

PART B REVIEW CHECKLIST

SECTION F - PROCEDURES TO PREVENT HAZARDS

Last updated: May 2005

Facility/ID #		Date	
Reviewer		DO	

Relevant Guidance Documents: *None*

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
F-1 <u>Security</u>						
F-1a <u>Waiver</u> OAC 3745-50-44 (A)(4), 3745-54-14 (A)						
If a waiver of the security procedures and equipment requirements is requested, does the owner or operator provide adequate demonstration of the following:						
F-1a(1) <u>Injury to Intruder:</u> OAC 3745-54-14 (A)(1)						
That physical contact with the waste, structure, or equipment within the active portion of the facility will not injure unknowing or unauthorized persons or livestock that may enter the active portion of a facility?; and						
F-1a(2) <u>Violation Caused By Intruder:</u> OAC 3745-54-14 (A)(2)						
That 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 Chapters 3745-54 to 3745-57 and 3745-205 of the Administrative Code?						

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	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
F-1b <u>Security Procedures and Equipment</u> OAC 3745-50-44 (A)(4), 3745-54-14 (B)						
If the owner/operator does not provide a justification for a waiver of these requirements, has he demonstrated that the facility has the following:						
F-1b(1) <u>24-Hour Surveillance System:</u> OAC 3745-54-14 (B)(1)						
Does the facility demonstrate that it has a 24-hour surveillance system (e.g., television monitoring or surveillance by guards or facility personnel) that continuously monitors and controls entry onto the active portion of the facility?; or						
F-1b(2) <u>Barrier:</u> OAC 3745-54-14 (B)(2)(a)						
Does the facility demonstrate that it has an artificial or natural barrier (e.g., a fence in good repair or a fence combined with a cliff) that completely surrounds the active portion of the facility?; and						
F-1b(3) <u>Means to Control Entry:</u> OAC 3745-54-14 (B)(2)(b)						
Does the facility demonstrate that it has a means to control entry at all times through the gates or other entrances to the active portion of the facility (e.g., an attendant, television monitors, locked entrance or controlled roadway access to the facility)?						
F-1c <u>Warning Signs:</u> OAC 3745-54-14 (C)						

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Unless a waiver is granted, does the facility have a sign with the legend, "Danger - Unauthorized Personnel Keep Out," posted at each entrance to the active portion of the facility and at other locations, in sufficient numbers to be seen from any approach to this active portion? Note that 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.						
Is the legend legible from a distance of at least 25 feet?						
F-2 Inspection Schedule						
F-2a General Inspection Requirements: OAC 3745-50-44 (A)(5), 3745-54-15 (A), (B)(1) & (B)(2), 3745-54-33						
Does the owner/operator indicate the facility will develop and follow a written schedule for inspecting all monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment at his facility that are vital to prevent, detect, or respond to releases to the environment or threats to human health?						
Does the inspection schedule demonstrate that all facility communication and alarm systems, fire protection equipment, spill control equipment, and decontamination equipment, where required, is tested and maintained as necessary to assure proper operation at the time of an emergency?						
Does the owner/operator indicate this schedule will be kept at the facility?						

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F-2a(1) <u>Types of Problems:</u> OAC 3745-54-15 (B)(3)						
Does the facility's inspection schedule identify the types of problems (e.g., malfunctions or deterioration) to look for during the inspection (e.g., inoperative sump pump, leaking fitting, eroding dike, and other such problems)?						
F-2a(2) <u>Frequency of Inspections:</u> OAC 3745-54-15 (B)(4)						
Does the owner/operator specify the frequency of inspection for items on the schedule?						
Is the frequency of inspection based on the rate of possible deterioration of equipment and the probability of an environmental or human health incident if the deterioration, malfunction, or operator error goes undetected between inspections?						
Are areas subject to spills, such as loading and unloading areas, inspected daily when in use?						
Does the inspection schedule identify inspection terms and frequencies for treatment, storage, and disposal of hazardous waste in containers, tanks, surface impoundments, land piles, and incinerators (as called for in OAC rules 3745-55-74, 3745-55-95, 3745-56-26, 3745-56-54, 3745-57-05, 3745-57-47, and 3745-57-92, where applicable)?						

