

# INDUSTRIAL COMPREHENSIVE SOLID WASTE MANAGEMENT PLANS *(SAMPLE OUTLINES)*



The following information is provided solely for the purpose of assisting private entities in meeting the industrial comprehensive planning requirements outlined in IAC 567 - Chapter 101. The following *SAMPLE* outlines are merely guides and should not be interpreted as the only structure that can be used to submit industrial comprehensive planning requirements.

## Introduction:

Public and private entities operating or planning to operate a sanitary disposal project in Iowa shall, in conjunction with all local governments using the sanitary disposal project, meet all comprehensive plan submittal requirements described in IAC 567 Chapter 101.

The purpose of comprehensive plans is the development of a specific plan and schedule for implementing technically and economically feasible solid waste management methods that will prevent or minimize any adverse environmental impact and meet the state's waste volume reduction and recycling goals.

IAC 567 Chapter 101.12 provides further clarification regarding requirements for permitted **Monowaste facilities, Monogenerator facilities, and Incinerators**. Please refer to the aforementioned chapter when developing industrial comprehensive plans. If these facilities are not part of a comprehensive plan, they must submit their own comprehensive plan.

When submitting hard copy portions of the industrial comprehensive plan, an original and two copies are necessary. Comprehensive plans are required to be double-sided and cannot be submitted in three-ring binders. Completed plans should be mailed or delivered to:

Iowa Department of Natural Resources  
Energy & Waste Management Bureau  
Wallace State Office Building, Fifth Floor  
Des Moines, Iowa 50319-0034

Help is available from the Department in preparing comprehensive plans. Please contact either of the individuals below with any questions or clarifications needed regarding plan requirements.

Becky Jolly, Statistical Research Analyst  
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In addition to the contacts listed above, the Department has made available several planning tools for planning areas to use that can be accessed via the Department's Comprehensive Planning Website: <http://www.iowadnr.com/waste/sw/compplan.html>.

Iowa General Assembly Website: <http://www.legis.state.ia.us>.



## **IAC 567 Chapter 101.12(4) Monowaste Facilities**

### **1) Service Area Description**

- a) Provide information about where the landfilled waste(s) is generated, including information about each facility using the landfill, and a description of what waste(s) is being landfilled from each facility.
- ◆ Provide an explanation of the processes in which the waste(s) is generated.
- ◆ Describe why the current management method was chosen.
  - b) An evaluation of the environmental impact of this management method.
  - c) If the landfill accepts waste(s) from more than one company, letters of cooperation from each company are required. These letters of cooperation express the company's willingness to work toward the waste reduction and recycling goals outlined in the comprehensive plan.

### **2) Description of All Waste(s) Managed by the Permitted Facility**

- a) Landfilled waste at the permitted facility.
- ◆ Annual tonnages of each type of waste based upon the fiscal year.
- ◆ Current waste composition (a breakdown by percentage of all waste(s)).
  - b) Amount of waste reused and recycled.
  - c) Projected tonnage spanning two planning cycles. This projection shall include supporting information and any assumptions used in the projections.
  - d) Projected waste composition spanning two planning cycles. This projection shall include supporting information and any assumptions used in the projections.
  - e) Unit-of-Production for the current fiscal year to normalize waste generation for changes in production in order to evaluate progress toward meeting the state's solid waste volume reduction and recycling goals.

### **3) Base Year Tonnage Information (the later of fiscal year 1988 tonnage landfilled or first year in operation)**

- a) Only the waste(s) that is landfilled in the permitted monowaste facility and not all waste(s) generated.
- b) Units-of-production for the base year.

### **4) Alternatives Analysis**

- a) Include details of how the waste(s) is recycled or reused.
- b) Describe the alternatives or other options that were explored or considered for each type of waste landfilled. If alternatives are not feasible at this time, information explaining why the alternatives are not feasible shall be provided.
- c) Indicate the opportunities that exist for source reduction of waste(s).
- d) Indicate the opportunities that exist for recycling.
- e) Indicate the opportunities that exist for reuse of the waste(s).

### **5) Report on Other Waste(s) Managed at the Facility**

- a) Description of how other waste(s) is managed, including final disposal.
- b) Description of Recycling Programs Employed

### **6) Implementation Timeline Spanning Two Planning Cycles**

- a) Outline plans for increasing recycling/reuse of waste or decreasing the amount landfilled.
- b) Include planned activities spanning two planning cycles. Long-term projects should indicate milestones throughout the time span.

