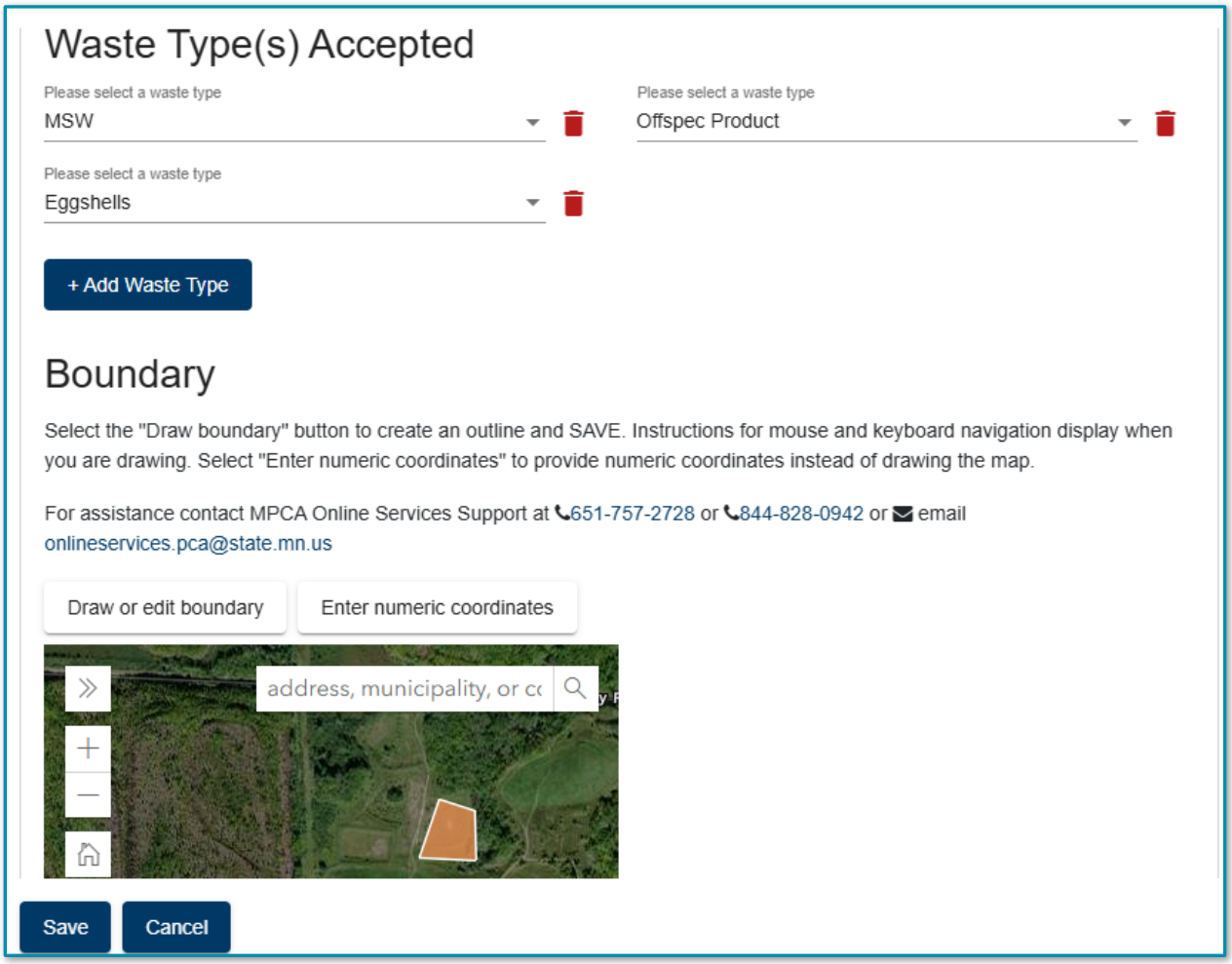
Waste to Energy

This screen captures the information specific to each waste to energy activity. If a facility has multiple waste to energy activities, there should be an individual entry for each of the separate activities.



