

IOWA DEPARTMENT OF NATURAL RESOURCES WATER SUPPLY ENGINEERING SECTION

CONSTRUCTION PERMIT APPLICATION

SCHEDULE-9, Clarification- Sedimentation

Date I	Prepared Project	ct Name/Description	1			
Date I	Revised					
1.	Design Data:					
	Presedimentation and Sedimentation Type of Unit Capacity (gpm)		Unit #	Unit #	Unit #	
	Volume (gallons)					
	Length (feet)					
	Width (feet)					
	Depth (feet)					
	Detention Time (hours) Overflow Rate (gpm/ft²)					
	Sedimentation	11/112)				
		ag Pata (gnd/ft)				
	Outlet Weir Loadin					
	Mixing and Flocculation	, · · · ·				
	Type of Unit) i i				
	Volume (gallons)					
	Detention Time (ho	ours)				
	Flocculator Flow-Thro	· · · · · · · · · · · · · · · · · · ·				
2.	For the following, reference the page of the plans or specifications where the description can be found.					
	G,		d Construction Details	Page Number		
	Presedimenta					
	Rapid Mix					
	Flocculation					
		Sedimentation	on			
3.	Are mechanical sludge collectors provided?					
4.						
_	What is the minimum air gap provided between any drain outlet and the receiving sump? inches					
5. 6.	Have provisions been made to control the maximum water level? Are sedimentation, mixing, or flocculation basins located outside of a building? Yes No					
0.	If yes, do they have covers that meet the criteria for ground storage reservoirs? Yes No					
	Spec. Page No.					
7.	What provisions are b	eing taken to contro	ol short-circuiting and inle	t and outlet velocities	·5.	
-					pec. Page No.	
8.	What precautions are	being taken to prev	ent clogging of sludge wit	•		
	D:	Aladaaaaa ladaaaa	to also a		pec. Page No.	
9.	Diameter of sludge wi	· · · · · · · · · · · · · · · · · · ·	inches		Spec. Page No.	☐ Yes ☐ No
10.	Are cleanouts provide	u at all changes in u	lirection of the sludge pipi	_	igr Spec. Page No.	res No
11.	Are all valves located outside of the tanks? Yes No					
12.	What is the minimum air gap provided between any sludge outlet and the receiving sump? inches					
13.	Can the operator observe and sample sludge?					
	If sludge lines, collectors or basins are provided with potable water flushing systems, are cross connection control devices					
14.	provided which meet	AWWA standard C5	06 and are approved by the	ne USC Testing Lab?	Yes No	N/A

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