

# Compost Facility

Adopted pursuant to [The Environmental Management and Protection Act, 2010](#)

## PART 1 - General

### Application

- 1-1(1) This chapter applies to every person who owns, or intends to establish, a compost facility.
- (2) This chapter does not apply to the following activities:
- (a) backyard composting;
  - (b) composting at community gardens of materials that are generated on site;
  - (c) the composting of materials resulting from agricultural operations that are composted on the same property where they are generated;
  - (d) the composting of materials where all steps of the composting process are completed inside of closed vessels surrounded by secondary containment storage;
  - (e) the composting of materials that are regulated by any other Act, regulation or chapter of this code;
  - (f) any other activity as directed by the minister.

#### Information Note

This chapter comes into force on May 14, 2025.

In accordance with section 84 of the Act, it is an offence to fail to comply with the code.

For definitions of terms see “Glossary of Terms” at end of chapter.

Non-municipal or privately owned composting facilities may require financial assurance as required by *The Environmental Management and Protection Act, 2021* clause 28(1)(g).

### Compliance

- 1-2 Subject to sections 1-1 and 1-4, every person who owns, or intends to establish, a compost facility:
- (a) that composts 15,000 tonnes or more of either or both feedstock and amendment annually shall comply with all the requirements established pursuant to:
    - (i) Part 1; and
    - (ii) Part 2.
  - (b) that composts less than 15,000 tonnes of either or both feedstock and amendment annually shall comply with all the requirements established pursuant to:
    - (i) Part 1; and
    - (ii) either:
      - (A) Part 2; or
      - (B) Part 3.

## Notification required

- 1-3(1)** Every owner of a compost facility shall provide:
- (a) notice to the minister in a form and manner determined by the minister, if the owner intends to establish a compost facility or is operating a compost facility pursuant to a permit mentioned in subsection 1-4(2); and
  - (b) the minister with any other information or material that the minister may reasonably require before establishing a compost facility.
- (2) The minister shall provide a notification number to the owner of the compost facility.
- (3) Every owner of a compost facility shall include the notification number on all documents required to be prepared and retained pursuant to this chapter.

### Information Note

A person may notify the minister electronically by using the following link:

<https://envrbrportal.crm.saskatchewan.ca/>.

Further guidance can be requested at:

Government of Saskatchewan  
1-800-567-4224 (toll free in Canada)  
306-787-2584 in Regina  
Centre.inquiry@gov.sk.ca

## Transitional - permits

- 1-4(1)** This section applies to every owner of a compost facility that is operating a compost facility on the day on which this chapter comes into force.
- (2) In accordance with section 103 of the Act, every permit for a compost facility that was in force on the day before this chapter comes into force is continued in force until October 1, 2025 unless the permit is otherwise surrendered or cancelled before that date.
- (3) On or before October 1, 2025, an owner of a compost facility who holds a valid permit for a compost facility mentioned in subsection (1) shall comply with all provisions of this chapter, including providing notification as required pursuant to section 1-3.
- (4) Every owner of a compost facility that is operating a compost facility on the day on which this chapter comes into force, but who does not hold a valid permit for that compost facility shall, on or before October 1, 2025, comply with all provisions of this chapter, including providing notification as required pursuant to section 1-3.
- (5) Notwithstanding subsections (3) and (4), an owner of a compost facility that is operating a compost facility on the day on which this chapter comes into force is not required to comply with the siting, design and construction requirements set out in this chapter, unless the owner of the compost facility is expanding the compost facility or the operation of the compost facility on this site may cause an adverse environmental effect, but all other requirements apply.
- (6) Notwithstanding subsections (3) to (5), an owner of a compost facility that is operating a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually on the day this chapter comes into force shall comply with the following:
- (a) subject to subsection 3-1(1), Part 1;
  - (b) section 3-1 except for subsection 3-1(2).

## Qualified person and certificates

- 1-5(1) For the purposes of clause 2(1)(bb) of the Act, in this chapter “qualified person” means:
- (a) for the purposes of certifying an environmental protection plan:
    - (i) a person licensed to practise professional engineering or professional geoscience pursuant to *The Engineering and Geoscience Professions Act*;
    - (ii) a person who is a practising member as defined in *The Agrologists Act, 1994*;
    - (iii) a person who is an applied science technologist pursuant to *The Saskatchewan Applied Science Technologists and Technicians Act* who has 8 years of experience in the area of work to be performed that is recognized by the Saskatchewan Applied Science Technologists and Technicians;
    - (iv) an individual who is designated by the minister or who is a member of a class of persons designated by the minister pursuant to the Act to undertake the activity;
  - (b) for the purposes of certifying a site suitability report and design, any person mentioned in subclause (a)(i), (ii), (iii) or (iv)
  - (c) for the purposes of certifying a construction verification report, any person mentioned in subclause (a)(i), (ii), (iii) or (iv);
  - (d) for the purposes of certifying an environmental monitoring plan, any person mentioned in subclause (a)(i), (ii), (iii) or (iv);
  - (e) for the purposes of certifying an environmental monitoring report, any person mentioned in subclause (a)(i), (ii), (iii) or (iv);
  - (f) for the purpose of certifying a closure report, any person mentioned in subclause (a)(i), (ii), (iii) or (iv);
  - (g) for the purposes of certifying a laboratory analysis, an individual who is designated by the minister or who is a member of a class of persons designated by the minister pursuant to the Act to undertake the activity; and
  - (h) for the purposes of certifying the quality assurance and quality control sampling and analytical procedures:
    - (i) a person who is an applied science technologist or certified technician pursuant to *The Saskatchewan Applied Science Technologists and Technicians Act*; or
    - (ii) any person mentioned in subclause (a)(i), (ii) or (iv).
- (2) Every owner of a compost facility shall ensure that any certificate provided by a qualified person in accordance with this chapter satisfies the requirements set out in the Qualified Person Certification Standard.

### Information Note

The identification of a person as a qualified person does not entitle that person to engage in an activity if that activity is within the exclusive scope of practice of a profession, and that person is not a member of that profession.

## Designation

- 1-6 For the purposes of clause 47(c) of the Act, compost facilities within the meaning of this chapter are prescribed as other facilities that are designated as waste management works.