- Status – select the appropriate status from the dropdown.
    - New waste to energy activities will default as “New”.
    - Existing waste to energy activities will default to “Active” and can be changed to “Inactive” if the activity will no longer occur.
- Type of processing – dropdown list with the different types of waste to energy activities that could occur.
    - Options:
        - Incineration; or
        - Anaerobic Digestion.
- Description – a short description of the activity.
    - For existing activities, this will prepopulate with what the current permit has.
    - Examples:
        - Incinerator; or
        - Anaerobic Digestor.
- Size of Waste to Energy Area* – size of the area dedicated to this activity, not the parcel size.
- Size of Waste to Energy Area Units* – dropdown of the available units for the size of this activity.
    - Options:
        - Square Feet; or
        - Acres.
- Permitted Capacity* – the regulatory capacity for this activity.
    - This activity is permitted based on an annual throughput.
- Permitted Capacity Units* – dropdown list of the units available for the permitted capacity.
    - Options:
        - Cubic yards per year; or

        - Tons per year.
- Design Capacity* – the capacity the facility is designed to potentially manage for this specific area. It must be equal to or greater than the permitted capacity. This is not a regulated or authorized capacity; it is solely utilized for planning purposes.
- Design Capacity Units* – dropdown list of the units available for the design capacity.
    - Options:
        - Cubic yards per year; or
        - Tons per year.

