

DRIP PAD CHECKLIST (OAC 3745-69-40 TO 3745-69-45)

DESIGN REQUIREMENTS

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| 1. | Is the drip pad constructed of non-earthen materials excluding wood and non-structurally supported asphalt? [3745-69-43(A)(1)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 2. | Is the drip pad sloped to free-drain treated wood drippage, rain and other waters, or solutions of drippage and water or other wastes to the associated collection system? [3745-69-43(A)(2)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 3. | Does the drip pad have a curb or a berm around the perimeter? [3745-69-43(A)(3)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 4. | Has the drip pad been evaluated to determine that it meets the requirements of paragraphs (A) through (F) of OAC rule 3745-69-43? [3745-69-43(G)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | If yes, has the owner/operator obtained a statement from an independent, qualified registered PE certifying that the drip pad design meets the requirements of this section? [3745-69-43(G)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

SEALED DRIP PADS

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| 5. | Is the drip pad an existing pad and has the owner/operator elected to comply with OAC rule 3745-69-43(A)(4) instead of OAC rule 3745-69-42(B)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | If no, skip to LINED DRIP PADS section | | | |

NOTE: An existing drip pad is one constructed prior to September 2, 1997 or the owner/operator had generated a design and had entered into binding financial or other agreements for construction prior to September 2, 1997.

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| 6. | Is the entire surface of the drip pad where drippage occurs or may run across sealed, coated or covered with a surface material that has a hydraulic conductivity of less than or equal to 1×10^{-7} centimeters per second? [3745-69-43(A)(4)(a)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 7. | Is the drip pad maintained free of cracks and gaps that could adversely affect its hydraulic conductivity? [3745-69-43(A)(4)(a)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 8. | Is the material used to seal the drip pad chemically compatible with preservatives that contact the pad? [3745-69-43(A)(4)(a)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 9. | Does the owner/operator have on file at the facility a written assessment of the integrity of the drip pad, reviewed and certified by a registered PE that attests to the results of the evaluation? [3745-69-43(A)(4)(b)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| a. | If yes, is the assessment reviewed, updated and recertified annually? [3745-69-43(A)(4)(b)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 10. | Does the evaluation document the extent to which the drip pad meets the design and operating standards of this rule, except for paragraph (B) which applies to pads with liner/leak detection? [3745-69-43(A)(4)(b)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 11. | Is the drip pad of sufficient structural strength and thickness to prevent failure due to physical contact, climatic conditions, stress of installation and stress of daily operations, e.g., vehicle traffic and movement of wood? [3745-69-43(A)(5)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

LINED DRIP PADS

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| 12. | If the owner/operator elects to comply with OAC rule 3745-69-43(B) instead of OAC rule 3745-69-43(A)(4), does the drip pad have a synthetic liner installed below the drip pad? [3745-69-43(B)(1)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 13. | Is the liner designed, constructed and installed to prevent leakage from the pad into adjacent subsurface soil, groundwater or surface water at any time during the active life including closure period of the drip pad? [3745-69-43(B)(1)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 14. | Is the liner constructed of materials that have appropriate chemical properties and sufficient structural strength and thickness to prevent failure due to pressure gradients, physical contact with the waste, climatic conditions, stress of installation and stress of daily operations, e.g., vehicle traffic on the pad? [3745-69-43(B)(1)(a)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

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| 15. | Is the liner placed on a foundation or base capable of providing support to the liner and resistance to pressure gradients above and below the liner to prevent failure of the liner due to settlement, compression or uplift? [3745-69-43(B)(1)(b)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 16. | Is the liner installed to cover all surrounding earth that could come in contact with waste or leakage? [3745-69-43(B)(1)(c)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| LEAKAGE DETECTION SYSTEM | | | | |
| 17. | Does the drip pad have a leakage detection system that is immediately above the liner? [3745-69-43(B)(2)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 18. | Is the leakage detection system designed, constructed, maintained and operated to detect leakage for the pad? [3745-69-43(B)(2)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 19. | Is the leakage detection system constructed of materials that are: | | | |
| | a. Chemically resistant to the waste managed in the drip pad and the leakage that might be generated? [3745-69-43(B)(2)(a)(i)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | b. Of sufficient strength and thickness to prevent collapse under the pressures exerted by overlaying materials and by equipment used on the drip pad? [3745-69-43(B)(2)(a)(ii)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 20. | Is the leakage detection system designed and operated to function without clogging through the scheduled closure of the drip pad? [3745-69-43(B)(2)(b)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 21. | Is the leakage detection system designed so that it will detect that failure of the drip pad or the presence of a release of hazardous waste or accumulated liquid at the earliest practicable time? [3745-69-43(B)(2)(c)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| LEAKAGE COLLECTION SYSTEMS | | | | |
| <i>NOTE: Leakage Collection Systems applies only to drip pads installed after September 2, 1997.</i> | | | | |
| 22. | Does the drip pad have a leakage collection system immediately above the liner? [3745-69-43(B)(3)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 23. | Is the leakage collection system designed, constructed, maintained and operated to collect leakage from the pad such that it can be removed from below the drip pad? [3745-69-43(B)(3)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 24. | Is the date, time and quantity of any leakage collected and removed from this system documented in the operating log? [3745-69-43(B)(3)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 25. | Is the drip pad and associated collection system designed and operated to convey, drain and collect liquid resulting from drippage or precipitation in order to prevent run-off? [3745-69-43(D)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| RUN-ON AND RUN-OFF CONTROL | | | | |
| 26. | Is the drip pad protected by a structure as described in OAC rule 3745-69-40(B)? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | If yes, skip to OPERATION section | | | |
| 27. | If not protected by a structure as described in OAC rule 3745-69-40(B), has the owner/operator designed, constructed, operated and maintained a run-on control system capable of preventing flow onto the drip pad during peak discharge of a 24-hour 25-year storm? [3745-69-43(E)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | a. If not, does the system have sufficient excess capacity to contain any run-on that might enter the system to collect and control at least the water volume resulting from a 24-hour 25-year storm? [3745-69-43(E)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 28. | If not protected by a structure defined in OAC rule 3745-69-40(B), has the owner/operator designed, constructed, operated and maintained a run-off management system to collect and control at least the water volume resulting from a 25-year storm? [3745-69-43(F)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| OPERATION | | | | |
| 29. | Has the drippage and accumulated precipitation been removed from the associated collection system as necessary to prevent overflow onto the drip pad? [3745-69-43(H)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

