विदि	

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

SCHEDULE-11, Ion Exchange

Date	Prepa	ared	Project Name/Description							
Date	Revis	ed								
Dute										
1. Design Data:										
	2.00	Softener								
				-				_ 7		
		Unit Nun		Unit #		Unit #	Unit #	_		
		Capacity						_		
				ns (inches)				_		
			g Pressure (psi)							
			g Rate (gpm/ft <sup>2</sup> )					_		
			h Rate (gpm/ft <sup>2</sup> ) of backwash (minutes)					_		
		Resin	of backwash (minutes)							
		Technica	l Namo					-		
			e Capacity					-		
			eneration (lb. NaCl/ft <sup>3</sup> )					_		
			of Resin ( $ft^3$ )					_		
		-	Resin (ft)					_		
2.	Pro	1i	llowing salt storage information:							
2.			lbs;	davs						
			elow ground:							
		ype of stru								
3.			ing, reference the page of the plan	is or specif	ications wh	ere the description of	can be found.			
			Naterials and Construction Details							
			rine Distribution			0				
			Cross Connection Control							
			bypass							
			ampling Taps							
			rine and Salt Storage							
			alt Storage Housing							
4.	Нο		air gap is provided between the ba	ckwash wa	ater outlet	& the receiving sump	)?	inches		
		ec. Page No				0 1				
5.			regeneration controls provided?	ΠY	es 🗌 No		Spec. Page No.			
			egeneration procedure:	_	_					
6.	Car	an all automatically controlled switches and valves be manually operated?						o 🗌		
7.	ls s	alinity testi	ng equipment provided?	Spec. Page No.						
8.	Are	valve oper	rators located within five feet of the operating floor?  Yes No Spec. Page No.							
9.	Are drains provided for each salt storage structure and brine tank?									
	How large an air gap is provided between the drain outlet and the receiving sump? inches									
10.	Are	all gauges	placed so as to be easily read from	n the norm	nal operatin	g floor? 🛛 🗌 Yes	🗌 No			
							Spec. Page No.			