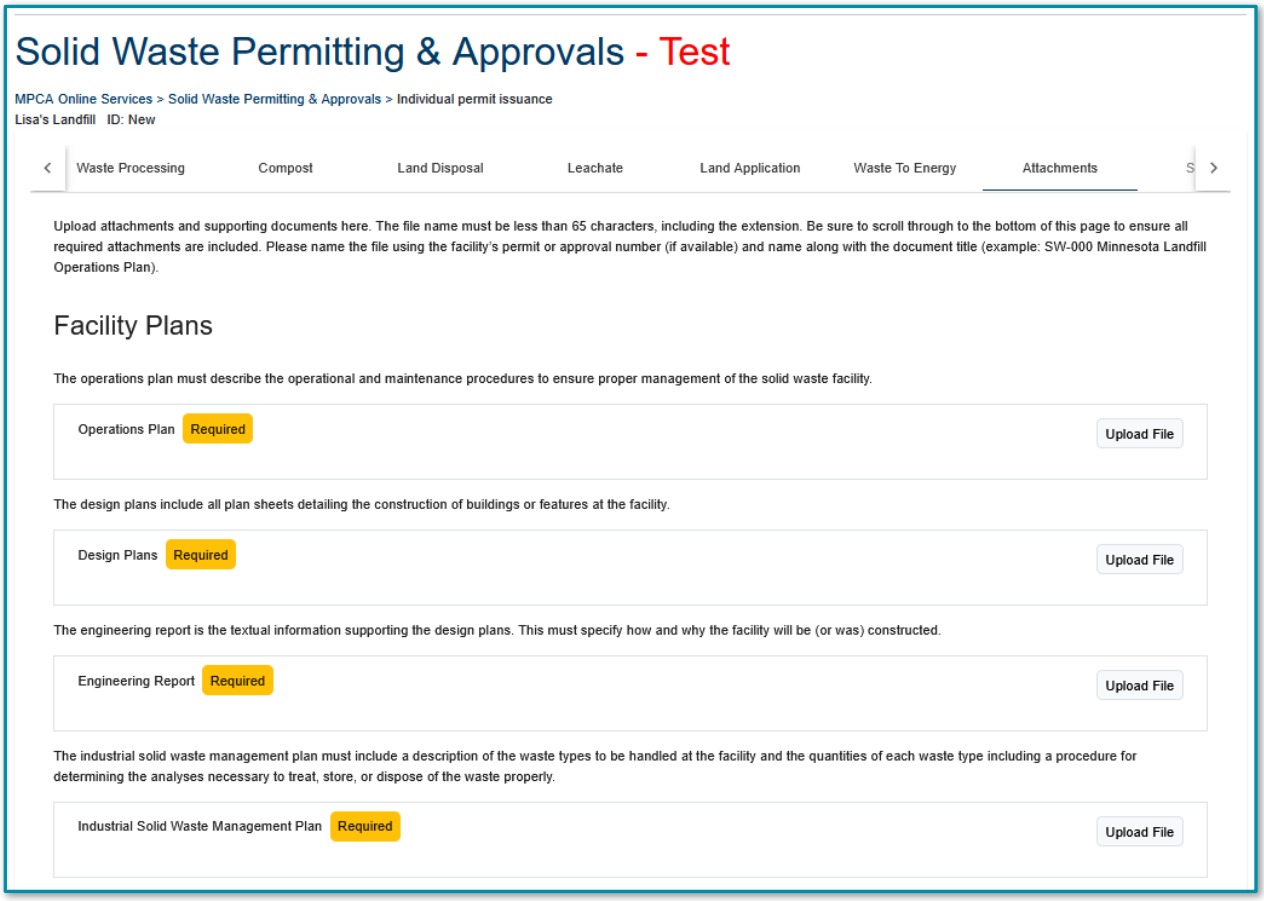


- Waste Type(s) Accepted – select all waste types that may be processed using this waste to energy activity.
    - Refer to **Table A- 9** for a list of potential processed waste types.

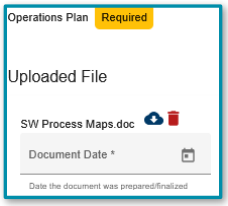
- Boundary – use the polygon tool to draw a shape around the area where this waste to energy activity will occur. This is not a regulatory boundary and is for spatial data only. The latitude and longitude coordinates may also be used to define the boundary.

Attachments

This screen allows the facility to attach/upload the required plans and documents. Refer to the Submittal Readiness screen for a list of potential plans and documents that may be required. The screenshot below is only a portion of the full screen. Separate each plan or attachment, do not combine them into one document. Separate documents will ensure a complete application has been submitted and help expedite MPCA review of the permit application.



The service can accept different file types such as PDFs, Word documents, Excel files, or image files. Once a document has been uploaded, enter the date the document was prepared/finalized.



Minn. R. 7001.3150 requires that all technical documents, such as design drawings and specifications, engineering reports, and hydrogeologic studies, be certified by an engineer registered in Minnesota. In addition, all hydrogeologic reports and all related ground water and surface water monitoring reports must be signed by a person knowledgeable in the field of hydrogeology. The certifications and signatures should be on each technical document submitted with the application.

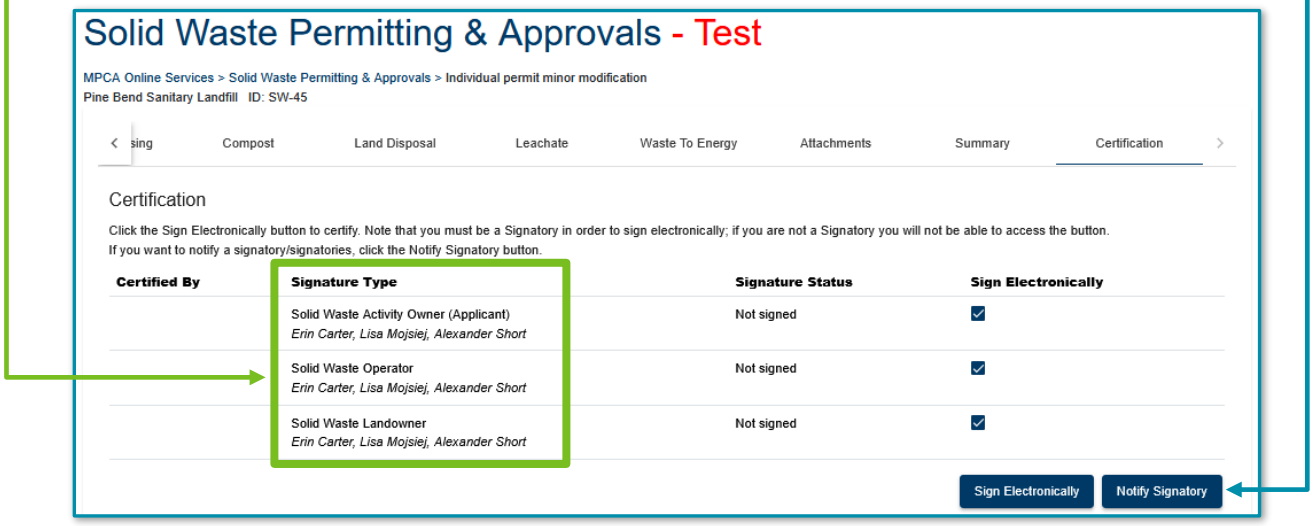
Summary

This is a compilation of all the information contained in the submittal. Review the summary for accuracy and make edits as necessary.

