

## IOWA DEPARTMENT OF NATURAL RESOURCES WATER SUPPLY ENGINEERING SECTION CONSTRUCTION PERMIT APPLICATION

SCHEDULE-9, Clarification-Sedimentation

Date Prepared		Project Name/Des	cription				
Date Revised							
1. Design Data:							
		ion and Sedimentat	ion Unit #	Unit #	Unit #		
	Type of Uni	t					
	Capacity (g	pm)					
	Volume (ga	llons)					
	Length (fee	-					
	Width (feet						
	Depth (feet						
	Detention Time (hours) Overflow Rate (gpm/ft <sup>2</sup> )						
	Sedimentation		(6.)				
		Loading Rate (gpd/	ft)				
		gh Velocity (fpm)					
	Mixing and Flo						
	Type of Uni						
	Volume (ga	lions) Time (hours)					
		· · ·	(fnm)				
2.	Flocculator Flow-Through Velocity (fpm)   For the following, reference the page of the plans or specifications where the description can be found.						
۷.		Materials and Construction Details Page Number					
			dimentation	Fage Nulliber			
	Rapid Mix						
			ulation				
			nentation				
3.	Are mechanica	Are mechanical sludge collectors provided? Yes No					
01		hat is the side slope of the hopper bottom? Spec. Page No.					
4.	Has a drain been provided for each unit? Yes No						
	What is the mi	/hat is the minimum air gap provided between any drain outlet and the receiving sump? inches					
5.		provisions been made to control the maximum water level?					
6.		Are sedimentation, mixing, or flocculation basins located outside of a building? I Yes No					
	If yes, do they	have covers that me	et the criteria for ground stor	-	Yes No		
7	What provision	a ara haing takan t	control chart circuiting and i		Spec. Page No.		
7.	what provision	is are being taken to	o control short-circuiting and i		Spec. Page No.		
8. What precautions are being taken to prevent clogging of sludge withdrawal piping?							
0.	What precoutin		to prevent clobbling of studge		Spec. Page No.		
9.	Diameter of slu	udge withdrawal pip	es: inches		Spec. Page No.		
10.			ges in direction of the sludge p			🗌 Yes 🗌 No	
				:	Spec. Page No.		
11.		ocated outside of th				_	
12.			ded between any sludge outle	-	-	inches	
13.		or observe and sam			Spec. Page No.		
1.4		f sludge lines, collectors or basins are provided with potable water flushing systems, are cross connection control devices					
14.	provided which meet AWWA standard C506 and are approved by the USC Testing Lab? 🗌 Yes 🗌 No 🗌 N/A						