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| 30. | Is the drip pad surface cleaned thoroughly in a manner and frequency such that accumulated residues of hazardous waste or other materials are removed so as to allow weekly inspections of the entire drip pad surface without interference or hindrance from accumulated residues of hazardous waste and other materials? [3745-69-43(I)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | a. If yes, has the owner/operator documented the date and time of each cleaning? [3745-69-43(I)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | b. Is the cleaning procedure described in the facility's operating log? [3745-69-43(I)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 31. | Is the drip pad operated and maintained in a manner to minimize tracking of hazardous waste constituents off the drip pad as a result of activities by personnel or equipment? [3745-69-43(J)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 32. | After being removed from the treatment vessel, is treated wood from pressure and non-pressure processes being held on the drip pad until drippage has ceased? [3745-69-43(K)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | a. If yes, has the owner/operator maintained records sufficient to document that all treated wood is held on the pad following treatment? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 33. | Are the collection and holding units associated with run-on and run-off control systems emptied or otherwise managed as soon as possible after storms to maintain design capacity of the system? [3745-69-43(L)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 34. | Has the owner/operator maintained as part of the facility operating log documentation of past operating and waste handling practices? [3745-69-43(N)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | If yes, does it include: | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | a. Preservative formulations used in the past? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | b. Description of drippage management practices? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | c. Description of treated wood storage and handling practices? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| RELEASES OF HAZARDOUS WASTE | | | | |
| 35. | Is the drip pad maintained such that it remains free of cracks, gaps, corrosion or other deterioration that could cause hazardous waste to be released from the pad? [3745-69-43(C)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 36. | Throughout the active life of the drip pad, has the owner/operator detected a condition that may have caused or has caused a release of hazardous waste? [3745-69-43(M)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | If no, skip to INSPECTION AND RECORD KEEPING section | | | |
| 37. | Has the condition been repaired within a reasonably prompt period of time following discovery? [3745-69-43(M)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| 38. | Upon detection of a condition that may have caused or has caused a release of hazardous waste, did the following occur: | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | a. Has a record of the discovery been entered in the facility operating log? [3745-69-43(M)(1)(a)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | b. Was the portion of the drip pad affected by the condition immediately removed from service? [3745-69-43(M)(1)(b)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | c. Have the steps for repair of the drip pad been determined, has any leakage been removed from below the drip pad and a schedule for clean up and repair been established? [3745-69-43(M)(1)(c)] | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |
| | d. Within 24 hours after discovery of the condition, was the director notified and within 10 working days was a written notice provided to the director with a description of the steps that will be taken to repair the drip pad, clean up any leakage and the schedule for | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> |

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| | | accomplishing this work? [3745-69-43(M)(1)(d)] | |
| | e. | Upon completing all repairs and clean up, has the owner/operator notified the director in writing and provided a certification, signed by an independent PE, that the repairs and clean up have been completed in accordance with the written plan submitted in accordance with paragraph (M)(1)(d) of this rule? [3745-69-43(M)(3)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| INSPECTION AND RECORD KEEPING | | | |
| 39. | | During construction or installation, was the liner and cover system (e.g., membranes, sheets or coatings) inspected for uniformity, damage and imperfections (e.g., holes, cracks, thin spots or foreign materials)? [3745-69-44(A)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 40. | | Immediately after construction or installation, was the liner inspected and certified as meeting the requirements of OAC rule 3745-69-43 by an independent, qualified, registered PE? [3745-69-44(A)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | a. | If yes, is the certification maintained at the facility as part of the facility operating record? [3745-69-44(A)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 41. | | Were the liner and cover inspected after installation to ensure tight seams and joints, and the absence of tears, punctures or blisters? [3745-69-44(A)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 42. | | Is a contingency plan maintained that describes how an owner/operator will respond immediately to incidental drippage in the storage yard? [3745-69-40(C)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | | Has the facility described the following in their contingency plan: | |
| | a. | Clean up the drippage? | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | b. | Document the cleanup of spillage? | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | c. | Retain documents regarding cleanups for three years? | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | d. | Manage the contaminated media in a manner consistent with the ORC and OAC? | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 43. | | Has the facility inspected the drip pad weekly and after storms? [3745-69-44(B)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | | If yes, did the facility check for the following: | |
| | a. | Deterioration, malfunctions or improper operation of run-on and run-off control systems? [3745-69-44(B)(1)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | b. | The presence of leakage in and proper functioning of leakage detection system? [3745-69-44(B)(2)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | c. | Deterioration or cracking of the drip pad surface? [3745-69-44(B)(3)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| 44. | | Is the drip pad operated by a generator without a hazardous waste operating permit? If so: | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | a. | Are procedures to ensure that all wastes are removed from the drip pad and associated collection system at least once every 90 days maintained at the facility? [3745-52-34(A)(1)(c)(i)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |
| | b. | Is documentation of each waste removal, including the quantity of waste removed from the drip pad and the collection system and date and time of removal maintained at the facility? [3745-52-34(A)(1)(c)(ii)] | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/> |