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Does the owner/operator define "weekly" in a manner consistent with existing DHWM guidance? (see 6/4/92 Memo from TAS; DHWM Technical Assistance Compendium)						
F-2a(3) <u>Remedial Action:</u> OAC 3745-54-15 (C)						
Does the owner/operator state that any deterioration or malfunction of equipment or structures revealed by inspections will be remedied in time to prevent an environmental or human health hazard?						
F-2a(4) <u>Inspection Logs:</u> OAC 3745-54-15 (D)						
Does the owner/operator state that all facility inspections will be recorded on a log or summary?						
Does the owner/operator state that these records will be kept at the facility for at least 3 years from the date of the inspection?						
Are example logs or summaries provided that indicate the following items will be recorded: date and time of the inspection, name of the inspector, a notation of observations made, and the date and nature of any repairs or other remedial actions?						
F-2b <u>Specific Process Unit Inspections</u>						
F-2b(1) <u>Container Inspections:</u> OAC 3745-50-44 (A)(5), 3745-55-74						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Does the owner/operator demonstrate that all containers, containment systems, and container storage areas will be inspected weekly for leaks, spills and deterioration caused by corrosion or other factors?						
F-2b(2) <u>Tank System Inspections</u> OAC 3745-50-44 (A)(5), 3745-55-95						
F-2b(2)(a) <u>Tank System Overfilling Control Equipment:</u> OAC 3745-55-95 (A)						
Did the owner/operator develop a schedule and demonstrate that it will be followed for inspecting overfill controls?						
F-2b(2)(b) <u>Tank System External Corrosion and Releases:</u> OAC 3745-55-95 (B)(1)						
Does the owner/operator demonstrate that the above-ground portions of the tank system are inspected at least once each operating day to detect external corrosion or releases of waste?						
F-2b(2)(c) <u>Tank System Monitoring and Leak Detection Equipment:</u> OAC 3745-55-95 (B)(2)						
Does the owner/operator demonstrate that data gathered from monitoring and leak detection equipment (e.g., pressure and temperature gauges monitoring wells), where present, is inspected at least once each operating day to ensure that the tank is operated according to design specifications?						

