Iowa Department of Natural Resources
Wastewater Section
Construction Permit Application
SCHEDULE K1, Controlled Discharge Pond

DNR USE ONLY
Project No.

Permit No.

Date Prepared	Project Identity
Date Revised	

1. Design Basis   AWW-180   PHWW

    Flow, MGD _____   _____

    BOD$_5$, #/day _____   _____

2. Number of soil borings taken _____   Data included in the _____

    High groundwater elevation (MSL) _____

3. Top of dike elevation (MSL) _____ ft.   100 year flood elevation (MSL) _____ ft.

4.

Pond Data	Cell No. 1	Cell No. 2	Cell No. 3	Cell No. 4	Total
Surface area at maximum depth (A)					
Loading (#BOD5/acre/day)					
Maximum operation depth (ft)					
Minimum operation depth (ft)					
Effective storage volume (MG)					
Effective detention time (days)					
Freeboard at maximum depth (ft)					
Top width of dike (ft)					
Inner embankment slope (H/V)					
Outer embankment slope (H/V)					
Inlet depression diameter (ft)					
Middle drawoff level (ft)					
Bottom drawoff level (ft)					

5. Method of raw flow diversion to cells _____

    Are the locations of piping and structures given on Schedule H1?   ☐ Yes ☐ No

6. Method of interconnection of cells _____

7. Provision to prevent drawoff of floating solids _____

8. Method of sampling _____

9. Type of flow measurement   Influent _____   Effluent _____

10. Fence height _____   Number of strands of barbed wire   Top _____   Bottom _____

11. Number of warning signs _____   Location _____

12. Will pond be pre-filled to two-ft. level?   ☐ Yes ☐ No

13. Maximum allowable leakage rate _____ in/day

    Method of testing leakage rate _____

14. Are specifications included for: a. Seeding   ☐ Yes ☐ No
                                         b. Soil sterilization   ☐ Yes ☐ No
                                         c. Pond bottom uniformity   ☐ Yes ☐ No
                                         d. Pond sealing   ☐ Yes ☐ No
                                         e. Erosion protection   ☐ Yes ☐ No

15. Is service bypass provided? ☐ Yes ☐ No   Discharge to _____