**Facility Name:** Click here to enter text.

**EPA ID:**Click here to enter text.

**Agency Interest ID:**Click here to enter text.

**Instructions:** In order to help expedite the review process, please submit the following with the permit application:

Part F – Procedures to Prevent Hazards Checklist. Columns “Submitted” and “Location in Application” must be completed by the applicant. Failure to do so may result in an Administrative Notice of Deficiency by the Division. The “Technically Adequate” Column is for use by KDWM staff.

*\*Notes: Y for Yes. N for No. NA for Not Applicable.*

| ***Section and Requirement*** | ***Regulation******(Federal or State)*** | ***Submitted****(Y/N/NA)\** | ***Location in Application*** | ***Technically Adequate****(Y/N)\** | ***Comments*** |
| --- | --- | --- | --- | --- | --- |
| **F.1** | **Waiver**In order to qualify for this waiver, the applicant must demonstrate to the Division that: | 270.14(b)(4); 264.14(a) |  |  |  | *Applicant must prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portion of his facility, unless the applicant qualifies for this waiver.*  |
|  | 1. Physical contact with the waste, structures, or equipment within the active portion of the facility will not injure unknowing or unauthorized persons or livestock which may enter the active portion of a facility; and
 | 264.14(a)(1) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Disturbance of the waste or equipment, by the unknowing or unauthorized entry of persons or livestock onto the active portion of a facility, will not cause a violation of the requirements of 40 CFR Part 264.

  | 264.14(a)(2) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
| **F.2** | **Security** | 270.14(b)(4);264.14(b) |  |  |  | *If applicant does not qualify for the waiver in Checklist F.1 above, the applicant must provide the applicable information requested throughout this Checklist.* |
|  | **F.2.1 Security Procedures and Equipment**Describe in detail the following security measures: | 264.14(b) |  |  |  |  |
|  | A 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility. Include the description of the procedures, equipment and its location, as well as personnel to be used. Or | 264.14(b)(1) | Click here to enter text. | Click here to enter text. |  | *Example: Television monitoring or surveillance by guards or facility personnel.* |
|  | * The artificial or natural barrier, which completely surrounds the active portion of the facility. The description should include but not limited to the barrier’s height and material of construction; and
 | 264.14(b)(2)(i) and (ii) | Click here to enter text. | Click here to enter text. |  | *Example: A fence in good repair or a fence combined with a cliff.* |
|  | * The means to control entry, at all times, through the gates or other entrances to the active portion of the facility. The description should include but not limited to procedure and personnel, as well as equipment to be used.
 |  | Click here to enter text. | Click here to enter text. |  | *Example: An attendant, television monitors, locked entrance, or controlled roadway access to the facility.* |
|  | **F.2.2 Warning Signs**Demonstrate that warning signs with the legend, “Danger—Unauthorized Personnel Keep Out”, will be or are posted at each entrance to the active portion of a facility, and at other locations, in sufficient numbers to be seen from any approach to this active portion. The warning signs must be legible from a distance of at least 25 feet.  | 264.14(c) | Click here to enter text. | Click here to enter text. |  | *Existing signs with a legend other than “Danger—Unauthorized Personnel Keep Out” may be used if the legend on the sign indicates that only authorized personnel are allowed to enter the active portion, and that entry onto the active portion can be dangerous.* |
| **F.3** | **General Inspection Requirements** | 270.14(b)(5); 264.15 |  |  |  | *Applicant must keep the written schedule developed under this requirement at the facility at all times.*  |
|  | Provide a description of the facility inspection schedule for the following : |  |  |  |  |  |
|  | 1. The equipment:
* Monitoring equipment.
* Emergency and safety equipment (Respirators, alarms, fire protection, etc.).
* Security devices (Surveillance system, barriers, locking devices).
* Operating and structural equipment that are vital to prevent, detect, or respond to environmental or human health hazards (Spill detection equipment, dikes, berms, etc.).