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F-2b(2)(d) <u>Tank System Construction Materials and Surrounding Area:</u> OAC 3745-55-95 (B)(3)						
Does the owner/operator demonstrate that the construction materials and the area immediately surrounding the externally accessible portion of the tank system, including the secondary containment system (e.g., dikes) are inspected at least once each operating day to detect erosion or signs of releases of hazardous waste (e.g., wet spots, dead vegetation)?						
F-2b(2)(e) <u>Tank System Cathodic Protection:</u> OAC 3745-55-95 (C)						
If cathodic protection systems are present, did the owner/operator demonstrate that he will inspect the following aspects of these systems on the following schedules:						
(1) confirmation of proper operation of the cathodic protection system within six months after installation and at least annually thereafter?, and						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
(2) confirmation that all sources of impressed current are inspected and/or tested, as appropriate, at least bimonthly? Note: The practices described in the "National Association of Corrosion Engineers (NACE)" standard, External corrosion on Metallic Buried, Partially Buried, or Submerged Liquid Storage Systems," and the "American Petroleum Institute (API)" publication 1632, "Cathodic Protection of Underground Petroleum Storage Tanks and Piping Systems," may be used, where applicable, as guidelines in maintaining and inspecting cathodic protection systems.						
F-2b(2)(f) <u>Operating Record:</u> OAC 3745-55-95 (D)						
Did the owner/operator demonstrate that it will document its tank inspections in the facility's operating record?						
F-2b(3) <u>Surface Impoundment Inspections:</u> OAC 3745-50-44 (A)(5), 3745-56-26 (A) & (B)						
F-2b(3)(a) <u>Post-Construction Inspection:</u> OAC 3745-56-26 (A)						
Did the owner/operator demonstrate that the liners and cover systems of the surface impoundment(s) at the facility will be or have been inspected for the following immediately after completing construction or installation:						
(1) synthetic liners and covers are inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters?						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
(2) soil-based and admixed liners and covers are inspected 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?						
F-2b(3)(b) <u>Operational Inspections:</u> OAC 3745-56-26 (B)						
While the surface impoundment(s) are in operation, does the owner/operator demonstrate that they are inspected weekly and after storms for evidence of any of the following conditions:						
(1) deterioration, malfunctions, or improper operation of overtopping control systems;						
(2) sudden drops in the level of each impoundment's contents;						
(3) severe erosion or other signs of deterioration in the dikes or other containment devices?						
F-2b(4) <u>Waste Pile Inspections</u> OAC 3745-50-44 (A)(5); 3745-56-54						
F-2b(4)(a) <u>Post-Construction Inspection:</u> OAC 3745-56-54 (A)						
Did the owner/operator demonstrate that the liners and cover systems of the land pile(s) at the facility will be or have been inspected for the following immediately after completing construction or installation:						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
(1) synthetic liners and covers are inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters?						
(2) soil-based and admixed liners and covers are inspected 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?						
F-2b(4)(b) <u>Operational Inspections:</u> OAC 3745-56-54 (B)						
While the land pile(s) are in operation, does the owner/operator demonstrate that they are inspected weekly and after storms for evidence of any of the following conditions:						
(1) deterioration, malfunctions, or improper operation of run-on and run-off control systems;						
(2) proper functioning of wind dispersal control systems, where present; and						
(3) presence of leachate in and proper functioning of leachate collection and removal systems, where present?						
F-2b(5) <u>Land Treatment Unit Inspections:</u> OAC 3745-50-44 (A)(5), 3745-56-73 (G)						
Does the owner/operator demonstrate that land treatment units will be inspected weekly and after storms to detect evidence of the following conditions:						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
(1) deterioration, malfunctions, or improper operation of run-on and run-off control systems; and						
(2) improper functioning of wind dispersal control measures?						
F-2b(6) <u>Landfill Inspections:</u> OAC 3745-50-44 (A)(5), 3745-57-05						
F-2b(6)(a) <u>Post-Construction Inspection:</u> OAC 3745-57-05 (A)						
Did the owner/operator demonstrate that the liners and cover systems of the landfill at the facility will be or have been inspected for the following immediately after completing construction or installation:						
(1) synthetic liners and covers are inspected to ensure tight seams and joints and the absence of tears, punctures, or blisters?; and						
(2) soil-based and admixed liners and covers are inspected 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?						
F-2b(6)(b) <u>Operational Inspections:</u> OAC 3745-57-05 (B)						
