

Chapter NR 680

APPENDIX I

CLASSIFICATION OF LICENSE AND PLAN OF OPERATION APPROVAL MODIFICATIONS

Modifications	Class
A. General Plan of Operation Provisions	
1. Administrative and informational changes	1
2. Correction of typographical errors	1
3. Changes in the frequency of or procedures for monitoring, reporting, sampling, or maintenance activities by the applicant:	
a. To provide for more frequent monitoring, reporting, sampling, or maintenance.	1
b. Other changes	2
4. Schedule of compliance:	
a. Changes in interim compliance dates if the new date is not more than 120 days after the date specified in the existing license or plan approval and the change does not interfere with attainment of the final compliance date requirement.	1
b. Extension of final compliance date.	2
5. Changes in expiration date of license to allow earlier license termination, with prior approval of the department.	1
6. Changes in ownership or operational control of a facility, provided the procedures of s. NR 680.44 are followed, where the department determines that no other change in the license or plan of operation approval is necessary.	1
B. General Facility Standards	
1. Changes to waste sampling or analysis methods:	
a. To conform with department guidance or regulations.	1
b. To incorporate changes associated with F039 (multi-source leachate) sampling or analysis methods.	1
c. Other changes.	2
2. Changes to analytical quality assurance/control plan:	
a. To conform with department guidance or regulations.	1
b. Other changes.	2
3. Changes in procedures for maintaining the operating record.	1
4. Changes in frequency or content of inspection schedules.	2
5. Changes in the training plan:	
a. That affect the type or decrease the amount of training given to employees.	2
b. Other changes.	1
6. Contingency plan:	
a. Changes in emergency procedures (i.e., spill or release response procedures).	2
b. Equipment upgrade or relocate emergency equipment listed.	1
c. Removal of equipment from emergency equipment list.	2
d. Changes in name, address, or phone number of coordinators or other persons or agencies identified in the plan.	1
7. Construction quality assurance plan	
a. Changes that the CQA officer certifies in the operating record will provide equivalent or better certainty that the unit components will meet the design specifications	1
b. Other changes	2
Note: When a permit modification (such as introduction of a new unit) requires a change in facility plans or other general facility standards, that change shall be reviewed under the same procedures as the permit modification.	
Note: When a license or plan of operation approval modification (such as introduction of a new unit) requires a change in facility plans or other general facility standards, that change will be reviewed under the same procedures as the license or plan of operation approval modification.	
C. Ground-Water Protection	
1. Changes to wells:	
a. Changes in the number, location, depth, or design of upgradient or downgradient wells of an approved ground-water monitoring system.	2