## Environmental samples and laboratory analysis

- 1-7(1)** Subject to subsection (2), every owner of a compost facility required to perform environmental monitoring shall ensure that environmental samples are:
- (a) collected, preserved, stored, handled or analysed in accordance with a method approved by a standards-setting organization; and
  - (b) if analysed by a laboratory, analysed by a laboratory accredited pursuant to the requirements of an active accrediting body such as Canadian Association for Laboratory Accreditation or Standards Council of Canada Accreditation, in accordance with the parameters for which the laboratory has been accredited.
- (2) If no parameter-specific environmental sampling method or analytical method accreditation process exists, every owner of a compost facility shall ensure that a qualified person provides a certificate stating that, in the qualified person's opinion, the quality assurance and quality control for sampling and analytical procedures produce accurate, precise and reliable results.

### Information Note

Standards-setting organizations include bodies such as the Standards Council of Canada, Canadian Standards Association, Underwriters Laboratories of Canada, International Organization for Standardization, American Society for Testing and Materials (ASTM) International and the United States Environmental Protection Agency.

## General records

- 1-8(1)** Every owner of a compost facility shall ensure that the following records are kept and retained for at least 7 years from the date the record was created:
- (a) a description and characterization for each of the feedstock and amendment types received and processed, including:
    - (i) the annual mass or volume and types of feedstock accepted at the facility; and
    - (ii) the annual mass or volume and types of amendments accepted at the facility;
  - (b) the annual mass or volume of compost produced by the facility;
  - (c) the annual mass or volume of compost that is used, sold, or given away by the facility;
  - (d) the annual mass or volume of residuals and overs removed from the site;
  - (e) volumes and chemical analysis results of process water removed from site, if applicable;
  - (f) environmental monitoring plan, including:
    - (i) records of any environmental sampling, analysis or monitoring that has been conducted;
    - (ii) the results of any environmental analysis showing trend analyses, assessment and interpretation;
    - (iii) the date, location and time of environmental sampling or monitoring;
    - (iv) the name of the person collecting the environmental sample;
    - (v) an identification of the environmental sample type;
    - (vi) the date of analysis of the environmental sample;
    - (vii) the sampling method used;
    - (viii) the name of the laboratory that performed the analysis of the environmental sample;
    - (ix) the chain of custody form;
    - (x) the name of the person responsible for performing the analysis of the environmental sample;

- (xi) the quality assurance and quality control records of any environmental samples; and
    - (xii) additional records and documents as detailed in the environmental monitoring plan;
  - (g) any certificate received from a qualified person;
  - (h) any other records mentioned in Part 2 or Part 3
- (2) Every owner of a compost facility shall ensure that the following records are kept and retained for the lifetime of the compost facility:
- (a) an up-to-date site plan showing all major features of the compost facility;
  - (b) documents pertaining to compost facility operations, including:
    - (i) inspection records;
    - (ii) compliance audits;
    - (iii) records of events that have occurred at the compost facility including:
      - (A) any discharges or discoveries as described in the Discharge and Discovery Reporting Standard;
      - (B) any releases not captured under the Discharge and Discovery Reporting Chapter, as applicable; and
      - (C) any environmental risk that threatens or threatened the safety of workers, the environment or infrastructures;
    - (iv) a verified monitoring plan that indicates that the quantity or concentration of a substance is outside of the expected and acceptable range, after consideration of the historical range of variability for that monitoring well;
    - (v) public complaints received about the compost facility and the resolutions;
    - (vi) any regulatory documents for the compost facility;
    - (vii) a copy of any notification, environmental protection plan, application, or proposal submitted to the minister along with related correspondence; and
    - (viii) a copy of the construction documents.
- (3) Every owner of a compost facility shall ensure that the records required to be kept pursuant to this chapter are made available to the minister on request.
- (4) Every owner of a compost facility shall ensure that, on transfer of ownership of the compost facility, the records required to be kept pursuant to this chapter are transferred to the new owner.
- (5) Every owner of a compost facility shall ensure that, after closure of the compost facility, the records required to be kept pursuant to this chapter, including the closure report, are kept and retained for 7 years.

## Reporting obligations

**1-9** Every owner of a compost facility shall:

- (a) immediately report an incident involving spills or discharges of substances that may cause or is causing an adverse effect or meets the criteria set out in the Discharge and Discovery Reporting Standard, including unforeseen or unintended fire;
- (b) ensure the report mentioned in clause (a) includes a description of the cause of the incident and any steps taken to mitigate the incident and prevent reoccurrence;
- (c) comply with any additional reporting requirements respecting discharges that are set out in the Discharge and Discovery Reporting Standard and ensure the report mentioned in clause (a) is completed in accordance with the Discharge and Discovery Reporting Chapter;
- (d) if the owner intends to expand the compost facility, provide the minister with written notice that the compost facility will be expanding at least 90 days before expansion of the compost facility;

- (e) provide the following to the minister, if applicable:
  - (i) for each year, an environmental monitoring report based on the data from the previous calendar year, including data interpretation, trend analysis, and a qualified person certificate to be submitted annually by April 1 of the following year;
  - (ii) an amended environmental monitoring plan for the compost facility 60 days before implementing changes;
  - (iii) a report following the replacement, abandonment or decommissioning of a groundwater monitoring well within 60 days after completion of work;
  - (iv) for each year, a general annual operations report based on the data from the previous calendar year to be submitted by April 1 of the following year describing:
    - (A) the annual mass or volume and types of feedstock accepted at the facility;
    - (B) the annual mass or volume and types of amendment accepted at the facility;
    - (C) the annual mass or volume of compost produced by the facility;
    - (D) the annual mass or volume of compost that is used, sold, or given away by the facility;
    - (E) the annual mass or volume of residuals and overs removed from the site;
    - (F) the volume and chemical analysis results of process water removed from the site; and
    - (G) a summary of public complaints received at the compost facility and the resolutions; and
- (f) make available records kept and retained as required pursuant to section 1-8 or subsections 3-1(3) and (8), as the case may be.

### Acceptable feedstock and amendments

- 1-10** No owner of a compost facility shall use any material in composting other than a feedstock or an amendment listed in the Compost Facilities Acceptable Feedstock and Amendment Standard, unless otherwise approved by the minister.