While the landfill is in operation, does the owner/operator demonstrate that it is inspected weekly and after storms for evidence of any of the following conditions:						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
(1) deterioration, malfunctions, or improper operation of run-on and run-off control systems;						
(2) proper functioning of wind dispersal control systems, where present; and						
(3) presence of leachate in and proper functioning of leachate collection and removal systems, where present?						
F-2b(7) <u>Incinerator Inspections</u> OAC 3745-57-47						
F-2b(7)(a) <u>Incinerator and Associated Equipment Inspection:</u> OAC 3745-57-47 (B)						
Does the owner/operator demonstrate that the incinerator and associated equipment (pumps, valves, conveyors, pipes, etc.) are subjected to thorough visual inspections at least daily for leaks, spills, fugitive emissions, and signs of tampering?						
F-2b(7)(b) <u>Incinerator Waste Feed Cut-off System and Associated Alarm Inspections:</u> OAC 3745-57-47 (C)						
Does the owner/operator demonstrate that the emergency waste feed cutoff system and associated alarms are tested at least weekly unless a demonstration has been made that the weekly frequency is unduly restrictive and that less frequent inspections will be adequate? At a minimum, operational testing must be conducted monthly.						
F-2b(7)(c) <u>Operating Record:</u> OAC 3745-57-47 (C)						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Does the owner/operator state that incinerator monitoring and testing data will be recorded in the operating record of the facility?						
F-2b(8) <u>Miscellaneous Unit Inspections:</u> OAC 3745-50-44 (A)(5), 3745-57-92						
Does the owner/operator demonstrate that its inspections of miscellaneous units at the facility comply with requirements of OAC 3745-57-91 and all other applicable inspection requirements?						
F-3 <u>Exemption from or Documentation of Preparedness & Prevention Requirements</u> OAC 3745-50-44 (A)(6), 3745-54-30 to 3745-54-37						
F-3a <u>Justification for Exemption Request:</u> OAC 3745-50-44 (A)(6)						
If the facility is requesting an exemption to any of the preparedness and prevention requirements of OAC 3745-54-30 to 3745-54-37, has it provided adequate justification to support the exemption?						
F-3b <u>Design and Operation of Facility:</u> OAC 3745-54-31						
Is the facility designed, constructed, maintained and operated to minimize the possibility of fire, explosion or any unplanned sudden or non-sudden release of hazardous waste or constituents to air, soil or surface water which could threaten human health or the environment?						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
F-3c <u>Equipment Requirements:</u> OAC 3745-54-32						
If the owner/operator has not requested an exemption to the preparedness and prevention requirements and the owner/operator manages waste that necessitates requiring this equipment, does the owner/operator describe the following emergency equipment present at the facility:						
F-3c(1) <u>Internal Communications:</u> OAC 3745-54-32 (A)						
(1) Internal communications or alarm system used to provide immediate emergency instruction (voice or signal) to facility personnel?						
F-3c(2) <u>External Communications:</u> OAC 3745-54-32 (B)						
(2) A device, such as telephone (immediately available at the scene of operations) or a hand held two-way radio, for summoning emergency assistance from local police departments, fire departments or state or local emergency response teams?						
F-3c(3) <u>Emergency Equipment:</u> OAC 3745-54-32 (C)						
(3) 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?						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
F-3c(4) <u>Water for Fire Control:</u> OAC 3745-54-32 (D)						
(4) Water at adequate volume and pressure to supply water hose streams, foam, producing equipment, automatic sprinklers or water spray systems?						
F-3d <u>Access to Communications or Alarm System:</u> OAC 3745-54-34						
Does the facility demonstrate that all personnel involved in the pouring, mixing, spreading or other handling of hazardous waste will have immediate access to an internal alarm or emergency communication device (unless not required under OAC 3745-54-32)?						
F-3e <u>Aisle Space Requirement:</u> OAC 3745-54-35						
Does the facility demonstrate that it maintains sufficient aisle space to allow the unobstructed movement of personnel, fire protection equipment or spill control equipment to any area of facility operation in an emergency?						
If the facility is requesting a waiver of the aisle space requirements, does the application provide adequate demonstration that aisle space is not needed for any of these purposes?						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
For flammable and combustible liquids, does the application indicate that aisle space of at least 3 feet will be maintained where necessary to provide access to doors, windows, or standpipe connection? (Boca National Fire Prevention Code, 1987 (F-2805.4.2.6.))						
F-3f <u>Arrangements/Agreements with Local Authorities:</u> OAC 3745-54-37						
Does the owner/operator demonstrate it has attempted to make the following arrangements/agreements with local authorities as necessary based on the type of waste handled at the facility and the need for the services of these organizations:						
