



Iowa Department of Natural Resources  
Wastewater Section  
Construction Permit Application  
**SCHEDULE Q, Sludge Digestion & Holding**

DNR USE ONLY
Project No. _____
Permit No. _____

Date Prepared _____	Project Identity
Date Revised _____	

1. Design Data: First Stage \_\_\_\_\_ Second Stage \_\_\_\_\_ Holding \_\_\_\_\_

Parameter	Unit 1	Unit 2	Unit 3
Specify whether new or existing			
Type of Process (anaerobic or aerobic)			
Air Provided (CFM)			
Dimension:     Diameter x H			
L x W x H			
Effective Capacity (ft <sup>3</sup> )			
Effective Capacity (ft <sup>3</sup> /cap.)			
Sludge Feed Volume (GPD)			
Sludge Feed Conc. (% solids by Wt.)			
Detention Time (Days)			
Type of Cover			
Type of Heating Facilities			
Type of Mixing Facilities			
Unvalved Overflow Provided to			
Supernatant Discharged to			
Number of Drawoff Levels			
Method of Drawoff			
Gas Utilization Equipment			
Safety Equipment Provided			

2. Method of maintaining gas under pressure \_\_\_\_\_

3. Safety Facilities:
- a. Pressure and vacuum relief valve \_\_\_\_\_
  - b. Flame traps \_\_\_\_\_
  - c. Automatic safety shut-off valves \_\_\_\_\_

4. Sludge Pumps

Pump No.	Location	Sludge Volume (GPD)	Capacity (GPM)	TDH (ft)		Force Main Diameter
				Rated	Computed	
1						
2						
3						
4						