

Texas Commission on Environmental Quality

CHECKLIST WORKSHEET

WQ LAND APPLICATION CHECKLIST

Reg Ent Name : _____

Date : _____

Add ID _____

Investigator Name _____

Item No.	Description	Answer	Citations	Notes
1	Is the irrigated area the same area described and listed in the permit?			
2	Are irrigation practices designed and managed to prevent ponding of final effluent or contamination of ground and surface waters?			
3	Are irrigation practices designed and managed to prevent the occurrence of nuisance conditions in the area?			
4	If tailwater control facilities are necessary to prevent the discharge of any treated wastewater from the irrigated land, are sufficient, well-maintained tailwater control facilities available at the irrigation field?			
5	Is treated wastewater applied to the irrigation field only when there are no rainfall events or when the ground is not frozen or saturated?			
6	Is treated wastewater applied to the irrigation field at or below the permitted application rate?			
7	Has the permittee provided equipment which measures application rates and maintains accurate records of the volume of final effluent applied to the irrigation field?			
8	Does the permittee maintain records of the application rates for three years?			
9	Do the holding ponds conform to the "Design Criteria for Sewerage Systems" requirements for stabilization ponds with regard to construction and levee design?			
10	Do the holding ponds have a minimum of 2 feet of freeboard at the time of the investigation?			
11	Are the holding ponds well maintained with regard to erosion control?			
12	Are the holding ponds well maintained with regard to weed and tree control?			
13	Are annual soil samples being collected and analyzed each year?			
14	Is each soil boring separated into three samples according to the following depth zones: 0 to 6 inches, 6 to 18 inches, and 18 to 30 inches below the ground surface?			
15	Are the soil samples analyzed for pH, total nitrogen, potassium, phosphorus and conductivity?			

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WQ LAND APPLICATION CHECKLIST (Cont)

16	Are the results of the soil samples submitted to the TCEQ Regional Office and to the Water Quality Compliance Monitoring Team of the Enforcement Division during September of each year?			
17	Does the permittee maintain a long-term contract with the owner of the land application site which is authorized for use in the permit, or own the land authorized for land application of treated effluent?			
18	If rechlorination of the final effluent, prior to entering the irrigation system, is required in the permit, then, does the permittee maintain a trace chlorine residual in the final effluent at the point of irrigation application?			
19	Does the permittee have an adequate number of signs erected stating the irrigation water is from a non-potable water supply?			
20	Do the non-potable water supply signs consist of a red slash superimposed over the international symbol of drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish?			
21	Is all piping transporting the final effluent clearly marked with non-potable water supply signs?			
22	Are spray fixtures for the irrigation system of such design that they cannot be operated by unauthorized personnel?			
23	Is final effluent only applied to the land application site when the area is not in use?			
24	Are permanent transmission lines installed from the holding pond to each tract of land to be irrigated utilizing final effluent from that pond?			
25	Are the holding ponds for the retention of treated or untreated wastewater adequately lined to control seepage?			
26	Does the permittee comply with the requirements of 30 TAC Section 309.13 (a) - (e)?		309.13(c)(1) 309.13(e)(1)	
27	Has the permittee prevented cross-connection with a potable water supply system?		309.20(b)(5)(B)(iii)	
28	Is the cover crop of the irrigation field harvested a minimum of once per year?		309.20(b)(5)(D)	
29	Were there any other violations noted? If yes, list below:			
30	Item one:			
31	Item two:			
32	Item three:			
33	Item four:			
34	Item five:			

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