b.	Replacement of an existing well that has been damaged or rendered inoperable, without change to location, design, or depth of the well.	1
2.	Changes in ground–water sampling or analysis procedures or monitoring schedule.	1
3.	Changes in statistical procedure for determining whether a statistically significant change in ground–water quality between upgradient and downgradient wells has occurred, with prior approval of the department.	1
4.	Changes in point of compliance.	2
5.	Changes in indicator parameters, hazardous constituents, or concentration limits (including alternative concentration limits):	
a.	As specified in the groundwater protection standard.	2
b.	As specified in the detection monitoring program.	2
6.	Changes to a detection monitoring program as required by s. NR 635.13 (10), unless otherwise specified in this appendix.	2
7.	Compliance monitoring program:	
a.	Addition of compliance monitoring program as required by ss. NR635.13 (8) (d) and 635.14.	2
b.	Changes to a compliance monitoring program as required by s. NR 635.14 (11), unless otherwise specified in this appendix.	2
8.	Corrective action program:	
a.	Addition of a corrective action program as required by ss. NR635.14 (9) (b) and 635.15.	2
b.	Changes to a corrective action program as required by s. NR 635.15 (8), unless otherwise specified in this appendix.	2
D.	Closure	
1.	Changes to the closure plan as approved as part of an approved plan of operation:	
a.	Changes in estimate of maximum extent of operations or maximum inventory of waste on–site at any time during the active life of the facility.	1
b.	Changes in the closure schedule for any unit, changes in the final closure schedule for the facility, or extension of the closure period.	1
c.	Changes in the expected year of final closure, where other plan of operation approval or license conditions are not changed.	1
d.	Changes in procedures for decontamination of facility equipment or structures.	1
e.	Changes in approved closure plan resulting from unexpected events occurring during partial or final closure, unless otherwise specified in this appendix.	2
f.	Extension of the closure period to allow a landfill, surface impoundment or land treatment unit to receive non–hazardous wastes after final receipt of hazardous wastes under s. NR 685.05 (6) and (7).	2
2.	Creation of a new landfill unit as part of closure of a licensed hazardous waste landfill.	3
3.	Addition of the following new units to be used temporarily for closure activities:	
a.	Surface impoundments.	3
b.	Incinerators.	2
c.	Waste piles that do not comply with ch. NR 655.	2
d.	Waste piles that comply with ch. NR 655.	2
e.	Tanks or containers (other than specified below).	2
f.	Tanks used for neutralization, dewatering, phase separation, or component separation.	1
E.	Long–Term Care	
1.	Changes in name, address, or phone number of contact in the long–term care plan.	1
2.	Extension of long–term care period.	2
3.	Reduction in the long–term care period.	2
4.	Changes to the expected year of final closure, where other plan of operation approval or license conditions are not changed.	1
5.	Changes in long–term plan necessitated by events occurring during the active life of the facility, including partial and final closure.	2
F.	Containers	
1.	Modification or addition of container units resulting in an increase in the facility’s container storage capacity.	3
2.	Modification of a container unit without increasing the capacity:	
a.	Modification of a container unit without increasing the capacity of the unit, except for container facility maintenance.	2
b.	Addition of a roof to a container unit without alteration of the containment system	1
3.	Storage of different wastes in containers:	
a.	That require additional or different management practices from those authorized in the license.	3
b.	That do not require additional or different management practices from those authorized in the license	2

Note: See ss. NR 680.07 (5) and 680.20 for modification procedures to be used for the management of newly listed or identified wastes.

- 4. Storage or treatment of different wastes in containers that do not require the addition of units or a change in the treatment process or management standards, and provided that the units have previously received wastes of the same type (e.g., incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028). 1
- G. Tanks
- 1:

 - a. Modification or addition of tank units resulting in an increase in the facility's tank capacity, except as provided in G (1) (b). 3
 - b. Addition of a new tank that will operate for up to 90 days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation, or component separation. 2
 - 2. Modification of a tank unit or secondary containment system without increasing the capacity of the unit, other than tank or secondary containment system maintenance. 2
 - 3. Modification of a tank management practice. 2
 - 4. Management of different wastes in tanks:
 - a. That require additional or different management practices, tank design, different fire protection specifications, or significantly different tank treatment process from that authorized in the plan of operation approval except as provided in (G) (4) (c). 3
 - b. That do not require additional or different management practices, tank design, different fire protection specifications, or significantly different tank treatment process than authorized in the plan of operation approval except as provided in (G) (4) (c). 2
 - c. That do not require the addition of units or a change in the treatment process or management standards, and provided that the units have previously received wastes of the same type (e.g., incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028). 1
 - 5. Replacement of a tank with a tank that meets the same design standards provided the facility's permitted tank capacity is not increased, and the replacement tank meets the same conditions in the license. 1

Note: See ss. NR 680.07 (5) and 680.20 for modification procedures to be used for the management of newly listed or identified wastes.

Note: Procedures considered to be maintenance may be considered Class 1 or 2 modifications, or may not be subject to modification procedures. Facilities proposing maintenance should contact the department and request clarification or a determination under s. NR 680.07 (5) (b).