* Testing, as necessary, of communications or alarm systems, fire protection equipment and decontamination equipment.
 | 264.15(a),(b); 264.33 | Click here to enter text. | Click here to enter text. |  | *See Checklist F.3.1.ii through F.3.1.v below for more information to be included in the facility inspection schedule.* |
|  | 1. The schedule must identify the types of problems to look for during the inspection (e.g., leaks, deterioration, readings out of specified range, missing items or materials, inoperative equipment, etc.).
 | 264.15(b)(3) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. The frequency should be based on the rate of deterioration of the equipment and the probability of an environmental or human health incident if the deterioration, malfunction, or operator error goes undetected between inspections.
 | 264.15(b)(4) | Click here to enter text. | Click here to enter text. |  | *The frequency of inspection may vary for the items on the schedule. Areas subject to spills, such as loading and unloading areas, must be inspected daily when in use. Items and frequency must at minimum be in keeping with requirements elsewhere in Part 264 as specified in 264.15(b)(4)* |
|  | 1. Demonstrate that the applicant shall remedy any deterioration or malfunction of equipment or structures which the inspection reveals on a schedule which ensures that the problem does not lead to an environmental or human health hazard.
 | 264.15(c) | Click here to enter text. | Click here to enter text. |  | *Where a hazard is imminent or has already occurred, remedial action must be taken immediately.* |
|  | 1. Provide example of the inspection log. At a minimum, the inspection log must record the date and time of the inspection, the name of the inspector, a notation of the observations made, and the date and nature of any repairs or other remedial actions.
 | 264.15(d) | Click here to enter text. | Click here to enter text. |  | *The applicant must record inspections in an inspection log or summary. He must keep these records for at least three years from the date of inspection.* |
| **F.4** | **Specific Process Inspection Requirements** | 270.14(b)(5) |  |  |  | *The applicant shall provide additional inspection information for applicable specific units or processes.*  |
|  | **F.4.1 Container Inspection** Provide a description of the, at least weekly, inspection of areas where containers are stored. The applicant must look for leaking containers and for deterioration of containers and the containment system cause by corrosion or other factors. | 264.174 | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.4.2 Tank System Inspection**Provide the following information: | 264.195 |  |  |  | *The applicant must document in the operating record of the facility an inspection of those items in Checklist F.4.2(i) through (iii) below.*  |
|  | 1. An inspection schedule and procedure for inspecting overfill controls.
 | 264.195(a) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. A schedule for inspecting data gathered from monitoring and leak detection equipment (e.g., pressure or temperature gauges, monitoring wells) to ensure that the tank system is being operated according to its design.
 | 264.195(b) | Click here to enter text. | Click here to enter text. |  | *Inspection must be at least once each operating day.*  |
|  | 1. An inspection description for:
* Above ground portions of the tank system, if any, to detect corrosion or releases of waste.
* The construction materials and the area immediately surrounding the externally accessible portion of the tank system, including the secondary containment system (*e.g.*, dikes) to detect erosion or signs of releases of hazardous waste (*e.g.*, wet spots, dead vegetation).
 | 264.195(c) | Click here to enter text. | Click here to enter text. |  | *Inspection must be at least once each operating day. Lesser inspection frequency may be applicable if applicant satisfies Checklist F.4.2.iv below.*  |
|  | 1. If applicant uses leak detection systems to alert facility personnel to leaks, or implement established workplace practices to ensure leaks are promptly identified, must inspect at least weekly those areas described in *Checklist F.4.2.iii* above.
 | 264.195(d) | Click here to enter text. | Click here to enter text. |  | *Alternate inspection schedule must be documented in the facility's operating record. This documentation must include a description of the established workplace practices at the facility.* |
|  | 1. An inspection description for ancillary equipment that is not provided with secondary containment, as described in 40 CFR Part 264.193(f)(1) through (4).