Certification

This is the final step in the submittal process. For individual permits, a certification is required from all solid waste activity owners, solid waste operators, and solid waste landowners. In cases where there are more than one of a permittee type (e.g., two landowners), a signature is required from each permittee (e.g., both landowners must sign). The online services can accommodate only one electronic signature per permittee type. Additional signatures must be submitted using this form: w-sw7-57.

The service will display the people that have signatory access and can certify the application. If others are needed to complete the certification, use the "Notify Signatory" button to let them know that the submittal is ready for their certification.



To sign electronically, the user will need to correctly answer a security question. That question would have been created while setting up an account.

Appendix A: Waste Type(s) Accepted

Table A- 1: Transfer Station

Transfer Station Waste	
Absorbents and Erosion Control Materials	Grit and Bar Screening Waste
Adhesives, Coatings, and Sealants	Gypsum Drywall
Aluminum Oxide	Imprelis Contaminated Yard Waste
Animal Carcasses	Lime
Asbestos - Friable Class 1	Mattresses
Asbestos - Friable Class 2	Mining Waste
Asbestos - Non-Friable Class 1	MSW
Asbestos - Non-Friable Class 2	Naturally Occurring Radioactive Material
Ash - Coal Bottom Ash	Offspec Product
Ash - Coal Fly Ash	Packaging/Containers (Drums, Sacks, etc)
Ash - Coal Mixed Ash	Paint Residues, Filter, Dust
Ash - Mixed Ash	PCB Containing Waste
Ash - Wood Ash	Railroad Ties
Auto and Window Glass	Resins
Autoclave Waste	Sandblasting Media
Brush	Sawdust
C&D	Shingles (Asphalt)
Carpet	Shredder Fluff
Carpet Padding	Sludge - Biosolids
Ceiling Tiles	Sludge - Lime
Ceramics	Sludge - Other
Clean Wood/Lumber/Pallets	Sludge - Paper
Concrete/Asphalt/Brick	Spent Activated Carbon Filters
Contaminated Soils - Other	Spent Toner Cartridges & Printing Wastes
Contaminated Soils - Petroleum	Spilled Non-hazardous Wastes
Eggshells	Street Sweepings
Empty Pesticide Containers	Textiles
Finishing and Deburring Residue	Wood Chips
Food/Beverage Manufacturing Waste	Yard Waste
Foundry Sands	

Table A- 2: Recyclable Materials

Recycling
Aluminum
Appliances
Cardboard
Electronics
Ferrous Metals
Glass – if the Glass is collected for beneficial use (e.g. glass used as road base or sandblasting media), that information should be entered as a Solid Waste Storage activity.
Non-ferrous Metals
Paper
Plastic
Single Stream/Commingled Recyclables
Source Separated Organic Material

Table A- 3: Solid Waste Storage Materials

Storage Prior to Beneficial Use		
Clean Wood/Lumber/Pallets		
Concrete/Asphalt/Brick		
Glass		
Shingles (Asphalt)		
Wood Chips		
Storage Prior to Disposal		
Absorbents and Erosion Control Materials	Contaminated Soils - Petroleum	Packaging/Containers (Drums, Sacks, etc)
Aluminum Oxide	Diapers	Paint Residues, Filter, Dust
Animal Manure	Eggshells	PCB Containing Waste
Ash - Coal Bottom Ash	Empty Pesticide Containers	Railroad Ties
Ash - Coal Fly Ash	Finishing and Deburring Residue	Resins
Ash - Coal Mixed Ash	Fish Waste	Sandblasting Media
Ash - Mixed Ash	Food/Beverage Manufacturing Waste	Sanitary Products
Ash - MSW Combustor Ash	Foundry Sands	Sawdust
Ash - Wood Ash	Grit and Bar Screening Waste	Shredder Fluff
Auto and Window Glass	Gypsum Drywall	Sludge - Biosolids
Autoclave Waste	Imprelis Contaminated Yard Waste	Sludge - Lime
Brush	Lime	Sludge - Other
C&D	Mattresses	Sludge - Paper
Carpet	Meat By-products	Spent Activated Carbon Filters
Carpet Padding	Mining Waste	Spent Toner Cartridges & Printing Wastes
Ceiling Tiles	MSW	Spilled Non-hazardous Wastes
Ceramics	Naturally Occurring Radioactive Material	Street Sweepings
Contaminated Soils - Other	Offspec Product	Textiles
Tire Storage		
Tires		

