

HANDOUT: Maintenance Schedule: Sprinkler (3 pages)
Skill Builder: Entry Forms, Tables & Lists

IN THE WORKPLACE: Scheduling maintenance means that machinery is less likely to break down. Following and accurately verifying information in workplace forms such as maintenance schedules is a common task across trades. For example, to make sure that sprinkler systems are reliable, plumbers must perform periodic inspection and maintenance of all system components.

Read the **Sprinkler Maintenance Schedule** to complete the tasks and locate answers to the questions. Write the answers in the space provided or **highlight** the information in the form.

1. Which tasks need to be performed 4 times a year?

2. How often should dry trip tests be performed?

3. How often should wet trip tests be performed?

4. What sprinkler tests relate to water flow?

5. How often should alarms be inspected?

6. What types of valves need to be inspected?

7. Assuming the year starts January 1, complete the calendar to show when the following tasks need to be performed during February. Enter the corresponding letter (A, B, etc.) on the day you would schedule the maintenance

- A. Check water level in tanks
- B. Start fire pumps
- C. Check air pressure
- D. Inspect and test controllers
- E. Inspect valves for open position.

February

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

8. Assuming the year starts January 1, what additional tasks would have to be completed in March?

Summary of Inspection and Test Frequencies for Sprinkler Systems.

	Weekly	Monthly	Quarterly	Annually	Every 3 years
Check general condition of sprinklers and sprinkler system				X	
Conduct flow tests of open sprinklers				X	
Conduct main drain tests			X		
Test water flow alarms		X			
Check air and water pressure in dry pipe systems	X				
Trip test dry pipe valves				X	
Drain low points in dry pipe systems				X	
Trip test deluge and pre-action systems				X	X ¹
Trip test high-speed suppression systems					X
Check general condition of standpipe systems			X		
Perform water flow tests				X	
Check general condition of hydrants				X	
Check general condition of fire department connections				X	
Check water levels in tanks	X				
Check general condition of water storage tanks				X	
Check water level and air pressure in pressure tanks	X				
Check general condition of pressure tanks				X	
Check tank heating systems				X	
Inspect and test cathodic protection equipment				X	
Start fire pumps	X				
Check fuel supply to engine drivers	X				
Perform fire pump flow tests				X	
Inspect and test controllers				X	
Inspect valves for open position		X			
Conduct general preventive maintenance inspection of valves				X	
Inspect check valves, water flow meters, and backflow preventers					X ¹
Test pressure regulating and altitude valves				X	
1- Annual trip test may be dry: wet trip test including flow of water through heads/nozzles shall be conducted a minimum of once every 3 years.					

Bow Valley College. (2020). Sprinkler Maintenance Schedule. [Entry Form]. Calgary, Canada: Author