 | 264.195(f) | Click here to enter text. | Click here to enter text. |  | *Inspection must be at least once each operating day.* |
|  | 1. An inspection description for cathodic protection systems. At a minimum, the schedule shall include the following to ensure that they are functioning properly:
* The proper operation of the cathodic protection system must be confirmed within six months after initial installation and annually thereafter; and
* All sources of impressed current must be inspected and/or tested, as appropriate, at least bimonthly (i.e., every other month).
 | 264.195(g) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. An inspection schedule description showing the level of waste in uncovered tanks is inspected each operating day.
 |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. An inspection schedule description and procedure for assessing the condition of the tank, including detection of leaks, cracks, or wall thinning to less than minimum shell thickness.
 |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. A description of the procedure for emptying a tank to allow entry and inspection when necessary to detect corrosion or erosion of the tank sides and bottom.
 |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.4.3 Waste Pile Inspection**Provide the following description: | 270.18(d); 264.254 |  |  |  |  |
|  | 1. Demonstrate that during construction or installation, liners and cover systems (*e.g.,* membranes, sheets, or coatings) must be inspected for uniformity, damage, and imperfections (*e.g.,* holes, cracks, thin spots, or foreign materials).
 | 264.254(a) | Click here to enter text. | Click here to enter text. |  | *In the case of existing portions of piles exempt from 40 CFR Part 264.251(a), liners are excluded from inspection.*  |
|  | 1. Demonstrate that immediately after construction or installation, the applicant shall inspect:
* Synthetic liners and covers to ensure tight seams and joints as well as the absence of tears, punctures, or blisters; and
* Soil-based and admixed liners and covers for imperfections including lenses, cracks, channels, root holes, or other structural non-uniformities that may cause an increase in the permeability of the liner or cover.
 | 264.254(a)(1) and (2) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Inspection schedule and procedure to detect evidence of any of the following:
* Deterioration, malfunctions, or improper operation of run-on and run-off control systems;
* Proper functioning of wind dispersal control systems, where present; and
* The presence of leachate in and proper functioning of leachate collection and removal systems, where present.
 | 264.254(b) | Click here to enter text. | Click here to enter text. |  | *This requirement applies while the waste pile is in operation. The inspection schedule must be weekly and after storm.*  |
|  | 1. If applicant is required to have a leak detection system under 40 CFR Part 264.251(c), demonstrate that the applicant will record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.
 | 264.254(c) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.4.4 Surface Impoundment Inspection** Provide the following description: | 270.17(c); 264.226 |  |  |  |  |
|  | 1. Demonstrate that during construction or installation, liners and cover systems (*e.g.,* membranes, sheets, or coatings) must be inspected for uniformity, damage, and imperfections (*e.g.,* holes, cracks, thin spots, or foreign materials).
 | 264.226(a) | Click here to enter text. | Click here to enter text. |  | *In the case of existing portions of surface impoundments exempt from 40 CFR Part 264.221(a), liners are excluded from inspection.* |
|  | 1. Inspection schedule and procedure to detect evidence of any of the following:
* Deterioration, malfunctions, or improper operation of overtopping control systems;
* Sudden drops in the level of the impoundment's contents; and
* Severe erosion or other signs of deterioration in dikes or other containment devices.
 | 264.226(b) | Click here to enter text. | Click here to enter text. |  | *This requirement applies while the surface impoundment is in operation. The inspection schedule must be weekly and after storm.* |
|  | 1. A certification from an independent Professional Engineer registered in the Commonwealth of Kentucky that the impoundment's dike, including that portion of any dike which provides freeboard:
* Will withstand the stress of the pressure exerted by the types and amounts of wastes to be placed in the impoundment; and
* Will not fail due to scouring or piping, without dependence on any liner system included in the surface impoundment construction.