Table A- 4: Waste Processing

Refused-Derived Fuel Processing	
MSW	
Offspec Product	
Textiles	
Solid Waste Processing	
Brush	Mattresses
C&D	MSW
Clean Wood/Lumber/Pallets	Shingles (Asphalt)
Concrete/Asphalt/Brick	Single Stream/Commingled Recyclables
Gypsum Drywall	
Sorting and Baling of Recyclables	
Single Stream/Commingled Recyclables	
Tire Processing	
Tires	
Waste Shredding	
Brush	Gypsum Drywall
C&D	Imprelis Contaminated Yard Waste
C&D Class I	Industrial Solid Waste
C&D Class II	Mattresses
C&D Class III	MSW
Carpet	Offspec Product
Carpet Padding	Railroad Ties
Ceiling Tiles	Shingles (Asphalt)
Clean Wood/Lumber/Pallets	Source Separated Organic Material
Concrete/Asphalt/Brick	Textiles
Empty Pesticide Containers	Tires
Food/Beverage Manufacturing Waste	Yard Waste

Table A- 5: Compost

Solid Waste Composting	
Animal Carcasses	Lime
Animal Manure	MSW
Brush	Offspec Product
Cardboard	Paper
Clean Wood/Lumber/Pallets	Sanitary Products
Contaminated Soils - Other	Sawdust
Contaminated Soils - Petroleum	Source Separated Organic Material
Diapers	Street Sweepings
Eggshells	Wood Chips
Food/Beverage Manufacturing Waste	Yard Waste
Source-Separated Organic Material Composting	
Animal Carcasses[1]	Meat By-products[1]
Animal Manure[1]	Paper
Brush	Sanitary Products[1]
Cardboard	Sawdust
Diapers[1]	Source Separated Organic Material
Eggshells	Wood Chips
Fish Waste[1]	Yard Waste
Food-derived Vegetative Waste	
Yard Waste Composting	
Brush	
Wood Chips	
Yard Waste	

[1] This waste type needs MPCA approval before it can be composted.

Table A- 6: MSW Land Disposal

Mixed Municipal Solid Waste	
Absorbents and Erosion Control Materials	Foundry Sands
Adhesives, Coatings, and Sealants	Grit and Bar Screening Waste
Aluminum Oxide	Gypsum Drywall
Animal Carcasses	Imprelis Contaminated Yard Waste
Animal Manure	Lime
Asbestos - Friable Class 1	Mattresses
Asbestos - Friable Class 2	Meat By-products
Asbestos - Non-Friable Class 1	Mining Waste
Asbestos - Non-Friable Class 2	MSW
Ash - Coal Bottom Ash	Naturally Occurring Radioactive Material
Ash - Coal Fly Ash	Offspec Product
Ash - Coal Mixed Ash	Packaging/Containers (Drums, Sacks, etc)
Ash - Mixed Ash	Paint Residues, Filter, Dust
Ash - Wood Ash	PCB Containing Waste
Auto and Window Glass	Railroad Ties
Autoclave Waste	Resins
Brush	Sandblasting Media
C&D	Sanitary Products
Carpet	Sawdust
Carpet Padding	Shingles (Asphalt)
Ceiling Tiles	Shredder Fluff
Ceramics	Sludge - Biosolids
Chronic Wasting Disease Animal Waste	Sludge - Lime
Clean Wood/Lumber/Pallets	Sludge - Other
Concrete/Asphalt/Brick	Sludge - Paper
Contaminated Soils - Other	Spent Activated Carbon Filters
Contaminated Soils - Petroleum	Spent Toner Cartridges & Printing Wastes
Diapers	Spilled Non-hazardous Wastes
Eggshells	Street Sweepings
Empty Pesticide Containers	Textiles
Finishing and Deburring Residue	Treated Seed
Fish Waste	Wood Chips
Food/Beverage Manufacturing Waste	
Mixed Municipal Solid Waste Ash	
Ash - MSW Combustor Ash	MSW

