**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 D – Process Information - Containers 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.

*\*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*** |
| --- | --- | --- | --- | --- | --- | --- |
| **D.1** | **General Description**  Provide the following information: | 270.15; 264.170; 264.171, 172 |  |  |  | *All design information submitted must be certified by a Professional Engineer registered in the Commonwealth of Kentucky.* |
|  | 1. Type of containers, its construction material (including liners, if applicable), and manufacturer’s specifications. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Maximum number of containers, containers dimensions, and volume of each type of container. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstrate that the containers are made of or lined with materials which will not react with, and are otherwise compatible with the hazardous waste to be stored. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Describe the handling procedures so as to avoid rupturing or leaking. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Describe the procedures to be followed if a container is ruptured or begins to leak. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Machinery/equipment and procedures used to move containers. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Container storage area floor layout diagram to demonstrate adequate aisle space for machinery, inspections, and to meet applicable codes (i.e., fire). Specify stacking height and aisle space. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Statement that waste containers will always be kept closed during storage except when adding or removing waste. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. A sample of markings and labels placed on the containers. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
| **D.2** | **Containers with Free Liquids or Containers Holding F020, F021, F022, F023, F026, and F027 Wastes that Do Not Contain Free Liquids.**  Container storage areas that store containers holding free liquids or F-listed wastes above must have a secondary containment system. | 270.15; 264.175(a), (b) |  |  |  |  |
|  | **D.2.1 Secondary Containment System Design and Operation**  Provide the following information: | 270.15(a)(1); 264.175 |  |  |  |  |
|  | 1. Basic design parameters, dimensions, and materials of construction. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstration that the liner material is compatible with the waste. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstration that the base will withstand the stresses from machinery and equipment used to move containers. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. An engineering evaluation of the structural integrity of the base (for existing units). |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstration that the base is free of cracks or gaps and procedures to be used if cracks or gaps are discovered. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Demonstration that the base is sufficiently impervious to contain spill, leaks and accumulated precipitation until the collected material is detected and removed. |  | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **D.2.2 Secondary Containment System Drainage or Containers Elevation**  Provide a description of how the containment system is or will be designed and operated to drain and remove liquids resulting from leaks, spills, or precipitation.  OR  Demonstrate how the containers are elevated or otherwise protected from contact with accumulated liquids. In addition, describe how the accumulated liquids will be managed.  If applicable, include the following:   * Handling and stacking practices. * Grading of base. | 270.15(a)(2); 264.175(b)(2) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **D.2.3 Secondary Containment System Capacity**  Based on the floor layout diagram provided in *Checklist* *D.1.vii* above, demonstrate that the containment system is designed with sufficient capacity to contain 10 percent of the volume of containers or the volume of the largest container, whichever is greater. The calculated containment capacity must account for the submerged portion of the containers.  The applicant should include the following:   * Volume of largest container. * Total volume of containers. * Volume of the containment system. * Capacity of run-off collection system. * Estimated allowance for run-off (include geographic storm intensity/frequency data or other supporting information). | 270.15(a)(3); 264.175(b)(3) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **D.2.4 Preventing or Managing Run-on**  Run-on into the containment system must be prevented unless the collection system has sufficient excess capacity in addition to the 10 percent minimum (*Checklist* *D.2.3* above) to contain any run-on which might enter the system.  Demonstrate how the requirement above will be met and the discussion should include, but not limited to, the following:   * Containment system auxiliary structures (curbs, dikes, etc.) to control run-on. * Engineering grading design. * Collection and removal system design capacity. * Estimated allowance for run-on (include geographic storm intensity/frequency data or other supporting information). | 270.15(a)(4); 264.175(b)(4) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | **D.2.5 Removal of Liquids from Secondary Containment System**  Spilled or leaked waste and accumulated precipitation must be removed from the sump or collection area in a timely manner as is necessary to prevent overflow of the collection system.  Describe the procedures to be used to comply with the requirement above and the discussion should include, but not limited to, the following:   * How liquids will be analyzed. * Removal equipment and methods (sump pump design, piping specification, location, discharge point, and capacity). * Management of accumulated liquid including prevention of overflow. | 270.15(a)(5); 264.175(b)(5) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
| **D.3** | **Containers without Free Liquids**  Storage areas that store containers holding only wastes that do not contain free liquids need not have a containment system, provided that the applicant comply with any of the requirements in *Checklist* *D.3.2* below. | 270.15(b); 264.175(c) |  |  |  | *Storage areas that store containers holding FO20, FO21, FO22, FO23, FO26, and FO27 wastes that do not contain free liquids must have a secondary containment system. Use Checklist D.2.1 through D.2.5 above.* |
|  | **D.3.1 Test for Free Liquids**  Provide test procedures and results or other documentation or information to show that the wastes do not contain free liquids. | 270.15(b)(1) | Click here to enter text. | Click here to enter text. |  | *These wastes must pass the Paint Filter Test, Method 9095 in SW-846.* |
|  | **D.3.2 Storage Area Design and Operation**  Demonstrate that the:   * Storage area is sloped or is otherwise designed and operated to drain and remove liquid resulting from precipitation, or * Containers are elevated or otherwise protected from contact with accumulated liquid. | 270.15(b)(2); 264.175(c)(1), (2) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
| **D.4** | **Ignitable or Reactive Wastes**  Demonstrate that containers holding ignitable or reactive waste 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. |
| **D.5** | **Incompatible Wastes** | 270.15(c) |  |  |  |  |
|  | 1. Describe the procedures used to ensure that incompatible wastes, or incompatible wastes and materials are not placed in the same container, unless 40 CFR Part 264.17(b) is complied with. | 264.177(a) | Click here to enter text. | Click here to enter text. |  | Click here to enter text. |
|  | 1. Describe the procedures used to ensure that hazardous waste is not 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. |
|  | 1. Demonstrate that storage containers holding a hazardous waste that is incompatible with any waste or other materials stored nearby in other containers, piles, open tanks, or surface impoundments are 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. |