### Closure of a compost facility

- 1-11(1)** Every owner of a compost facility shall close the compost facility in accordance with this section if:
- (a) the owner no longer intends to accept feedstock or amendment at the compost facility;
  - (b) feedstock or amendment have not been accepted at the compost facility for at least 12 consecutive months; or
  - (c) required to do so by the minister in writing.
- (2) If an owner of a compost facility intends to close a compost facility, the owner shall provide to the minister written notice that the compost facility will be closing, at least 90 days before the closure.
- (3) On closure of a compost facility, the owner of the compost facility shall:
- (a) take appropriate steps to prevent trespassing, illegal dumping and vandalism; and
  - (b) ensure the site is clean and remove items not needed for the function of the site at an appropriate facility within 30 days.

- (4) Every owner of a compost facility that closes a compost facility in accordance with this section shall:
- (a) ensure that a closure report is prepared that satisfies the requirements set out in subsection (5);
  - (b) provide a copy of the closure report to the minister within 90 days after closing the compost facility; and
  - (c) provide to the minister within 90 days after closing the compost facility a certificate from a qualified person stating that, in the qualified person's opinion, the report satisfies the requirements set out in subsection (5).
- (5) The closure report mentioned in subsection (4) must include:
- (a) a list of any permits, approvals or notification numbers issued with respect to the compost facility, including in the case of a permit the date on which it was issued and the date of expiry;
  - (b) contact information for the owner of the compost facility;
  - (c) a general description of communities and industries served during the operating phase of the compost facility, including the feedstock and amendment types accepted;
  - (d) a site plan of the compost facility that identifies adjacent land uses, location of water wells and any surface water bodies, wetlands or watercourses within one kilometre of the compost facility;
  - (e) the location and global position of the compliance boundary, material storage and composting areas, groundwater monitoring wells, surface water control ponds, sedimentation ponds and retention ponds and other areas where process water is stored, if present;
  - (f) the period the compost facility was in operation;
  - (g) a summary of incidents of fires, reportable discharges pursuant to The Discharge and Discovery Reporting Chapter, abnormal occurrences, upset conditions, and operations or activities on site at any time during operations that resulted in potential risk to human health or safety or the environment;
  - (h) work completed to decommission the site, including:
    - (i) removal of infrastructure;
    - (ii) removal of materials;
    - (iii) general site clean-up;
    - (iv) final contours and returning site to the intended end use; and
    - (v) any post-closure work;
  - (i) any site assessment conducted in accordance with the Site Assessment Chapter, if applicable;
  - (j) any corrective action taken in accordance with the Corrective Action Plan Chapter, if applicable; and
  - (k) any recommendations for long-term monitoring or post-closure care.

## PART 2 - Alternative Solution

### Information Note

Part 2 applies to every person who owns a compost facility or intends to establish a compost facility who has elected to comply with Part 2.

Part 2 applies to every person who owns a compost facility or intends to establish a compost facility that accepts more than 15,000 tonnes of materials of either or both feedstock and amendment annually.

### Results-based objective

- 2-1(1)** The results-based objective of this chapter is to limit the probability of unacceptable adverse effects resulting from the activity addressed by this chapter.
- (2) The results-based objective mentioned in subsection (1) must be satisfied by designing, constructing, managing and operating the compost facility in a safe and effective manner by taking reasonable and prudent measures to:
- (a) site the compost facility in an acceptable location with respect to:
    - (i) environmental and human receptors and places of concern, including, but not limited to, protected and conserved areas, cemeteries and heritage sites; and
    - (ii) topography, surface water hydrology and subsurface geologic and hydrogeological conditions;
  - (b) engage or consult with adjacent landowners, stakeholders and anyone that may be impacted by the operations of the facility;
  - (c) prepare an operations plan, including an emergency response plan;
  - (d) employ composting methods that:
    - (i) are appropriate for the feedstock and amendment types and quantities intended for acceptance at the compost facility;
    - (ii) include quality control of the finished compost product;
  - (e) prevent litter, dust, odours and nuisance to adjacent land;
  - (f) prevent disease vector attraction;
  - (g) prevent attraction of animals;
  - (h) employ environmental control systems to minimize the release of any substance that may cause or is causing an adverse effect;
  - (i) prevent and control surface water run-on;
  - (j) contain run-off and contact water;
  - (k) conduct environmental monitoring, as necessary, to provide timely detection of any substance that may cause or is causing an adverse effect; and
  - (l) conduct regular environmental inspections.

### Environmental protection plan

- 2-2** Every owner of a compost facility, and every person who intends to establish a compost facility, shall:
- (a) have an environmental protection plan prepared that sets out the methods that will be employed to satisfy the results-based objective described in section 2-1;

- (b) ensure that a qualified person provides a certificate stating that, in the qualified person's opinion, the methods and components in the environmental protection plan, if carried out in accordance with that plan, will satisfy the results-based objective described in section 2-1; and
- (c) submit the following documents to the minister:
  - (i) the environmental protection plan for acceptance pursuant to section 27 of the Act, before establishing a compost facility;
  - (ii) the certificate from a qualified person obtained pursuant to clause (b).

#### Information Note

The environmental protection plan, and the certificate(s) from the qualified person, may be submitted to the minister by using the following link:

<https://envrbrportal.crm.saskatchewan.ca>

Further guidance can be requested at:

Government of Saskatchewan  
 1-800-567-4224 (toll free in Canada)  
 306-787-2584 in Regina  
[Centre.inquiry@gov.sk.ca](mailto:Centre.inquiry@gov.sk.ca)

The environmental protection plan and opinion of the qualified person are required to be submitted to the minister.

In accordance with section 27 of the Act, the minister may accept the environmental protection plan, accept the environmental protection plan and impose terms and conditions or refuse to accept the environmental protection plan.

In accordance with section 27 of the Act, if the minister does not respond within 45 business days after receiving the environmental protection plan the plan is deemed to have been accepted by the minister.

## PART 3 - Acceptable Solution

#### Information Note

Part 3 applies to every person who owns a compost facility who has elected to comply with Part 3.