 | 264.226(c)401 KAR 39:090 Sec 1 (7) | Click here to enter text. | Click here to enter text. |  | *This requirement applies prior to the issuance of a permit, and after any extended period of time (at least six months) during which the impoundment was not in service. Admixed liner shall be structurally sound and chemically resistant to the waste placed in it.* |
|  | 1. If applicant is required to have a leak detection system under 40 CFR Part 264.221(c) or (d), demonstrate that the applicant will record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.
 | 264.226(d)(1) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.4.5 Incinerator Inspection** Provide the following description: | 264.347 |  |  |  | *Inspection data must be recorded and the records must be placed in the operating record required by 40 CFR Part 264.73 and maintained in the operating record for five years.* |
|  | 1. Procedure on how the incinerator and associated equipment (pumps, valves, conveyors, pipes, etc.) will be visually inspected, at least daily, for leaks, spills, fugitive emissions, and signs of tampering.
 | 264.347(b) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Procedure on how the emergency waste feed cutoff system and associated alarms will be tested at least weekly to verify operability.
 | 264.347(c) | Click here to enter text. | Click here to enter text. |  | *Applicant is eligible to demonstrate to the Division that weekly inspections will unduly restrict or upset operations and that less frequent inspection is adequate. However, At a minimum, operational testing must be conducted at least monthly.* |
|  | **F.4.6 Landfill Inspection** Provide the following description: | 264.303 |  |  |  |  |
|  | 1. Demonstrate that during construction or installation, liners and cover systems (*e.g.,* membranes, sheets, or coatings) must be inspected for uniformity, damage, and imperfections (*e.g.,* holes, cracks, thin spots, or foreign materials)..
 | 264.303(a) | Click here to enter text. | Click here to enter text. |  | *In the case of existing portions of landfills exempt from 40 CFR Part 264.301(a), liners are excluded from inspection.* |
|  | 1. Inspection schedule and procedure to detect evidence of any of the following:
* Deterioration, malfunctions, or improper operation of overtopping control systems;
* Sudden drops in the level of the impoundment's contents; and
* Severe erosion or other signs of deterioration in dikes or other containment devices.
 | 264.303(b) | Click here to enter text. | Click here to enter text. |  | *This requirement applies while the landfill is in operation. The inspection schedule must be weekly and after storm.* |
|  | 1. If applicant is required to have a leak detection system under 40 CFR Part 264.301(c) or (d), demonstrate that the applicant will record the amount of liquids removed from each leak detection system sump at least once each week during the active life and closure period.
 | 264.303(c) | Click here to enter text. | Click here to enter text. |  | *If the applicant required to have a leak detection system under 40 CFR Part 264.301(c) or (d).* |
|  | **F.4.7 Land Treatment Facility Inspection**Provide the inspection schedule and procedure to detect evidence of any of the following:* Deterioration, malfunctions, or improper operation of run-on and run-off control systems; and
* Improper functioning of wind dispersal control measures.
 | 264.273(g) | Click here to enter text. | Click here to enter text. |  | *The inspection schedule must be weekly and after storm.* |
|  | **F.4.8 Boilers and Industrial Furnaces (BIF) Inspection** Provide the following information:  | 266.102; 266.111 |  |  |  |  |
|  | 1. Procedure on how the BIF and associated equipment (pumps, valves, pipes, fuel storage tanks, etc.) will be visually inspected, when it contains hazardous waste, at least daily for leaks, spills, fugitive emissions, and signs of tampering.
 | 266.102(e)(8)(iii) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Procedure on how the automatic hazardous waste feed cutoff system and associated alarms will be inspected and tested at least once every 7 days when hazardous waste is burned to verify operability.
 | 266.102(e)(8)(iv) | Click here to enter text. | Click here to enter text. |  | *Applicant is eligible to demonstrate to the Division that weekly inspections will unduly restrict or upset operations and that less frequent inspections will be adequate. At a minimum, operational testing must be conducted at least once every 30 days.* |
|  | 1. Procedure on how the applicant will inspect, at least once each operating hour, when hazardous waste is being transferred from the transport vehicle (container) to the BIF.