F-3F(1) <u>Arrangements with Police, Fire Departments and Emergency Response Teams:</u> OAC 3745-54-37 (A)(1)						
(1) Arrangements to familiarize police, fire departments, and emergency response teams with the following aspects of the facility:						
a) Layout of the facility?;						
b) Properties of the hazardous waste handled and associated hazards?;						
c) Places where facility personnel would normally be working?;						
d) Entrances to and roads inside the facility? and;						
c) Possible evacuation routes?						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
F-3f(2) <u>Primary Emergency Authority:</u> OAC 3745-54-37 (A)(2)						
(2) If more than one police or fire department may respond to an emergency at the facility, does the owner/operator document the agreements that designate the primary emergency authority to a specific police or specific fire department, and the agreements of other responders to provide support the primary emergency authority?						
F-3f(3) <u>Arrangements with Ohio EPA</u> OAC 3745-54-37 (A)(3)						
(3) Did the owner/operator specify the arrangements the facility has with Ohio EPA emergency response teams, emergency response contractors, and equipment suppliers?						
F-3f(4) <u>Arrangements with Local Hospitals:</u> OAC 3745-54-37 (A)(4)						
(4) Did the owner/operator specify the arrangements the facility has with local hospitals to familiarize them with the properties of hazardous waste handled at the facility and the types of injuries or illnesses that may result from fires, explosions, or releases at the facility?						
F-3f(5) <u>Documenting Refusals:</u> OAC 3745-54-37 (B)						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
(5) Where authorities have declined to enter into emergency arrangements/agreements has the owner/operator demonstrated that he will document the refusal in the facility operating record?						
F-4 <u>Preventive Procedures, Structures, and Equipment</u> OAC 3745-50-44 (A)(8)						
F-4a <u>Unloading Operations:</u> OAC 3745-50-44(A)(8)(a)						
Does the owner/operator describe the procedures, structures, or equipment used to prevent hazards in unloading operations (e.g., use of ramps or special forklifts)?						
F-4b <u>Run-off:</u> OAC 3745-50-44 (A)(8)(b)						
Does the owner/operator describe the procedures, structures or equipment used to prevent run-off from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding (e.g., berms, dikes, trenches)?						
F-4c <u>Water Supplies:</u> OAC 3745-50-44 (A)(8)(c)						
Does the owner/operator describe the procedures, structures, or equipment used to prevent contamination of water supplies?						
F-4d <u>Equipment and Power Failure:</u> OAC 3745-50-44 (A)(8)(d)						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Does the owner/operator describe the procedures, structures, or equipment used to mitigate the effects of equipment failure and power outage?						
F-4e <u>Personnel Protection Equipment:</u> OAC 3745-50-44 (A)(8)(e)						
Does the owner/operator describe the procedures, structures, or equipment used to prevent undue exposure of personnel to hazardous waste (e.g. protective clothing)?						
F-5 <u>Prevention of Reaction of Ignitable, Reactive and Incompatible Wastes</u>						
F-5a <u>Precautions to Prevent Ignition or Reaction of Ignitable or Reactive Waste:</u> OAC 3745-50-44 (A)(9), 3745-54-17 (A)						
If the facility handles ignitable, reactive, or incompatible wastes, does the owner/operator describe the precautions taken by a facility to prevent actual ignition or reaction of these wastes?						
Do these precautions include separation from sources of ignition such as open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical, or mechanical), spontaneous ignition (e.g., heat-producing chemical reactions), and radiant heat?						
Does the owner/operator demonstrate that while ignitable or reactive waste is being handled, smoking and open flames are confined to specially designated locations?						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Does the facility have "NO SMOKING" signs conspicuously placed wherever a hazard exists from ignitable or reactive waste?						
F-5b <u>General Precautions for Handling Ignitable or Reactive Waste and Mixing of Incompatible Waste:</u> OAC 3745-50-44 (A)(9), 3745-54-17 (B)						
If the facility treats, stores, or disposes of ignitable or reactive waste, or accidentally mixes incompatible waste or incompatible wastes and other materials, does the owner/operator demonstrate he will take precautions to prevent reactions which:						
(1) Generate extreme heat or pressure, fire or explosions, or violent reactions?;						
(2) Produce uncontrolled flammable fumes, dusts, or gases in sufficient quantities to threaten human health or the environment?;						
(3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions?;						
(4) Damage the structural integrity of the device or facility?;						
(5) By similar means threaten human health or the environment?						
F-5c <u>Documenting Compliance with General Requirements for Ignitable, Reactive or Incompatible Waste:</u> OAC 3745-50-44 (A)(9), 3745-54-17 (C)						