- H. Surface Impoundments

 - 1. Modification or addition of surface impoundment units that result in increasing the facility's surface impoundment storage or treatment capacity. 3
 - 2. Replacement of a surface impoundment unit. 3
 - 3. Modification of a surface impoundment unit without increasing the facility's surface impoundment storage or treatment capacity and without modifying the unit's liner, leak detection system, or leachate collection system. 2
 - 4. Modification of a surface impoundment management practice. 2
 - 5. Treatment, storage, or disposal of different wastes in surface impoundments:
 - a. That require additional or different management practices or different design of the liner or leak detection system than authorized in the plan of operation approval. 3
 - b. That do not require additional or different management practices or different design of the liner or leak detection system than authorized in the plan of operation approval. 2
 - c. That are residues from wastewater treatment or incineration, provided that disposal occurs in a unit that meets the minimum technological requirements stated in ch. NR 635 and ss. NR 660.09, 660.13, and 660.18, and provided further that the surface impoundment has previously received wastes of the same type (for example, incinerator scrubber water). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027 and F028). 1
 - 6. Treatment, storage, or disposal of different wastes in surface impoundments: *1
 - 7. Changes in response action plan:
 - a. Increase in action leakage rate 3
 - b. Change in a specific response reducing its frequency or effectiveness 3
 - c. Other changes 2

Note: See ss. NR 680.07 (5) and 680.20 for modification procedures to be used for the management of newly listed or identified wastes.

- I. Enclosed Waste Piles. For all waste piles except those complying with s. NR 655.05 (2), modifications are treated the same as for a landfill. The following modifications are applicable only to waste piles complying with s. NR 655.05 (2).
 - 1. Modification or addition of waste pile units resulting in an increase in the facility's waste pile storage or treatment capacity. 3
 - 2. Modification of waste pile unit without increasing the capacity of the unit. 2
 - 3. Replacement of a waste pile unit with another waste pile unit of the same designand capacity and meeting all waste pile conditions in the plan of operation approval. 2
 - 4. Modification of a waste pile management practice. 2
 - 5. Storage or treatment of different wastes in waste piles:

- a. That require additional or different management practices or different design of the unit. 3
- b. That do not require additional or different management practices or different design of the unit. 2
- 6. Conversion of an enclosed waste pile to a containment building unit. 2

Note: See ss. NR 680.07 (5) and 680.20 for modification procedures to be used for the management of newly listed or identified wastes.

J. Landfills and Unenclosed Waste Piles

- 1. Modification or addition of landfill units that result in increasing the facility's disposal capacity. *1
- 2. Replacement of a landfill. 3
- 3. Addition or modification of a liner, leachate collection system, leachate detection system, run-off control, or final cover system. 3
- 4. Modification of a landfill unit without changing a liner, leachate collection system, leachate detection system, run-off control, or final cover system. 2
- 5. Modification of a landfill management practice. 2
- 6. Landfill different wastes:
 - a. That require additional or different management practices, different design of the liner, leachate collection system, or leachate detection system. 3
 - b. That do not require additional or different management practices, different design of the liner, leachate collection system, or leachate detection system. 2
 - c. That are residues from wastewater treatment or incineration, provided that disposal occurs in a landfill unit that meets the minimum technological requirements stated in s. NR 660.13 (10), and provided further that the landfill has previously received wastes of the same type (for example, incinerator ash). This modification is not applicable to dioxin-containing wastes (F020, F021, F022, F023, F026, F027, and F028). 1
- 7. Modifications of unconstructed units to comply with ss. NR 655.05(2), 655.07, 655.08(3) and 660.18(11)(a) to (d) and (f) to (i) *1
- 8. Changes in response action plan:
 - a. Increase in action leakage rate 3
 - b. Change in a specific response reducing its frequency or effectiveness 3
 - c. Other changes 2

Note: See ss. NR 680.07 (5) and 680.20 for modification procedures to be used for the management of newly listed or identified wastes.