### DIVISION 1

#### Requirements re certain compost facilities

##### Compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually

- 3-1(1) Every owner of a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually is not required to comply with subsections 1-8(1) and (5), clause 1-11(4)(c), and sections 3-3 to 3-9.
- (2) Every owner of a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually shall, before constructing the compost facility, provide to the minister, on notification pursuant to section 1-3, a report that includes:

- (a) details respecting the feedstock and amendment types and quantities intended for acceptance at the compost facility;
  - (b) a description of composting methods that will be used to process the feedstocks;
  - (c) a site plan that presents the topography and surface water hydrology of the area within one kilometre of the proposed site, including:
    - (i) the ground elevations and locations of all natural and artificial features;
    - (ii) the natural drainage patterns and run-off characteristics of the site;
    - (iii) the surface water features of the area;
    - (iv) the adjacent property boundaries and the land usage of those properties; and
    - (v) the location of:
      - (A) water wells;
      - (B) the municipal drains, drainage paths and boundaries, including road ditches that may hold or convey surface water; and
      - (C) any other features identified in section 3-2; and
  - (d) a written representation that requirements set out in section 3-2 are satisfied.
- (3) Subject to subsection (8), every owner of a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually shall ensure that the following records are kept and retained for at least 3 years from the date the record was created:
- (a) a description and characterization for each of the feedstock and amendment types received and processed, including:
    - (i) the annual mass or volume and types of feedstock accepted at the facility; and
    - (ii) the annual mass or volume and types of amendments accepted at the facility;
  - (b) the annual mass or volume of compost produced by the facility;
  - (c) the annual mass or volume of compost that is used, sold, or given away by the facility;
  - (d) the annual mass or volume of residuals and overs removed from the site.
- (4) Every owner of a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually shall, before beginning operation of the compost facility:
- (a) ensure that an operations plan is prepared that satisfies the requirements set out in subsection (5);
  - (b) ensure that an emergency response plan is prepared that satisfies the requirements set out in subsection (6);
  - (c) provide an original copy of the operations plan and emergency response plan to the minister on notification pursuant to section 1-3;
  - (d) maintain a copy of the operations plan and emergency response plan at the compost facility site; and
  - (e) make available the original or amended operations plan and emergency response plans on request by the minister.
- (5) The operations plan for a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually mentioned in clause (4)(a) must include:
- (a) a site plan identifying operational areas;
  - (b) a list of feedstocks and amendments accepted;
  - (c) a description of the intended products to be produced and intended markets for those products;
  - (d) procedures for the receipt, inspection, screening and storage of feedstocks and other materials to avoid feedstock contamination;
  - (e) procedures for preventing acceptance of prohibited feedstock mentioned in section 1-10 and handling of feedstock and amendment that does not meet the acceptance criteria;
  - (f) a description of how by-products, including residuals and screenings, will be removed from the site in a timely manner and disposed of in accordance with the law;

- (g) procedures for the incorporation of feedstocks into an active composting pile within 96 hours after arriving at the compost facility;
  - (h) procedures describing a contingency plan to manage the feedstocks should the requirement described in clause (g) not be met;
  - (i) a composting process plan, including:
    - (i) a description of the composting method or technology used;
    - (ii) procedures for maintaining appropriate aerobic conditions;
    - (iii) procedures for curing;
    - (iv) procedures for compost temperature control and management;
    - (v) quality control of the finished compost product; and
    - (vi) procedures for storage and management of compost;
  - (j) procedures for preventing nuisance such as litter and debris, vermin, dust or any type of fugitive emissions, noise, and insects;
  - (k) an animal management plan to prevent attraction of animals to the site;
  - (l) procedures to prevent unauthorized access around the compost facility to allow controlled access to the site;
  - (m) procedures to prevent fire;
  - (n) an odour management plan, including an odour contingency response plan to remedy offensive odours originating from the compost facility;
  - (o) regular site inspections;
  - (p) procedures for the training and education of staff related to the compost facility site operations, the operation of the equipment, safe work practices, and first-aid procedures;
  - (q) procedures to track, document and resolve or mitigate public complaints; and
  - (r) the process for record keeping.
- (6) The emergency response plan for a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually mentioned in clause (4)(b) must include:
- (a) a site plan, showing relevant site features, hazardous substances and waste dangerous goods storage locations, if applicable, fire extinguishers, spill kits, first aid kits, and muster points;
  - (b) if managed on site, the procedures for handling of hazardous substances and waste dangerous goods, which shall align with *The Hazardous Substances and Waste Dangerous Goods Regulations*, including obtaining approval to store hazardous materials when applicable;
  - (c) an emergency phone list;
  - (d) security measures to be implemented at the compost facility site; and
  - (e) procedures for resolving and mitigating immediate emergencies related to health and safety, inclement weather, accidents, unauthorized discharges, abnormal occurrences or upset conditions, fires or explosions.
- (7) Every owner of a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually shall ensure that:
- (a) the compost facility is operated in accordance with the operations plan prepared in accordance with subsection (4);
  - (b) the operations plan and emergency response plan are reviewed annually;
  - (c) a conspicuous sign board is posted at the public entrance to the compost facility, detailing the following information:
    - (i) the name and contact information of the owner of the compost facility;
    - (ii) the telephone number of any persons that may be contacted during emergency;
    - (iii) the hours of operation of the compost facility;
    - (iv) warning against trespassing and illegal dumping;

- (d) the quantity of feedstock accepted does not exceed the capacity of each processing area within the compost facility, as set out in the report prepared in accordance with subsection (2);
  - (e) feedstock, waste, screenings, or any other materials are not burned;
  - (f) every possible and reasonable action is immediately taken to extinguish any unforeseen or unintended fire and dispose of debris at an approved facility; and
  - (g) every discharge or discovery of a substance that may cause or is causing an adverse effect or meets the criteria set out in the Discharge and Discovery Reporting Standard, including unforeseen or unintended fire or spills, is reported to the Spill Report Centre – 1-800-667-7525.
- (8) Every owner of a compost facility accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually shall ensure that, after closure of the compost facility:
- (a) the records required to be kept pursuant to subsection (3) are kept and retained for 3 years; and
  - (b) all other records required to be kept pursuant to this chapter, including the closure report, are kept and retained for 7 years.

**Information Note**

Section 3-1 applies only to facilities accepting less than 100 cubic metres of leaf and yard waste annually.

Sections 3-3 to 3-9 do not apply to these facilities.

