



IOWA DEPARTMENT OF NATURAL RESOURCES  
 WATER SUPPLY ENGINEERING SECTION  
**CONSTRUCTION PERMIT APPLICATION**  
 SCHEDULE-14, Pumping Station

Date Prepared _____	Project Name/Description _____
Date Revised _____	

1. Identify the location and purpose of the pumping station:  
\_\_\_\_\_
2. Above or below grade station: \_\_\_\_\_  
 100 year flood elevation: \_\_\_\_\_ Site Elevation: \_\_\_\_\_  
 Method of surface drainage control: \_\_\_\_\_  
 Site protection from vandalism: \_\_\_\_\_

3. Design Data:

Pump Number	Pump #	Pump #	Pump #
Type of Pump			
Design Capacity (gpm) at TDH (ft)			
Efficiency of Pump at Design Capacity			
Motor Horsepower and Efficiency			
Type of Standby Power			

4. Safety Equipment:
  - a. Inlet low pressure cutoff pressure: \_\_\_\_\_
  - b. Discharge high level cutoff pressure: \_\_\_\_\_
  - c. Suction line compound gauge range: \_\_\_\_\_ psig to \_\_\_\_\_ psig
  - d. Discharge line pressure gauge range: \_\_\_\_\_ psig to \_\_\_\_\_ psig

5. Type of check valve provided for each pump: \_\_\_\_\_

6. Briefly explain the type and location of valves installed to allow pump isolation for repairs:  
 \_\_\_\_\_

7. Type and range of flow totalizing meter: \_\_\_\_\_ Spec. Page No.: \_\_\_\_\_

8. For the following, reference the page of the plans or specifications where the description can be found:

Materials and Construction Details	Plan or Specification Page Number	Materials and Construction Details	Plan or Specification Page Number
Suction Well		Heating	
Pump Lubrication		Ventilating	
Pump Priming		Dehumidification	
Piping		Lighting	
Door Locks		Crane or Hoist	
Sanitary Facilities			

9. Is a service bypass provided?  Yes  No If yes, describe: \_\_\_\_\_
10. What is the slope of the pump station floor to facilitate drainage? \_\_\_\_\_
11. Floor drainage to:  sump pump  floor drain  
 What type of sump pump or floor drain discharge is provided and where is the ultimate disposal location?  
 \_\_\_\_\_