



Iowa Department of Natural Resources  
 Wastewater Section  
 Construction Permit Application  
**SCHEDULE L, Settling Tanks**

DNR USE ONLY  
 Project No. \_\_\_\_\_  
 Permit No. \_\_\_\_\_

Date Prepared _____	Project Identity
Date Revised _____	

1. Design Basis	Primary Tank		Intermediate Tank		Final Tank	
	New	Existing	New	Existing	New	Existing
Number of Units						
Dimensions (ft.)						
SWD (ft.)						
Freeboard (in.)						
Effective Capacity (gal)						
Surface Area (ft <sup>2</sup> )						
Weir Length (ft.)						
Type of Weir						
Are Weirs Adjustable?						
Sludge	Removal Method					
	Location of Discharge					
Scum	Removal Method					
	Location of Discharge					
Service Bypass	Provided					
	Discharge					

2. Hydraulic and Solids Loadings	Primary Tank		Intermediate Tank		Final Tank	
	AWW	PHWW	AWW	PHWW	AWW	PHWW
Total Flow (MGD)						
Detention Time (hr.)						
SSR (gal/day/ft <sup>2</sup> )						
WOR (gal/day/ft)						
Max. Solids Loading Rate including full RAS capacity (lbs/day/ft <sup>2</sup> )						

3. Do inlets have provisions for adequate flow distribution?  Yes  No
4. Are unit drains provided?  Yes  No Discharge to \_\_\_\_\_

5. Sludge Pumps	Pump No.	Location	Sludge Volume (GDP)	Capacity (GPM)	TDH (ft.)		Force Main Diameter
					Rated	Computed	
	1						
	2						
	3						
	4						