**DIVISION 2****Compost Facility Siting****Site of compost facility**

- 3-2** Every owner of a compost facility shall site the compost facility at a location:
- (a) that is not a flood plain for a flood having a 500-year return period or a flood that has a 0.2% probability of occurrence in any one year based on available historical data;
  - (b) where the seasonal high groundwater table, if present, is 1.0 metre or more below the lowest grade proposed for the compost facility;
  - (c) that is not a ravine, gully or coulee;
  - (d) where the active composting areas and curing areas as planned are at least 300 metres from any river, stream, lake, creek, wetland or other watercourse or water body that directly or indirectly flows overland to another watercourse or water body;
  - (e) where the active composting areas and curing areas as planned are at least 300 metres from any area designated as an ecological reserve pursuant to *The Provincial Lands Act, 2016* and any areas designated as wildlife habitat land pursuant to *The Wildlife Habitat Protection Act*;
  - (f) where the active composting areas and curing areas as planned are:
    - (i) for facilities accepting less than 100 m<sup>3</sup> of only leaf and yard waste annually, at least 300 metres from the following:
      - (A) a restaurant, canteen, cafeteria, or any other place where food is cooked or prepared for human consumption or is consumed;
      - (B) any motel, hotel, domestic residence or any other permanent or temporary building or residence that is or may be occupied as a residence; and
      - (C) any school, church or other place of worship, cemetery, heritage site, community centre, recreation facility or similar public building; or

- (ii) for all other composting facilities, at least 500 metres from the following:
  - (A) a restaurant, canteen, cafeteria, or any other place where food is cooked or prepared for human consumption or is consumed;
  - (B) any motel, hotel, domestic residence or any other permanent or temporary building or residence that is or may be occupied as a residence; and
  - (C) any school, church or other place of worship, cemetery, heritage site, community centre, recreation facility or similar public building;
- (g) where the active composting areas and curing areas as planned are at least 15 metres from the compliance boundary of the compost facility;
- (h) where the active composting areas and curing areas as planned are at least 10 metres from a groundwater monitoring well; and
- (i) where the active composting areas and curing areas as planned are at least 100 metres from any highway.

#### Information Note

Section 3-2 applies to all facilities, regardless of size.

As per subsection 1-4(5) and (6) of this chapter, an owner that is operating on the day this chapter comes into force is not required to comply with the siting, design and construction requirements, unless the owner is expanding the compost facility, or operating the compost facility in a manner that may cause or is causing an environmental adverse effect, or as directed by the minister. All other requirements apply.

### Site suitability report

- 3-3(1)** Every owner of a compost facility shall, before constructing a compost facility or expanding an existing compost facility:
- (a) ensure a site suitability report is prepared that satisfies the requirements set out in subsection (2);
  - (b) provide a copy of the site suitability report to the minister on notification pursuant to section 1-3; and
  - (c) provide a certificate from a qualified person stating that, in the qualified person's opinion:
    - (i) the report meets the requirements set out in subsection (2); and
    - (ii) the location of the site as described in the report meets the siting requirements set out in section 3-2.
- (2) The site suitability report must include:
- (a) a site plan that presents the topography and surface water hydrology of the area within one kilometre of the proposed site, including:
    - (i) the ground elevations and locations of all natural and artificial features, including flood plains;
    - (ii) the natural drainage patterns and run-off characteristics of the site;
    - (iii) the surface water features of the area;
    - (iv) the adjacent property boundaries and the land usage of those properties; and
    - (v) the location of :
      - (A) residential properties;
      - (B) water wells;
      - (C) the municipal drains, drainage paths and boundaries, including road ditches that may hold or convey surface water; and

- (D) any other features identified in section 3-2;
- (b) a written representation of the relationship between the site operations, hydrogeologic setting, and the potential contaminant pathways to receptors;
- (c) geographic area and communities intended to be served; and
- (d) engagement or consultation with adjacent landowners, stakeholders and anyone that may be impacted by the operations of the facility.

## **DIVISION 3**

### **Compost Facility Design**

#### **Compost facility design plan**

- 3-4(1)** Before constructing or expanding an existing compost facility, every owner of a compost facility shall:
- (a) ensure that a compost facility design plan is prepared that satisfies the requirements set out in subsection (2);
  - (b) provide a copy of the design plan to the minister on notification pursuant to section 1-3; and
  - (c) provide a certificate from a qualified person stating that, in the qualified person's opinion, the design plan satisfies the requirements set out in subsection (2).
- (2) The compost facility design plan must:
- (a) include details respecting the feedstock and amendment types and quantities intended for acceptance at the compost facility;
  - (b) describe composting methods that will be used to process the feedstocks;
  - (c) describe and provides maximum capacities in cubic metres of all:
    - (i) receiving and preparation areas;
    - (ii) amendment storage areas;
    - (iii) active composting areas;
    - (iv) curing areas;
    - (v) final product storage areas;
    - (vi) residuals storage areas;
    - (vii) process water retention pond or containment, if applicable; and
    - (viii) storm water pond, if applicable;
  - (d) provide the total number, describe the maximum lengths, widths, heights, volumes, orientation and physical locations of windrows or piles of feedstocks, amendments, compost and other materials that will be located in each of the active areas and in each of the storage areas described in clause (c);
  - (e) provide the minimum setbacks from the compost facility's property line for each of the windrows or piles of feedstocks, amendments, compost and other materials that will be located within the compost facility;
  - (f) provide maps, drawings and specifications that, at a minimum, include:
    - (i) site maps that illustrate all the descriptions from clauses (c) to (e) and other main site features, including liner and internal road location;
    - (ii) design drawings of liners in clauses (j) and (p), showing the relation to the seasonal high groundwater elevation;
    - (iii) design drawings showing run-on and run-off control systems in clauses (k) and (l);