 | 266.111(e)(3) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.4.9 Containment Building Inspection**Provide the procedure on how the applicant will inspect and record in the facility operating record, at least once every seven days, data gathered from monitoring and leak detection equipment as well as the containment building and the area immediately surrounding the containment building to detect signs of releases of hazardous waste. | 264.1101(c)(3), (4) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.4.10 Drip Pad Inspection**Provide the following information: | 264.574 |  |  |  |  |
|  | 1. Demonstrate that during construction or installation, liners and cover systems (*e.g.,* membranes, sheets, or coatings) must be inspected for uniformity, damage, and imperfections (*e.g.,* holes, cracks, thin spots, or foreign materials).
 | 264.574(a) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstrate that immediately after construction or installation, the applicant shall inspect:
* The liners and must be certified as meeting the requirements in 40 CFR Part 264.573.
* Liners and covers must be inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters.
 | 264.574(a) | Click here to enter text. | Click here to enter text. |  | *The certification must be from an independent Professional Engineer registered in the Commonwealth of Kentucky.* |
|  | 1. Inspection schedule and procedure to detect evidence of any of the following:
* Deterioration, malfunctions or improper operation of run-on and run-off control systems.
* The presence of leakage in and proper functioning of leak detection system.
* Deterioration or cracking of the drip pad surface.
 | 264.574(b) | Click here to enter text. | Click here to enter text. |  | *This requirement applies while the drip pad is in operation. The inspection schedule must be weekly and after storm.* |
|  | **F.4.11 Miscellaneous Unit Inspection** Applicant shall provide an inspection program that ensures compliance with standards in 40 CFR Part 264.601 and 270.23. | 264.602 | Click here to enter text. | Click here to enter text. |  | *Applicant may use unit-specific Checklist F.4.1 through F.4.10 above that is most applicable to applicant’s miscellaneous unit.*  |
| **F.5** | **Preparedness and Prevention** | 40 CFR Part 264 – Subpart C |  |  |  |  |
|  | **F.5.1 Waiver**If applicant requests a waiver(s) of the preparedness and prevention requirements of 40 CFR Part 264, subpart C, provide the justification.  | 270.14(b)(6) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.5.2 Required Equipment** Provide a description of the following:  | 270.14(b), 264.32 |  |  |  | *Applicant must equip the equipment in Checklist F.5.2(i) through (iv), unless it can be demonstrated to the Division that none of the hazards posed by waste handled at the facility could require a particular kind of equipment specified.* |
|  | 1. An internal communications or alarm system capable of providing immediate emergency instruction (voice or signal) to facility personnel;
 | 264.32(a) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. A device, such as a telephone (immediately available at the scene of operations) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams;
 | 264.32(b) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment; and
 | 264.32(c) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.
 | 264.32(d) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.5.3 Testing and Maintenance of Equipment**Demonstrate that all facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment, where required, will be tested and maintained as necessary to assure its proper operation in time of emergency. | 264.33 | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.5.4 Access to Communications or Alarm System**Provide the following information:  | 264.34 |  |  |  |  |
|  | 1. Demonstrate that whenever hazardous waste is being handled, all personnel involved in the operation have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee.
 | 264.34(a) | Click here to enter text. | Click here to enter text. |  | *This checklist is not required if the Division has ruled that such device is not required under Checklist F.5.2.*  |
|  | 1. Demonstrate that if there is ever just one employee on the premises while the facility is operating, he has immediate access to a device, such as a telephone (immediately available at the scene of operation) or a hand-held two-way radio, capable of summoning external emergency assistance.