Table A- 7: Demolition Debris Land Disposal

Class I	Class III	
Asbestos - Friable Class 1	Absorbents and Erosion Control Materials	Food/Beverage Manufacturing Waste
Asbestos - Friable Class 2	Adhesives, Coatings, and Sealants	Foundry Sands
Asbestos - Non-Friable Class 1	Aluminum Oxide	Grit and Bar Screening Waste
Asbestos - Non-Friable Class 2	Asbestos - Friable Class 1	Gypsum Drywall
Brush	Asbestos - Friable Class 2	Imprelis Contaminated Yard Waste
C&D Class I	Asbestos - Non-Friable Class 1	Lime
Ceramics	Asbestos - Non-Friable Class 2	Mining Waste
Clean Wood/Lumber/Pallets	Ash - Coal Bottom Ash	Naturally Occurring Radioactive Material
Concrete/Asphalt/Brick	Ash - Coal Fly Ash	Offspec Product
Class II	Ash - Coal Mixed Ash	Packaging/Containers (Drums, Sacks, etc)
Asbestos - Friable Class 1	Ash - Mixed Ash	Paint Residues, Filter, Dust
Asbestos - Friable Class 2	Ash - Wood Ash	PCB Containing Waste
Asbestos - Non-Friable Class 1	Auto and Window Glass	Railroad Ties
Asbestos - Non-Friable Class 2	Autoclave Waste	Resins
Brush	Brush	Sandblasting Media
C&D Class I	C&D Class I	Sawdust
C&D Class II	C&D Class II	Shingles (Asphalt)
Ceramics	C&D Class III	Shredder Fluff
Clean Wood/Lumber/Pallets	Carpet	Sludge - Biosolids
Concrete/Asphalt/Brick	Carpet Padding	Sludge - Lime
Packaging/Containers (Drums, Sacks, etc)	Ceiling Tiles	Sludge - Other
Wood Chips	Ceramics	Sludge - Paper
	Clean Wood/Lumber/Pallets	Spent Activated Carbon Filters
	Concrete/Asphalt/Brick	Spent Toner Cartridges & Printing Wastes
	Contaminated Soils - Other	Spilled Non-hazardous Wastes
	Contaminated Soils - Petroleum	Street Sweepings
	Eggshells	Textiles
	Empty Pesticide Containers	Treated Seed
	Finishing and Deburring Residue	Wood Chips

Table A- 8: Industrial Waste Land Disposal

Industrial Solid Waste	
Absorbents and Erosion Control Materials	Meat By-products
Adhesives, Coatings, and Sealants	Mining Waste
Aluminum Oxide	Naturally Occurring Radioactive Material
Animal Manure	Offspec Product
Asbestos - Friable Class 1	Packaging/Containers (Drums, Sacks, etc)
Asbestos - Friable Class 2	Paint Residues, Filter, Dust
Asbestos - Non-Friable Class 1	PCB Containing Waste
Asbestos - Non-Friable Class 2	Railroad Ties
Ash - Coal Bottom Ash	Resins
Ash - Coal Fly Ash	Rock and Sand Catcher Material
Ash - Coal Mixed Ash	Sandblasting Media
Ash - Mixed Ash	Sanitary Products
Ash - Wood Ash	Sawdust
Auto and Window Glass	Shingles (Asphalt)
Autoclave Waste	Shredder Fluff
Brush	Sludge - Biosolids
C&D	Sludge - Lime
Carpet	Sludge - Other
Carpet Padding	Sludge - Paper
Ceiling Tiles	Sludge - Stormwater Pond
Ceramics	Spent Activated Carbon Filters
Chronic Wasting Disease Animal Waste	Spent Toner Cartridges & Printing Wastes
Clean Wood/Lumber/Pallets	Spilled Non-hazardous Wastes
Concrete/Asphalt/Brick	Street Sweepings
Contaminated Soils - Other	Sugar Beet By-product - Mud Pond Solids
Contaminated Soils - Petroleum	Sugar Beet By-product - Mud Press Solids
Diapers	Sugar Beet By-product - Tare 1
Eggshells	Sugar Beet By-product - Tare 2
Empty Pesticide Containers	Sugar Beet By-product - Type 3
Finishing and Deburring Residue	Sugar Beet Juice
Fish Waste	Sugar Beet Piling Site Clean-Up
Food/Beverage Manufacturing Waste	Sugar Beet Sludge
Foundry Sands	Sugar Beet Tailings
Grit and Bar Screening Waste	Sugar Beet Weeds
Gypsum Drywall	Textiles
Imprelis Contaminated Yard Waste	Treated Seed
Lime	Wood Chips
Mattresses	

