PRR	Iowa Department of Natural Resources Wastewater Section Construction Permit Application SCHEDULE N, Rotating Biological Contactor				DNR USE ONLY Project No. Permit No.
Date Prepared	Project Identity				
Date Revised					
1. Design Loadings: (v	vaste entering RBC unit operations)	ADW	AWW	MWW	PHWW
D · T	Flow, MGD				
Design Temp:					-
	TSS, mg/l				-
NH₃-N, mg/l					
Is the industrial BOD ₅ load less than 10% of the total BOD ₅ ? \Box Yes \Box No					
2. RBC unit operation follows: and precedes:					
		nes:			
		ADW	AWW	MWW	
	<u>Carbonaceous Removal</u> ent soluble BOD, mg/l	ADVV	AVVVV		
Soluble BOD when nitrif. Begins, mg/l					_
Hydraulic loading rate, gpd/ft ²					_
Temperature correction factor					
Adjusted hydraulic loading rate, gpd/ft ²					
Required surface area, ft ²					
For N ₃ -N Conversion					
Influent NH ₃ -N, mg/l					
Effluent NH ₃ -N, mg/l					
Hydraulic loading rate, gpd/ft ²					
Temperature correction factor					
Adjusted hydraulic loading rate, gpd/ft ²					
Required surface area, ft ²					
Efflu	ent BOD ₅ , mg/l				_
4. Media arrangemen	t- Conventional Me	edia High	Density Media	Total	
-	ace area, ft ²		,		
Num	ber of stages/shaft				-
Num	ber of shafts/row				-
Num	ber of rows				_
5. General Informatio	n:				
Wastewater flow proceeds: 🗌 Parallel or 🗌 Perpendicular to the shaft?					
Measures taken to prevent solids deposition on tank bottom:					
Type of shaft driving device: Shaft speed:					RPM
Type of enclosure provided:					
Condensation and corrosion protection provided:					
Method of ventilation:					
Method of shaft removal:					
Method of bearing replacement:					
Are unit drains provided? Yes No Discharge to:					
Is service bypass provided? Yes No Discharge to:					