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## **Standard Operating Guidelines**

**SOG NO.:** KP-2-0020

**SOG TITLE:** SPRINKLER SYSTEM OPERATIONS

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**Purpose:** To establish procedures and guidelines for operations at buildings equipped with automatic sprinkler systems.

**Procedure:**

1. In the event of an alarm/fire at a protected property, the first arriving officer shall make a determination as to whether the sprinkler system has been activated or not.
2. Once it has been determined that there is sprinkler activation the cause of the activation shall be determined:
  - a. malfunction of system
  - b. sprinkler pipe rupture
  - c. activation by fire
  - d. sabotage of system
3. If a fire is verified, the first in engine and first in ladder shall report to the front of the building for evacuation, fire suppression, or any other task deemed necessary by the Officer in Charge (OIC).

4. If situations permit, the OIC can direct the first in engine to connect to the sprinkler connection. Unless ordered to do otherwise the second in engine shall report to the exterior sprinkler connection and hook up to the connection with a minimum 3" line to support the system.
5. The next in engine shall report to the closest available hydrant and prepare to support the engine at the sprinkler connection with a 5" supply line.
6. When pumping into the sprinkler connection pump pressure shall be no less than 140 PSI and no greater than 150 PSI.
7. If available, an officer with a radio shall check the integrity and operation of the sprinkler system to insure proper operation. If no officer is available a senior firefighter should be assigned this task.
8. No sprinkler system shall be shut down or otherwise disabled without the authorization of the Operations Officer and the OIC.
9. For fires in protected residential properties, there is no exterior sprinkler connection. With this in mind, initial operations should proceed with the assumption that the sprinkler **has not activated**. Operations shall continue in this mode until sprinkler activation has been verified.