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Does the owner/operator demonstrate compliance with the general requirements for ignitable, reactive, or incompatible waste using any of the following documentation:						
(1) References to published scientific or engineering literature?;						
(2) Date from trial tests (e.g. bench scale or pilot scale tests)?;						
(3) Waste analysis (as specified in OAC 3745-54-14)?;						
(4) Results of the treatment of similar wastes by similar treatment processes and under similar operating conditions?						
F-5d <u>Management of Ignitable or Reactive Wastes in Containers:</u> OAC 3745-50-44 (C)(1)(c), 3745-55-76						
Did the owner/operator provide sketches, drawings, or data demonstrating that containers storing ignitable or reactive waste are located at least 15 meters (50 feet) from the facility's property line?						
F-5e <u>Management of Incompatible Wastes in Containers:</u> OAC 3745-50-44 (C)(1)(d), 3745-55-77						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Does the owner/operator describe procedures used at the facility to ensure that incompatible wastes or incompatible wastes and materials (see appendix to OAC 3745-55-99) are not placed in the same containers or in an unwashed containers that previously held incompatible waste unless the facility takes the precautions to prevent the reactions detailed in OAC 3745-54-17 (B)?						
Did the owner/operator provide sketches, drawings, or data demonstrating that storage containers holding hazardous waste that is incompatible with any waste or other materials that are stored nearby in other containers, piles, open tanks, or surface impoundments will be separated from the other incompatible waste or material or protected from them by means of a dike, berm, wall or other device?						
F-5f <u>Management of Ignitable or Reactive Wastes in Tank Systems:</u> OAC 3745-50-44 (C)(2)(j), 3745-55-98						
Did the owner/operator describe the operational procedures used for storing ignitable or reactive wastes in tank systems that includes specific information on at least one of the following:						
(1) how the waste is treated , rendered, or mixed before or immediately after the placement in the tank so that it is no longer considered ignitable or reactive and takes precautions to prevent reactions detailed in OAC 3745-54-17 (B)?; or						