Table A- 9: Waste to Energy

Anaerobic Digestion	
Adhesives, Coatings, and Sealants	Spilled Non-hazardous Wastes
Appliances	Steel
Asbestos	Street Sweepings
Asbestos - Friable Class 1	Sugar Beet By-product - Mud Pond Solids
Asbestos - Friable Class 2	Sugar Beet By-product - Mud Press Solids
Auto and Window Glass	Sugar Beet By-product - Tare 1
Autoclave Waste	Sugar Beet By-product - Tare 2
Carpet Padding	Sugar Beet By-product - Type 3
Ceiling Tiles	Sugar Beet Juice
Chronic Wasting Disease Animal Waste	Sugar Beet Piling Site Clean-Up
Eggshells	Sugar Beet Sludge
Lime	Sugar Beet Tailings
Paint Residues, Filter, Dust	Sugar Beet Weeds
Railroad Ties	Textiles
Single Stream/Commingled Recyclables	Tires
Sludge - Biosolids	Treated Seed
Sludge - Lime	Wood Chips
Sludge - Other	Yard Waste
Incineration	
Adhesives, Coatings, and Sealants	Paint Residues, Filter, Dust
Aluminum Oxide	Railroad Ties
Asbestos - Friable Class 1	Resins
Asbestos - Friable Class 2	Rock and Sand Catcher Material
Carpet Padding	Sandblasting Media
Ceiling Tiles	Sanitary Products
Ceramics	Sawdust
Chronic Wasting Disease Animal Waste	Shingles (Asphalt)
Contaminated Soils - Other	Shredder Fluff
Contaminated Soils - Petroleum	Single Stream/Commingled Recyclables
Diapers	Sludge - Biosolids
Eggshells	Sludge - Lime
Foundry Sands	Sludge - Other
Grit and Bar Screening Waste	Sludge - Paper
Gypsum Drywall	Sludge - Stormwater Pond
Hazardous Waste	Source Separated Organic Material
Imprelis Contaminated Yard Waste	Source Separated Recyclable Material
Industrial Solid Waste	Spent Toner Cartridges & Printing Wastes
Leachate	Spilled Non-hazardous Wastes
Lime	Street Sweepings
Mattresses	Sugar Beet By-product - Mud Pond Solids
Offspec Product	Sugar Beet By-product - Mud Press Solids
Packaging/Containers (Drums, Sacks, etc)	Sugar Beet By-product - Tare 1

Appendix B: FAQ

1. **Where did my recycling activity go?** Solid Waste Storage and Recycling have been used interchangeably, which is evident by some permits using Solid Waste Storage for the storage of appliances, while other permits have used Recycling. To improve the data and standardize the permitting process, all permits should detail appliances the same way – as a Recyclable.

2. **What's the difference between solid waste storage and recycling?** Solid Waste Storage and Recycling are the two waste activities with the most overlap. The Recycling and Solid Waste Storage section contain more information as to what should be included in each activity. The rule of thumb is common recyclable materials such as paper, metal, plastic, electronics, and appliances use the Recycling activity. The storage of solid waste prior to disposal or beneficial use and waste tire storage are covered under the Solid Waste Storage Activity.

3. **Why are there so many blank fields in my application?** Some of the fields are relatively new due to the online services' capabilities to manage new data. These fields may be blank and will need information, which will be saved for future submittals.