



**IOWA DEPARTMENT OF NATURAL RESOURCES**  
**WATER SUPPLY ENGINEERING SECTION**  
**CONSTRUCTION PERMIT APPLICATION**  
 SCHEDULE-16a, Wastewater General

Date Prepared _____	Project Name/Description _____
Date Revised _____	

1. Water Source: \_\_\_\_\_
2. Type of Water Treatment Plant: \_\_\_\_\_
3. Calcium removed: \_\_\_\_\_ mg/L
4. Magnesium removed: \_\_\_\_\_ mg/L
5. If the concentration of any primary drinking water parameter is reduced in the water treatment plant, list the parameter and the average raw and treated water concentration of the parameter:  N/A

Parameter	Raw Water Concentration	Treated Water Concentration

6. Wastewater volume:

(specify)	Gallons of Liquid			Pounds of Solids	
TOTAL					

7. Chemical Characteristics of Sludge Based on Treatment Process:

Chemical Constituent	% of Total Solids

8. Will the backwash water be recirculated through the treatment plant?  Yes  No

If yes, what is the rate of recycle? \_\_\_\_\_ gpm

9. Is a backwash water storage or equalization basin provided?  Yes  No

If yes, what is the storage volume? \_\_\_\_\_ gallons

10. Final Sludge Disposal:

What is the last sludge treatment process prior to disposal? \_\_\_\_\_

Percent of solids in sludge: \_\_\_\_\_ %

Method of handling sludge: \_\_\_\_\_

Available equipment: \_\_\_\_\_

Disposal site: \_\_\_\_\_

Volume and frequency of disposal: \_\_\_\_\_