- (iv) a site plan or aerial photograph showing the geographic location of the compost facility relative to adjacent developments, residences, potable water sources, domestic water wells, public roadways, and natural water bodies located within one kilometre of the proposed site;
  - (v) a map showing the location of all proposed and existing groundwater monitoring wells;
  - (vi) topographic site plans showing the overall site development and setbacks from property lines;
  - (vii) cross-sections showing grades and elevations of each working surface; and
  - (viii) cross-sections showing grades and elevations of each retention pond or containment;
- (g) provide a means to prevent nuisance such as litter and debris, vermin, dust or any type of fugitive emissions, noise, and insects;
- (h) provide for a suitable fence or a means to prevent unauthorized access around the compost facility to allow controlled access to the site;
- (i) include details respecting an all-weather access road to the compost facility, including space for vehicles waiting to unload, emergency access, barriers, curbs, guard rails or other structures to safeguard site users, and stop barriers or bars to prevent vehicle accidents;
- (j) describe a liner system that:
- (i) is placed under all active areas of the facility, including the receiving, feedstock preparation, active composting and curing areas;
  - (ii) has a separation of at least 1.0 metre between the seasonally high groundwater table and the bottom of the liner;
  - (iii) has a positive slope to avoid ponding; and
  - (iv) is constructed of one of the following:
    - (A) a clay material with:
      - (I) a thickness of at least 0.5 metres measured perpendicular to the liner surface; and
      - (II) a hydraulic conductivity of  $1 \times 10^{-9}$  m/sec or less;
    - (B) an alternative material that has a hydraulic conductivity equivalent to the value set out in subparagraph (A)(II); or
    - (C) a natural protective layer, but only if:
      - (I) the natural protective layer prevents the lateral movement and downward migration of process water;
      - (II) the natural protective layer consists of at least 2.0 metres or more of undisturbed, unfractured fine-grained material that has a bulk hydraulic conductivity of  $1 \times 10^{-8}$  m/sec or less;
      - (III) there is at least 1.0 metre of a material between the bottom of the natural protective layer and the seasonally high groundwater table; and
      - (IV) the natural protective layer has a positive slope to avoid ponding;
- (k) describe a run-on control system, with, at a minimum, the capability of preventing the surface flow of water onto areas listed in clause (c) during the peak discharge from a one-in-25-year storm event that is 24 hours in duration;
- (l) describe a run-off control system, with, at a minimum, the capability of collecting and

- controlling the volume of run-off expected from a one-in-25-year storm event that is 24 hours in duration;
- (m) include details respecting erosion, sedimentation, siltation and flooding control;
  - (n) include details respecting a design for a groundwater monitoring system that provides for:
    - (i) monitoring wells that are of suitable configuration, installed at appropriate locations and to appropriate depths below ground surface; and
    - (ii) a minimum of 3 monitoring wells downstream and one upstream of process areas based on the apparent groundwater flow direction at the site;
  - (o) include details respecting a design to collect, monitor, and control or treat process water;
  - (p) if applicable, describe a retention pond with a liner that:
    - (i) has a separation of at least 1.0 metre between the seasonally high groundwater table and the bottom of the liner; and
    - (ii) is constructed of one of the following:
      - (A) a clay material with:
        - (I) a thickness of at least 1.0 metre measured perpendicular to the liner surface; and
        - (II) a hydraulic conductivity of  $1 \times 10^{-9}$  m/sec or less;
      - (B) an alternative material that has a hydraulic conductivity equivalent to the value set out in subparagraph (A)(II);
      - (C) a natural protective layer, but only if:
        - (I) the natural protective layer prevents the lateral movement and downward migration of process water;
        - (II) the natural protective layer consists of 5.0 metres or more undisturbed, unfractured fine-grained material with a bulk hydraulic conductivity that is less than or equal to  $1 \times 10^{-8}$  m/sec; and
        - (III) there is at least 1.0 metre of material between the bottom of the natural protective layer and the seasonally high groundwater table;
  - (q) describe a design to prevent odour generation that includes the following:
    - (i) a scaled map showing the locations and distances to receptor sites within minimum of 500 metres of the compost facility;
    - (ii) a description of all odour control technologies and odour management practices that will be used to prevent and mitigate offensive odours; and
    - (iii) a method to monitor and detect odours;
  - (r) include construction quality assurance and quality control; and
  - (s) include a decommissioning and reclamation plan.

## **DIVISION 4**

### **Compost Facility Construction**

#### **Construction**

- 3-5** Every owner of a compost facility shall, with respect to a compost facility or the expansion of an existing compost facility:
- (a) ensure that the compost facility is constructed in accordance with the compost facility

- design plan prepared in accordance with section 3-4;
- (b) provide to the minister, within 90 days after construction completion, a copy of a construction verification report, which contains the following:
    - (i) final drawings duly signed and sealed by a qualified person;
    - (ii) a description of the quality assurance and quality control testing conducted on construction materials and during construction activities with results, analysis, and interpretation;
    - (iii) an up-to-date site plan;
    - (iv) any other information the minister considers appropriate; and
  - (c) provide a certificate from a qualified person stating that, in the qualified person's opinion, the design plan meets the requirements set out in section 3-4.

## **DIVISION 5**

### **Compost Facility Operation**

#### **Operations plan and emergency response plan**

- 3-6(1)** Every owner of a compost facility shall, before beginning operation of any type of compost facility:
- (a) ensure that an operations plan is prepared that satisfies the requirements set out in subsection (2);
  - (b) ensure an emergency response plan is prepared that satisfies the requirements set out in subsection (3);
  - (c) provide an original copy of the operations plan and emergency response plan to the ministry on notification pursuant to section 1-3; and
  - (d) make available the original or amended operations plan and emergency response plan on request by the minister.
- (2) The operations plan mentioned in clause (1)(a) shall at least include:
- (a) a site plan identifying operational areas;
  - (b) a list of compost feedstocks and amendments accepted;
  - (c) a description of the intended products to be produced and intended markets for those products;
  - (d) procedures for the receipt, inspection, screening and storage of feedstocks and other materials to avoid feedstock contamination;
  - (e) procedures for preventing acceptance of prohibited feedstock mentioned in section 1-10 and handling of feedstock and amendment that does not meet the acceptance criteria;
  - (f) a description of how by-products, including residuals and screenings, will be removed from the site in a timely manner and disposed of in accordance with the law;
  - (g) procedures for the incorporation of feedstocks into an active composting pile within 48 hours after arriving at the compost facility;
  - (h) procedures describing a contingency plan to manage the feedstocks should the requirement described in clause (g) not be met;
  - (i) a composting process plan, including:
    - (i) a description of the composting method or technology used;
    - (ii) procedures for maintaining appropriate aerobic conditions and moisture content;
    - (iii) a pathogens reduction plan;
    - (iv) a composting process monitoring plan for the temperature, moisture and free air space;
    - (v) procedures for curing;
    - (vi) density ranges of feedstocks and amendments in kilograms per cubic metres;
    - (vii) procedures for compost temperature control and management;