 | 264.34(b) | Click here to enter text. | Click here to enter text. |  | *This checklist is not required if the Division has ruled that such device is not required under Checklist F.5.2.* |
|  | **F.5.5 Aisle Space Requirement**Demonstrate that the applicant will maintain aisle space to allow unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency. | 264.35 | Click here to enter text. | Click here to enter text. |  | *The applicant may demonstrate to the Division that aisle space is not needed for any of these purposes.* |
|  | **F.5.6 Arrangements with Local Authorities**Demonstrate the following: | 264.37 |  |  |  | *The applicant must attempt to make the following arrangements, as appropriate for the type of waste handled at his facility and the potential need for the services of these organizations.* |
|  | 1. Arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to and roads inside the facility, and possible evacuation routes.
 | 264.37(a)(1) and (2) | Click here to enter text. | Click here to enter text. |  | *Where more than one police and fire department might respond to an emergency, agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to the primary emergency authority.* |
|  | 1. Agreements with State emergency response teams, emergency response contractors, and equipment suppliers.
 | 264.37(a)(3) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.
 | 264.37(a)(4) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Where State or local authorities decline to enter into such arrangements, the applicant shall document the refusal in the operating record.
 | 264.37(b) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.5.7 Prevention Procedures, Structures, and Equipment**Provide a description of procedures, structures, or equipment used or will be used at the facility to: | 270.14 |  |  |  |  |
|  | 1. Prevent hazards in unloading operations (for example, ramps, special forklifts). Identify possible loading and unloading hazards, and document steps taken to minimize or eliminate possibility of these hazards.
 | 270.14(b)(8)(i) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Prevent runoff from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding (for example, berms, dikes, trenches).
 | 270.14(b)(8)(ii) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Prevent contamination of water supplies.
 | 270.14(b)(8)(iii) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Mitigate effects of equipment failure and power outages.
 | 270.14(b)(8)(iv) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Prevent undue exposure of personnel to hazardous waste (for example, protective clothing).
 | 270.14(b)(8)(iii) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Prevent hazardous waste releases to atmosphere.
 | 270.14(b)(8)(iii) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
| **F.6** | **Prevention of Reaction of Ignitable, Reactive, and Incompatible Waste** | 270.14(b)(9); 264.17(c) |  |  |  | *The applicant shall document compliance with Checklist F.6.1 and F.6.2 below. The documentation may be based on references to published scientific or engineering literature, data from trial tests, waste analyses, or the results of the treatment of similar wastes by similar treatment processes and under similar operating conditions.*  |
|  | **F.6.1 Precautions to Prevent Ignition or Reaction of Ignitable or Reactive wastes**Describe the precautions or preventions taken by the facility for the following: | 264.17 |  |  |  | *The applicant must take precautions to prevent accidental ignition or reaction of ignitable or reactive waste.* |
|  | 1. How ignitable and reactive waste will be separated and protected from sources of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical, or mechanical), spontaneous ignition (e.g., from heat-producing chemical reactions), and radiant heat.
 | 264.17(a) | Click here to enter text. | Click here to enter text. |  | *Ignitable and reactive waste must be separated and protected from sources of ignition or reaction.* |
|  | 1. While ignitable or reactive waste is being handled, the applicant will confine smoking and open flame to specially designated locations.
 | 264.17(a) | Click here to enter text. | Click here to enter text. |  | *“No Smoking” signs must be conspicuously placed wherever there is a hazard from ignitable or reactive waste.* |
|  | **F.6.2 General Precautions for Handling Ignitable or Reactive Waste and Mixing of Incompatible Wastes**A description of the precautions taken by a facility that stores, treats or disposes of ignitable or reactive waste or mixes incompatible waste or incompatible wastes and other materials, to prevent reactions which:* Generate extreme heat or pressure, fire or explosions, or violent reactions.
* Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health or the environment.
* Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions.
* Damage the structural integrity of the device or facility.
