

OVERLAND FLOWS CHECKLIST

Permit # MO-_____ Facility_____ Date_____

1. What is design flow _____ MGD; _____ peak MGD
2. What is actual flow _____ MGD; _____ peak MGD
3. Types of previous treatment: _____
4. Number of terraces: ____ Slope of terrace(s) _____
5. What is the area of each terrace (l x w): _____
6. What is the hydraulic loading rate? _____
7. Is storage capacity sufficient for periods of freezing, rain, and crop tilling, planting, and harvesting? Yes ____; No ____ How many days storage: ____
8. Are there excessive insect populations in the vicinity? Yes ____; No ____
9. Odor: septic ____; musty ____; earthy ____; none ____; other _____
10. Are applications alternated with drying periods? Yes ____; No ____
If yes, how long is the application period ____ hrs; drying period ____ hrs
11. Distribution device used to apply wastewater: sprinkler ____; weirs ____; distribution pipe ____; other _____
12. Is application distributed evenly across terrace? Yes ____; No ____
13. Type(s) of vegetation used: _____
14. Are undesirable weeds controlled? Yes ____; No ____
15. Are flood irrigation levees maintained? Yes ____; No ____
16. Where is excess runoff flow diverted? Permitted outfall ____; recycled back to storage basin ____; other _____
17. Is farming done by: facility staff ____; contracted ____; both ____
18. What crops are grown (alfalfa, corn, etc.)? _____
19. Are crops rotated periodically? Yes ____; No ____
20. Are soils tested to check nutrient balances? Yes ____; No ____
21. Is fertilizer added? Yes ____ No ____ If yes, what type: _____
22. What are the following parameters before and after land application: pH _____, _____; BOD _____, _____; TSS _____, _____; N _____, _____; P _____, _____
23. Does facility maintain adequate spare parts inventory? Yes ____; No ____
24. What is the frequency of scheduled maintenance? _____
25. Are maintenance records maintained? Yes ____; No ____
26. General housekeeping of units: Good ____; Fair ____; Poor ____
27. What is the general condition of equipment: G ____; F ____; P ____
28. What are the most common problems the Operator has had with the overland flow system? _____

Comments: _____