- (viii) quality control of the finished compost product;
  - (ix) a description of compost sampling procedures and standards used to evaluate the final compost quality; and
  - (x) procedures for storage and management of compost;
  - (j) procedures for preventing nuisance such as litter and debris, vermin, dust or any type of fugitive emissions, noise, and insects;
  - (k) procedures for preventing disease vectors that might pose a public health concern;
  - (l) an animal management plan to prevent attraction of animals to the site;
  - (m) procedures to prevent fire;
  - (n) an odour management plan, including:
    - (i) a description of how feedstock that has a high moisture content or has a high potential for creating an offensive odour will be managed on arrival at the compost facility;
    - (ii) a description of all odour control technologies and odour management practices that will be used to prevent and mitigate offensive odours;
    - (iii) a method to detect and monitor odours;
    - (iv) a scaled map showing the locations and distances to receptor sites within minimum of 500 metres of the compost facility;
    - (v) an odour contingency response plan to remedy offensive odours originating from the compost facility;
    - (vi) a procedure to track and document public complaints regarding odours; and
    - (vii) a procedure to respond to public complaints regarding odours;
  - (o) regular site inspections;
  - (p) containment and liner inspection and maintenance program, if applicable;
  - (q) procedures for the training and education of staff related to the compost facility site operations, the operation of the equipment, safe work practices, and first-aid procedures;
  - (r) procedures to track, document and resolve or mitigate public complaints and stakeholder concerns; and
  - (s) the process for record keeping.
- (3) The emergency response plan mentioned in clause (1)(b) shall include:
- (a) a site plan, showing relevant site features, hazardous substances and waste dangerous goods storage locations, if applicable, fire extinguishers, spill kits, first aid kits, and muster points;
  - (b) if managed on site, the procedures for handling of hazardous substances and waste dangerous goods, which shall align with *The Hazardous Substances and Waste Dangerous Goods Regulations*, including obtaining approval to store hazardous materials when applicable;
  - (c) an emergency phone list;
  - (d) security measures to be implemented at the compost facility site; and
  - (e) procedures for resolving or mitigating immediate emergencies related to health and safety, inclement weather, accidents, unauthorized discharges, abnormal occurrences or upset conditions, fires or explosions.
- (4) Every owner of a compost facility may amend the plans prepared in accordance with subsection (1), if the owner of the compost facility:
- (a) ensures that an amended operations plan is prepared that satisfies the requirements set out in subsection (2);
  - (b) ensures that an amended emergency response plan is prepared that satisfies the requirements set out in subsection (3);
  - (c) provides details explaining why the amendments were made;
  - (d) maintains a copy of the up-to-date operations plan or the emergency response plans, or both, on request by the minister; and

- (e) provides a copy of either the up-to-date operations plan or the emergency response plan, or both, on request by the minister.

## Operating duties

**3-7** Every owner of a compost facility shall ensure that:

- (a) the compost facility is operated in accordance with the operations plan prepared in accordance with section 3-6;
- (b) the operations plan and emergency response plans are reviewed and updated annually;
- (c) a conspicuous sign board is posted at the public entrance to the compost facility, detailing the following information:
  - (i) the name and contact information of the owner of the compost facility;
  - (ii) the telephone number of any persons that may be contacted during emergency;
  - (iii) the hours of operation of the compost facility; and
  - (iv) warning against trespassing and illegal dumping;
- (d) the quantity of feedstock accepted does not exceed the capacity of each processing area within the compost facility, as set out in the compost facility design plan prepared in accordance with section 3-4;
- (e) feedstock, waste, screenings, or any other materials are not burned;
- (f) every possible and reasonable action is immediately taken to extinguish any unforeseen or unintended fire and dispose of debris at an approved facility; and
- (g) discharge or discovery of a substance that may cause or is causing an adverse effect or meets the criteria set out in the Discharge and Discovery Reporting Standard, including unforeseen or unintended fire or spills is reported to the Spill Report Centre – 1-800-667-7525.

## DIVISION 6

### Environmental Monitoring

#### Environmental monitoring plan

**3-8(1)** An environmental monitoring plan is required for:

- (a) existing composting facilities pursuant to subsection 1-4(5); and
  - (b) composting facilities constructed in accordance with the compost facility design plan prepared in accordance with section 3-4.
- (2) Every owner of a compost facility shall, before beginning operation of any type of compost facility, provide a copy of the environmental monitoring plan to the minister on notification pursuant to section 1-3.
- (3) The environmental monitoring plan shall include a groundwater monitoring program that includes, at a minimum, the following:
- (a) for facilities described in clause (1)(b), a program to establish background groundwater quality prior to the start of composting operations;
  - (b) a detailed program for groundwater sample collection and analysis, that includes, at a minimum, the following:
    - (i) retrieval of representative samples from each groundwater monitoring well at least once per year;
    - (ii) laboratory analysis of the samples for parameters as set out in Table 1 of the Appendix;
    - (iii) laboratory analysis of any additional parameters identified by qualified persons;

- (iv) monitoring the depth to water at each monitoring well at time of sampling.
- (4) The environmental monitoring plan shall include a surface water and process water monitoring program that includes, at a minimum, the following:
  - (a) weekly monitoring of water levels in each retention pond and containment, if applicable;
  - (b) retrieval of representative samples from each pond and containment a least once per year or before transport or release off site;
  - (c) laboratory analysis of the samples described in clause (b) for parameters as set out in Table 1 of the Appendix;
  - (d) laboratory analysis of the samples described in clause (b) of any additional parameters identified by qualified persons;
- (5) For the purposes of subsection (4), samples from each retention pond and containment must meet the applicable water quality guidelines before transporting or releasing off site.
- (6) Every owner of a compost facility shall ensure that changes to the environmental monitoring plan are certified by a qualified person.

### **Environmental monitoring plan duties**

- 3-9** Every owner of a compost facility shall ensure that:
- (a) environmental monitoring is conducted in accordance with the environmental monitoring plan prepared in accordance with section 3-8;
  - (b) any test results obtained from environmental monitoring conducted at the compost facility are interpreted and assessed against the Saskatchewan Environmental Quality Standard;
  - (c) an environmental monitoring report, including the test results and interpretation of those results mentioned in clause (b) is provided to the minister pursuant to subclause 1-9(e)(i); and
  - (d) a certificate from a qualified person is provided stating that, in the qualified person's opinion, the environmental monitoring report satisfies the requirements set out in section 3-8.