* Through other like means threaten human health or the environment.
 | 264.17(b) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.3 Management of Ignitable or Reactive Wastes in Containers**Provide sketches, drawings, or data demonstrating that containers holding ignitable or reactive wastes are located at least 15 meters (50 feet) from the facility’s property line. | 270.15(c); 264.176 | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.4 Management of Incompatible Wastes in Containers**Provide the following: | 270.15(c) and (d) |  |  |  |  |
|  | 1. Sketches, drawings, or data demonstrating that a storage container holding a hazardous waste that is incompatible with any waste or other materials stored nearby in other containers, piles, open tanks, or surface impoundments will be separated from the other materials or protected from them by means of a dike, berm, wall, or other device.
 | 264.177(c) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. The procedures used to ensure that incompatible wastes, or incompatible wastes and materials will not be placed in the same container.
 | 264.177(a) | Click here to enter text. | Click here to enter text. |  | *This requirement is not applicable if applicant complies with Checklist F.6.2 [40 CFR Part 264.17(b)] above.*  |
|  | 1. The procedures used to ensure that hazardous waste will not be placed in an unwashed container that previously held an incompatible waste or material.
 | 264.177(b) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.5 Management of Ignitable or Reactive Wastes in Tank Systems**Provide the following: | 270.16(j) |  |  |  | *Ignitable or reactive waste must not be placed in tank systems, unless applicant complies with requirements in Checklist F.6.5.i above.*  |
|  | 1. A description of how the waste will be treated, rendered, or mixed before or immediately after placement in the tank system so that:
* The resulting waste, mixture, or dissolved material no longer meets the definition of ignitable or reactive waste; and
* *Checklist F.6.2* above is complied with.

OrDemonstrate that the waste is managed or handled in such a way that it is protected from any material or conditions that may cause the waste to ignite or react.Or Demonstrate that the tank system is used solely for emergencies.  | 264.198(a) | Click here to enter text. | Click here to enter text. |  | *Description shall include operating procedures, tank system and facility design.* |
|  | 1. Demonstrate that where ignitable or reactive waste is stored or treated in a tank, applicant will comply with the requirements for the maintenance of protective distances between the waste management area and any public ways, streets, alleys, or an adjoining property line that can be built upon as required in Tables 2-1 through 2-6 of the National Fire Protection Association's “Flammable and Combustible Liquids Code,” (1977 or 1981).
 | 264.198(b) | Click here to enter text. | Click here to enter text. |  | *The tables are incorporated by reference in 40 CFR Part 260.11.* |
|  | **F.6.6 Management of Incompatible Wastes in Tank Systems** Provide the following: | 264.199 |  |  |  | *Requirements in Checklist F.6.6 are not applicable if applicant complies with Checklist F.6.2 [40 CFR Part 264.17(b)] above.* |
|  | 1. Demonstrate that incompatible wastes, or incompatible wastes and materials, will not be placed in the same tank system.
 | 264.199(a) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstrate that hazardous waste will not be placed in a tank system that has not been decontaminated and that previously held an incompatible waste or material.
 | 264.199(b) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.7 Management of Ignitable or Reactive Wastes Placed in Waste Piles**Provide the following:  | 270.18(f) |  |  |  | *Ignitable or reactive waste must not be placed in a waste pile unless the waste and waste pile satisfy all applicable requirements of 40 CFR Part 268, and Checklist F.6.7.*  |
|  | A description of how the waste will be treated, rendered, or mixed before or immediately after placement in the pile so that:* The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste; and
* *Checklist F.6.2* above is complied with.