K. Incinerators, Boilers, and Industrial Furnaces:

- 1. Changes to increase any of the following limits authorized in the plan of operation approval: A thermal feed rate limit, a feedstream feed rate limit, a chlorine/chloride feed rate limit, a metal feed rate limit, or an ash feed rate limit. 3
The department will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.
- 2. Modification of an incinerator, boiler, or industrial furnace unit by changing the internal size or geometry of the primary or secondary combustion units, by adding a primary or secondary combustion unit, by substantially changing the design of any component used to remove HCl/Cl₂, metals, or particulate from the combustion gases, or by changing other features of the incinerator, boiler, or industrial furnace that could affect its capability to meet the regulatory performance standards. 3
The department will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.
- 3. Modification of an incinerator, boiler, or industrial furnace unit in a manner that would not likely affect the capability of the unit to meet the regulatory performance standards but which would change the operating conditions or monitoring requirements specified in the plan of operation approval or license. 2
The department may require a new trial burn to demonstrate compliance with the regulatory performance standards.
- 4. Operating requirements.
 - a. Modification of the limits specified in the plan of operation approval for minimum or maximum combustion gas temperature, minimum combustion gas residence time, oxygen concentration in the secondary combustion chamber, flue gas carbon monoxide and hydrocarbon concentration, maximum temperature at the inlet to the particulate matter emission control system, or operating parameters for the air pollution control system. 3
The department will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.
 - b. Modification of any stack gas emission limits specified in the plan of operation approval, or modification of any conditions in the plan of operation approval concerning emergency shutdown or automatic waste feed cutoff procedures or controls. 3
 - c. Modification of any other operating condition or any inspection or recordkeeping requirement specified in the plan of operation approval. 2
- 5. Burning different wastes:

a. If the waste contains a POHC that is more difficult to burn than authorized by the plan of operation approval or if burning of the waste requires compliance with different regulatory performance standards than specified in the plan of operation approval. The department will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means. 3

b. If the waste does not contain a POHC that is more difficult to burn than authorized by the plan of operation approval and if burning of the waste does not require compliance with different regulatory performance standards than specified in the plan of operation approval. 2

Note: See ss. NR 680.07 (5) and 680.20 for modification procedures to be used for the management of newly listed or identified wastes.

- 6. Shakedown and trial burn:
 - a. Modification of the trial burn plan or any of the plan of operation approval conditions applicable during the shakedown period for determining operational readiness after construction, the trial burn period, or the period immediately following the trial burn. 2
 - b. Authorization of up to an additional 720 hours of waste burning during the shakedown period for determining operational readiness after construction. 1
 - c. Changes in the operating requirements set in the plan of operation approval for conducting a trial burn, provided the change is not significant. 1
 - d. Changes in the ranges of the operating requirements set in the plan of operation approval to reflect the results of the trial burn, provided the change is not significant. 1
- 7. Substitution of an alternative type of nonhazardous waste fuel that is not specified in the plan of operation approval. 1

L. Corrective Action

- 1. Approval of a corrective action management unit pursuant to s. NR 636.402 2
- 2. Approval of a temporary unit or time extension for a temporary unit pursuant to s. NR 636.412 2
- 3. Approval to terminate the implementation of corrective action based on the results of the facility investigation 2
- 4. Modification to specify the approved corrective measures 2
- 5. Approval to terminate the implementation of corrective action based on the satisfaction of all applicable conditions and requirements 2
- 6. Other plan modifications related to implementation of corrective action not covered by items 1 to 5 above 2

M. Containment Buildings.

- 1. Modification or addition of containment building units resulting in an increase in the facility's containment building storage or treatment capacity. 3
- 2. Modification of a containment building unit or secondary containment system without increasing the capacity of the unit. 2
- 3. Replacement of a containment building with a containment building that meets the same design standards provided:
 - a. The unit capacity is not increased. 1
 - b. The replacement containment building meets the same conditions in the permit. 1
- 4. Modification of a containment building management practice. 2
- 5. Storage or treatment of different wastes in containment buildings:
 - a. That require additional or different management practices. 3
 - b. That do not require additional or different management practices. 2