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(2) how the waste is stored or treated in such a way that it is protected from any material or conditions that may cause the waste to react or ignite?; or						
(3) that the tank is used solely for emergencies? Note: If the owner/operator does not meet at least one of the conditions in numbers (1), (2) or (3), then ignitable or reactive waste must not be placed in tank systems.						
Did the owner/operator describe the manner in which ignitable or reactive waste in tanks will be stored or treated to maintain protective distances between the tank(s) and any public ways, streets, alleys, or adjoining property lines than can be built upon as required in Tables 2-1 to 2-6 of the National Fire Protection Association's "Flammable and Combustible Liquids Code (1996)", which is incorporated by reference in rule 3745-50-11 of the Administrative Code?						
F-5g <u>Management of Incompatible Wastes in Tank Systems:</u> OAC 3745-50-44 (C)(2)(j), 3745-55-99						
Did the owner/operator demonstrate that incompatible wastes or incompatible wastes and materials (as detailed in the appendix to this rule) are not stored in the same tank or in an unwashed tank that previously held an incompatible waste or material unless precautions to prevent reactions detailed in OAC 3745-54-17 (B) are taken?						

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F-5h <u>Management of Ignitable or Reactive Wastes in Surface Impoundments:</u> OAC 3745-50-44 (C)(3)(g), 3745-56-29						
Did the owner/operator demonstrate that ignitable or reactive wastes are not placed in the surface impoundment unless all land disposal restriction requirements are met and						
(1) the waste is treated, rendered or mixed before or immediately after placement in the impoundment so that the resulting waste no longer meets the definition of ignitable or reactive waste and precautions are taken to prevent the reactions detailed in OAC 3745-54-17 (B)?; or						
(2) the waste is managed in such a way that protects it from any material or conditions which may cause it to ignite or react?; or						
(3) the surface impoundment is used solely for emergencies? Note: If the owner/operator does not meet at least one of the conditions in numbers (1), (2) or (3), then ignitable or reactive waste must not be placed in surface impoundments.						
F-5i <u>Management of Incompatible Wastes in Surface Impoundments:</u> OAC 3745-50-44 (C)(3)(h), 3745-56-30						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Did the owner/operator demonstrate that incompatible wastes or incompatible wastes and materials (as detailed in the appendix to OAC 3745-55-99) are not placed in the surface impoundment unless precautions to prevent reactions detailed in OAC 3745-54-17 (B) are taken?						
F-5j <u>Management of Ignitable or Reactive Wastes in Waste Piles:</u> OAC 3745-50-44 (C)(4)(f), 3745-56-56						
Did the owner/operator demonstrate that ignitable or reactive wastes are not placed in the waste pile unless all land disposal restrictions are met and:						
(1) addition of the waste to an existing pile results in the waste no longer meeting the definition of ignitable or reactive waste and precautions are taken to prevent the reactions detailed in OAC 3745-54-17 (B)?; or						
(2) the waste is managed in such a way that protects it from any material or conditions which may cause it to ignite or react?						
F-5k <u>Management of Incompatible Wastes in Waste Piles:</u> OAC 3745-50-44 (C)(4)(g), 3745-56-57						
Did the owner/operator demonstrate that incompatible wastes or incompatible wastes and materials (as detailed in the appendix to OAC 3745-55-99) are not placed in the same pile unless precautions to prevent reactions detailed in OAC 3745-54-17 (B) are taken?						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Did the owner/operator demonstrate that a pile of hazardous waste that is incompatible from any waste or material 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?						
Did the owner/operator 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 prevent reactions detailed in OAC 3745-54-17 (B)?						
F-5l <u>Management of Ignitable or Reactive Wastes Placed in Land Treatment Units: OAC 3745-50-44 (C)(5)(g), 3745-56-81</u>						
Did the owner/operator demonstrate that ignitable or reactive wastes are not applied to the treatment zone unless all land disposal restrictions are met and:						
(1) the waste is immediately incorporated into the soil so that the resulting waste or mixture no longer meets the definition of ignitable or reactive waste and precautions are taken to prevent the reactions detailed in OAC 3745-54-17 (B)?; or						
(2) the waste is managed in such a way that protects it from any material or conditions which may cause it to ignite or react?						
F-5m <u>Management of Incompatible Wastes Placed in Land Treatment Units: OAC 3745-50-44 (C)(5)(h), 3745-56-82</u>						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Did the owner/operator demonstrate that incompatible wastes or incompatible wastes and materials (as detailed in the appendix to OAC 3745-55-99) are not placed in the same treatment zone unless precautions to prevent reactions detailed in OAC 3745-54-17(B) are taken?						
F-5n Management of Ignitable or Reactive Wastes <u>Placed in Landfills:</u> OAC 3745-50-44 (C)(7)(f), 3745-57-12						
Did the owner/operator demonstrate that ignitable or reactive wastes are not placed in a landfill unless all land disposal restrictions are met and:						
(1) the resulting waste or mixture no longer meets the definition of ignitable or reactive waste and precautions are taken to prevent the reactions detailed in OAC 3745-54-17 (B)?; or						
(2) ignitable waste in containers to be landfilled are protected from any material or conditions that may cause them to ignite? At a minimum containers must be: non-leaking and carefully handled and placed so as to avoid heat, sparks, rupture; covered daily with soil or other non-combustible material to minimize the potential for ignition, and; must not be disposed in any cells that contain or will contain other wastes which may generate heat sufficient to cause ignition of the waste?						
F-5o Management of Incompatible Wastes Placed in Landfills: OAC 3745-50-44 (C)(7)(g), 3745-57-13						

	YES	NO	NA	Page #	Notes - NOD Comment #	Include on Inspection Checklist?
Did the owner/operator demonstrate that incompatible waste or incompatible wastes and other materials will not be placed in the same landfill cell unless the facility takes the precautions to prevent the reactions detailed in OAC 3745-54-17 (B)?						