OrDemonstrate that the waste is managed in such a way that it is protected from any material or conditions which may cause it to ignite or react. | 264.256 | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.8 Management of Incompatible Wastes Placed in Waste Piles**Provide the following: | 264.18(g) |  |  |  | *Requirements in Checklist F.6.8 are not applicable if applicant complies with Checklist F.6.2 [40 CFR Part 264.17(b)] above.*  |
|  | 1. Demonstrate that incompatible wastes, or incompatible wastes and materials, will not be placed in the same pile.
 | 264.257(a) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstrate that a pile of hazardous waste that is incompatible with any waste or other material stored nearby in containers, other piles, open tanks, or surface impoundments will be separated from the other materials, or protected from them by means of a dike, berm, wall, or other device.
 | 264.257(b) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstrate that hazardous waste will not be piled on the same base where incompatible wastes or materials were previously piled, unless the base has been decontaminated sufficiently to ensure compliance with *Checklist F.6.2* above.
 |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.9 Management of Ignitable or Reactive Wastes in Surface Impoundments**A description of how the waste will be treated, rendered, or mixed before or immediately after placement in the tank system so that:* The resulting waste, mixture, or dissolved material no longer meets the definition of ignitable or reactive waste; and
* *Checklist F.6.2* above is complied with.

OrDemonstrate that the waste is managed or handled in such a way that it is protected from any material or conditions that may cause the waste to ignite or react.Or Demonstrate that the surface impoundment is used solely for emergencies.  | 270.17(g); 264.229 | Click here to enter text. | Click here to enter text. |  | *Ignitable or reactive waste must not be placed in a surface impoundment, unless the waste and impoundment satisfy all applicable requirements of 40 CFR Part 268, and Checklist F.6.9* |
|  | **F.6.10 Management of Incompatible Wastes in Surface Impoundments**Demonstrate that incompatible wastes, or incompatible wastes and materials, will not be placed in the same surface impoundment, unless *Checklist F.6.2* above is complied with. | 270.17(h); 264.230 | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.11 Management of Ignitable or Reactive Wastes Placed in Landfills**Provide the following: | 270.21(f) |  |  |  | *Ignitable or reactive waste must not be placed in a landfill, unless the waste and landfill meet all the applicable requirements of 40 CFR Part 268, and Checklist F.6.11. Possible exceptions are in 40 CFR Part 264.312(b) and in 40 CFR Part 264.316.* |
|  | 1. Demonstrate that the resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste; and
 | 264.312(a)(1) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstrate that *Checklist F.6.2* above is complied with.
 | 264.312(a)(2) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. If applicant claims exception in 40 CFR Part 264.312(b) or 40 CFR Part 264.316, demonstrate how the applicant will comply with the requirements.
 |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.12 Management of Incompatible Wastes Placed in Landfills**Demonstrate that incompatible wastes, or incompatible wastes and materials, will not be placed in the same landfill cell, unless *Checklist F.6.2* above is complied with. | 270.21(g); 264.313 | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.13 Management of Ignitable or Reactive Wastes Placed in Land Treatment Units**Provide the following: | 270.20(g) |  |  |  | *Ignitable or reactive waste must not be applied to the treatment zone, unless the waste and the treatment zone meet all the applicable requirements of 40 CFR Part 268, and Checklist F.6.13.* |
|  | A description or procedure on how the waste is immediately incorporated into the soil so that:* The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste; and
* *Checklist F.6.2* above is complied with.

OrDemonstrate that the waste is managed in such a way that it is protected from any material or conditions which may cause it to ignite or react. | 264.281 | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.14 Management of Incompatible Wastes Placed in Land Treatment Units**Demonstrate that the applicant will not place incompatible wastes, or incompatible wastes and materials, in or on the same treatment zone, unless *Checklist F.6.2* above is complied with. | 270.20(h); 264.282 | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **F.6.15 Management of Incompatible Wastes Placed in Containment Buildings**Demonstrate that incompatible hazardous wastes or treatment reagents will not be placed in the unit or its secondary containment system if they could cause the unit or secondary containment system to leak, corrode, or otherwise fail. | 270.14(a); 264.1101(a)(3) | Click here to enter text. | Click here to enter text. |  | *Demonstration shall consider design, primary and secondary containment, barriers to prevent migration, leak detection, and facility logs.*  |