## IAC 567 Chapter 101.12(5) **Monogenerator Facilities**

### 1) **Service Area Description**

- a) Provide information about where the landfilled waste(s) is generated, and an explanation of the process(es) in which the waste(s) is generated.
- ◆ Describe why the current management method was chosen.
- ◆ Evaluate the environmental impact of this management method.

### 2) **Description of All Waste(s) Managed by the Permitted Facility**

- a) Landfilled waste at the permitted sanitary disposal project.
- ◆ Annual tonnage of each type of waste(s) based upon the fiscal year.
- ◆ Current waste composition (a breakdown by percentage of all waste(s)).
- b) Amount of waste reused or recycled.
- c) Projected tonnage spanning two planning cycles. This projection shall include supporting information and any assumptions used in the projections.
- d) Projected waste composition spanning two planning cycles. This projection shall include supporting information and any assumptions used in the projections.
- e) Unit-of-Production for the current fiscal year to normalize waste generation for changes in production in order to evaluate progress toward meeting the state's solid waste volume reduction and recycling goals.

### 3) **Base Year Tonnage Information (the later of fiscal year 1988 tonnage landfilled or first year in operation)**

- a) Only the waste(s) that is landfilled in the permitted monogenerator facility and not all waste(s) generated.
- b) Units-of-production for the base year.

### 4) **Alternatives Analysis**

- a) Include details of how the waste(s) is recycled or reused.
- b) Describe the alternatives or other options that were explored or considered for each type of waste landfilled. If alternatives are not feasible at this time, information explaining why the alternatives are not feasible shall be provided.
- c) Indicate the opportunities that exist for source reduction of the waste(s).
- d) Indicate the opportunities that exist for recycling.
- e) Indicate the opportunities that exist for reuse of the waste(s).

### 5) **Report on Other Waste(s) Managed at the Facility**

- a) Description of how other waste(s) is managed, including final disposal.
- b) Description of Recycling Programs Employed

### 6) **Implementation Timeline Spanning Two Planning Cycles**

- a) Outline plans for increasing recycling/reuse of waste or decreasing the amount landfilled.
- b) Include planned activities spanning two planning cycles. Long-term projects should indicate milestones throughout the time span.

## IAC 567 Chapter 101.12(6) **Incinerators**

### **1) Service Area Description**

- a) Provide information about where the incinerated waste(s) is generated.
- b) Provide an explanation of the process(es) in which the waste(s) is generated. If applicable, certification that only infectious waste as defined by Iowa Code 455B.501 is being treated.
  - ◆ Describe why the current management method was chosen.
  - ◆ Evaluate the environmental impact of this management method.

### **2) Description of All Waste(s) Incinerated by the Permitted Facility**

- a) Annual tonnages of each type of waste(s) based upon the fiscal year.
- b) Current waste composition (a breakdown by percentage of all waste(s)).

### **3) Of the Total Amount of Waste(s) Generated**

- a) Indicate the amount of waste landfilled.
- b) Indicate the amount of waste reused or recycled.

### **4) Projected tonnage spanning two planning cycles.** This projection shall include supporting information and any assumptions used in the projections.

### **5) Projected waste composition spanning two planning cycles.** This projection shall include supporting information and any assumptions used in the projections.

### **6) Unit-of-Production for the current fiscal year to normalize waste generation for changes in production in order to evaluate progress toward meeting the state's solid waste volume reduction and recycling goals.**

### **7) Base Year Tonnage Information (the later of fiscal year 1988 tonnage landfilled or first year in operation)**

- a) Only the waste(s) that is incinerated at the permitted incineration facility and not all waste(s) generated.
- b) Units-of-production for the base year.

### **8) Alternatives Analysis**

- a) Include details of how the incinerated waste(s) is recycled or reused.
- b) Describe the alternatives or other options that were explored or considered for each type of waste incinerated. If alternatives are not feasible at this time, information explaining why the alternatives are not feasible shall be provided.
- c) Indicate the opportunities that exist for source reduction of the waste(s).
- d) Indicate the opportunities that exist for recycling.
- e) Indicate the opportunities that exist for reuse of the waste(s).

### **9) Report on Other Waste(s) Managed at the Facility**

- a) Description of how other waste(s) is managed, including final disposal.
- b) Description of Recycling Programs Employed

### **10) Implementation Timeline Spanning Two Planning Cycles**

- a) Outline plans for increasing recycling/reuse of waste or decreasing the amount incinerated.
- b) Include planned activities spanning two planning cycles. Long-term projects should indicate milestones throughout the time span.