## Appendix

(Subclause 3-8(3)(b)(ii) and clause 3-8(4)(c))

**Table 1 Parameters for Routine Monitoring**

Metals	Other Parameters
Arsenic	Ammonia
Barium	Calcium
Boron	Chemical oxygen demand
Cadmium	Chloride
Chromium	Electrical conductivity
Copper	Magnesium
Iron	Nitrate-Nitrogen
Lead	pH
Manganese	Potassium
Mercury	Sodium
Vanadium	Sulphate
	Total coliform
	Total dissolved solids
	Total Kjeldahl Nitrogen
	Total organic carbon
	Total phosphorus

### Information Note

In accordance with section 78 of the Act, an environment officer may conduct an audit or inspection and if the obligations imposed by the Act, the regulations or the code or the accepted environmental protection plan have not been met, a description of the differences between the results and those obligations, terms and conditions will be provided.

### Information Note

Any and all reports prepared in accordance with this chapter, and the certificate(s) from the qualified person, may be submitted to the minister:

- (1) electronically by using the following link: <https://envrbportal.crm.saskatchewan.ca/> or
- (2) by sending the documents to the Government of Saskatchewan at [Centre.inquiry@gov.sk.ca](mailto:Centre.inquiry@gov.sk.ca)

## Glossary of Terms

### Act

*The Environmental Management and Protection Act, 2010.*

### Active composting areas

The physical location where feedstock is processed during the active phase of composting, but does not include the curing areas.

### Aerobic conditions

An environment that is conducive to the microbial degradation of solid heterogeneous organic substrate in the presence of adequate oxygen to maintain those conditions until the material is considered compost.

### Amendment

A material that is:

- (a) used as a bulking agent during composting; and
- (b) listed in the Compost Facilities Acceptable Feedstock and Amendment Standard as an acceptable material for use as an amendment.

### Amendment storage areas

The physical location at a compost facility that is used to store amendments.

### Backyard composting

Composting of organic material at a residential dwelling site, including grass clippings, leaves or food waste, if:

- (a) the organic material is generated by the residents of the dwelling unit or neighbouring dwelling units or both, and
- (b) the amount of organic material does not exceed 3 cubic metres at any one time.

### Bulking agent

An amendment added to a mixture of feedstock to improve the structure of and aerate the mixture during composting.

### Community garden

A designated area that is set aside for use by individuals for the purposes of growing plants, including fruits, vegetables and flowers for personal use and includes an area operated by a community organization for use by residents and people in surrounding areas for those purposes.

### Compliance boundary

The property boundary of the compost facility as marked on the site plan for that compost facility.

### Compost

Solid mature product resulting from the process of composting.

**Compost facility**

A waste management works as defined by clause 47(c) of the Act that performs composting.

**Compost Facilities Acceptable Feedstock and Amendment Standard**

The Compost Facilities Acceptable Feedstock and Amendment Standard, as established by the minister on April 15, 2024, and adopted pursuant to the Adoption of Standards Chapter.

**Composting**

Managed process of bio-oxidation of a solid heterogeneous organic substrate, including a thermophilic phase.

**Curing areas**

The physical locations at a compost facility that are used for the final stage of composting in which stabilization of compost continues but the rate of decomposition is slowed to a point where turned or forced aeration of material is no longer necessary.

**Discharge and Discovery Reporting Standard**

The Discharge and Discovery Reporting Standard, as established by the minister on November 15, 2012, and adopted pursuant to the Adoption of Standards Chapter;

**Expansion**

Expansion of a compost facility is:

- (a) the circumstance in which the property boundary of the facility is extended or enlarged;
- (b) the addition of new or increased active composting areas beyond the original design plan.

**Feedstock**

Feedstock is the raw material:

- (a) used as input into the process of composting; and
- (b) that is listed in the Compost Facilities Acceptable Feedstock and Amendment Standard as an acceptable material for use as feedstock.

**Final product storage areas**

The physical location at the compost facility used to store the final product that has gone through both the active composting and curing phases.

**Foreign matter**

Any matter over 2 millimetres in dimension that:

- (a) results from human intervention;
- (b) has organic and inorganic components such as metal, glass, synthetic polymers, including plastic and rubber; and
- (c) is present in the compost;

but does not include mineral soil, woody material and pieces of rock.

**Mature**

Designates a compost that, when used as an organic soil conditioner, does not have phytotoxic effects arising from, for example, the nitrogen immobilization or anaerobioses.

**Municipality**

A municipality as defined in section 2-29 of *The Legislation Act*, including the Saskatchewan portion of the City of Lloydminster.

**Natural protective layer**

A continuous layer of natural materials, beneath or on the sides of a structure or facility, that restricts the downward or lateral migration of the contents of the structure or facility.

**Operating phase**

The period during which feedstocks and amendments are received for storage, consolidation, and processing at the compost facility.

**Operations plan**

A written document that describes general instructions for the management and operations of a compost facility.

**Overs**

Oversized materials that have not completely decomposed and are removed or screened during the composting process.

**Owner of a compost facility**

Owner of a compost facility includes:

- (a) a government agency or municipality that owns a compost facility; and
- (b) a private owner of a compost facility.

**Private owner of a compost facility**

A person, other than a government agency or municipality, that owns a compost facility.

**Process water**

Any water, including run-on and run-off, that has been in contact with feedstocks, amendments or the active composting materials.

**Qualified Person Certification Standard**

The Qualified Person Certification Standard, as established by the minister on November 15, 2012, and adopted pursuant to the Adoption of Standards Chapter.

**Receiving and preparation areas**

The physical location at a compost facility where feedstocks and amendments are received and temporarily placed for processing prior to active composting.

**Residuals**

Unwanted inorganic materials that are removed from feedstocks, amendments, actively composting material, or compost, but does not include overs.

**Residuals storage areas**

The physical locations at a compost facility used to store residuals.

**Saskatchewan Environmental Quality Standard**

The Saskatchewan Environmental Quality Standard, as established by the minister on November 15, 2012, and adopted pursuant to the Adoption of Standards Chapter.

**Screenings**

Materials, including foreign matter, sharp foreign matter, and residuals that are removed from finished compost by a screen.

**Secondary containment**

An impermeable barrier, synthetic membrane liner or any other similar material or structure used for the purposes of preventing a primary containment system from leaking.

**Thermophilic phase**

Biological phase in the composting process characterized by the presence of micro-organisms which grow optimally in a temperature range of 45°C to 75°C.

## Standards Referenced in this Chapter

The following standards, adopted pursuant to the Adoption of Standards Chapter, are referenced in this chapter:

- Compost Facilities Acceptable Feedstock and Amendment Standard
- Discharge and Discovery Reporting Standard
- Qualified Person Certification Standard
- Saskatchewan Environmental Quality Standard