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CALLAWAY PLANT  
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FIRE RESPONSE PROCEDURE FOR CALLAWAY PLANT

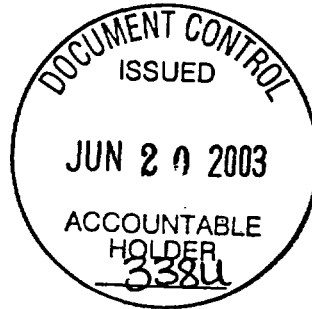
RESPONSIBLE DEPARTMENT PROTECTIVE SERVICES

PROCEDURE OWNER K. J. BRUCKERHOFF

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This procedure contains the following:

Pages	<u>1</u>	through	<u>9</u>
Attachments	<u>1</u>	through	<u>3</u>
Tables	<u>          </u>	through	<u>          </u>
Figures	<u>          </u>	through	<u>          </u>
Appendices	<u>1</u>	through	<u>1</u>
Checkoff Lists	<u>          </u>	through	<u>          </u>

This procedure has            checkoff list(s) maintained in the mainframe computer.

Conversion of commitments to TRS reference/hidden text completed by Revision Number:

Non-T/S Commitments 004

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FIRE RESPONSE PROCEDURE FOR CALLAWAY PLANT

1 PURPOSE AND SCOPE

1.1 PURPOSE

Establishes the proper actions and duties of plant personnel upon discovery of a fire.

2 PROCEDURE

2.1 PERSONNEL ACTIONS UPON DISCOVERY OF A FIRE

<p><u>NOTE:</u> The SS/OS should initiate Attachment 1, Shift Supervisor Flow Chart for Fire Response immediately upon report of a fire.</p>
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2.1.1 Reporting (FSAR 9.5.1.9)

Upon discovery of a fire by plant personnel, the following actions **SHALL** be taken:

2.1.1.1 Contact the Control Room and perform the following actions:

- Report the exact location of the fire, including building, elevation and room number or name if known.
- State the nature and size of fire.
- State your name.
- Report any injuries associated with the fire.
- Advise the Control Room if an attempt will be made to extinguish the fire with an extinguisher.
- Answer any Control Room questions and receive and acknowledge and control Room directives.

2.1.1.2 After supplying the Control Room with the above information wait until the Control Room breaks contact or hangs up.

2.2 **ACTIVATING THE FIRE BRIGADE**

- 2.2.1 Control Room personnel **SHALL** implement actions in Attachment 1, Shift Supervisor Flowchart for Fire Response. (FSAR 9.5.1.9)

<p><b><u>NOTE:</u></b> If the fire is immediately extinguished, callout of the Fire Brigade may not be necessary. However, the flow charts in Attachment 1 should be reviewed for applicability.</p>
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2.3 **FIRE BRIGADE**  
(FSAR 9.5.1.9, FSAR 9.5.1.12, and FSAR 9.5.1.13)

2.3.1 **FIRE BRIGADE LEADER**

The Fire Brigade Leader, upon hearing the plant fire or emergency alarm and announcement of the emergency location **SHALL** perform the actions as listed in Attachment 2, Fire Brigade Leader Flowchart for Fire Response.

2.3.2 **Assistant Fire Brigade Leader**

- 2.3.2.1 The Assistant Fire Brigade Leader, upon hearing the fire or emergency alarm and announcement of the emergency location **SHALL** perform the following actions.

2.3.2.1.1 Assemble at the designated area.

2.3.2.1.2 Assume the role of Incident Commander if the Fire Brigade Leader fails to arrive or is incapacitated.

2.3.2.1.3 Implement the Fire Brigade Leaders tactical directions.

2.3.3 **Assigned Fire Brigade Members**

- 2.3.3.1 The remaining Fire Brigade members upon hearing the fire or emergency alarm and announcement of the emergency location **SHALL** perform the following actions.

2.3.3.1.1 Assemble at the designated area.

2.3.3.1.2 Implement the Fire Brigade Leader's tactical directions.

#### 2.3.4 Unassigned Fire Brigade Personnel

2.3.4.1 After hearing the plant fire or emergency alarm and dispatch of the Fire Brigade, Operations Department personnel who are on shift, relief, or overtime and not assigned to the Fire Brigade should proceed to the designated assembly area unless directed otherwise by the Control Room Supervisor or Fire Brigade Leader.

2.3.4.2 These personnel shall assist the Fire Brigade by filling roles delegated by the Fire Brigade leader, such as Safety Officer, Communications, hose handlers, etc.

2.3.4.3 Other Operations Department Fire Brigade personnel who are in training should listen to follow-up plant announcements and respond, if additional support is requested.

#### 2.4 SUPPORT PERSONNEL

##### 2.4.1 Health Physics (HP)

2.4.1.1 When a fire is reported with the potential for radiological contamination, a HP Technician should perform actions as instructed in HTP-ZZ-05006, Fire Involving Radioactive Material or entry into the RCA.

2.4.1.2 Personnel should perform duties and advise the Fire Brigade Leader on radiological hazards associated with the fire and fire fighting efforts.

2.4.1.3 Personnel should coordinate with on-duty Health Physics supervision to ensure that sufficient quantities of SCBA bottles are available.

##### 2.4.2 MERT Leader

2.4.2.1 The MERT Leader should respond to Fire Brigade evolutions upon receipt of the plant announcement to standby and assist the Fire Brigade Leader with any medical problems.

**CAUTION:** If actions taken to protect personnel, such as evacuation, will result in non-compliance with the Security Plan, a one hour notification to the NRC may be required per 10CFR73, Appendix G Section I(c). Consider invoking 10CFR50.54(x) and (y), which authorize reasonable actions that depart from license conditions or technical specifications that are taken in an emergency to protect public health and safety.  
**CARS 200101800**

- 2.4.3 **Security Force (FSAR 9.5.1.9)**
- 2.4.3.1 Upon hearing the plant fire alarm, a Shift Security Supervisor or Shift Security Assistant Supervisor should, if possible, report to the fire scene to assist the Fire Brigade Leader.
- 2.4.3.2 Personnel from the Security Force **SHALL** aid Fire Brigade members in gaining access to the fire location, if requested.
- 2.4.3.3 Personnel from the Security Force should provide transportation of Fire Brigade and support personnel to the fire scene, as needed.
- 2.4.3.4 If requested by the Fire Brigade Leader, available Security personnel should bring additional fire fighting equipment (such as hose, nozzles, spare air bottles, etc.) to the Command Post.
- 2.4.3.5 Personnel from the Security Force should establish and control a staging area for off-site fire department vehicles and personnel. The initial responding personnel should be met at staging areas identified on 8600-X-88100.
- 2.4.3.6 Personnel should notify the Incident Commander when requested off-site fire department personnel have arrived on-site.
- 2.4.3.7 Security personnel should escort the senior off-site fire department officer to the Command Post.
- 2.4.3.8 Security personnel should escort the other off-site fire department personnel as directed by the Incident Commander.
- 2.4.3.9 Security Force personnel **MUST** advise the Incident Commander that a fire or explosion of suspicious or unknown origin within the isolation zone, protected or vital area is reportable.

2.4.4 Chemistry Technicians

2.4.4.1 When a fire or emergency is reported with the potential for involvement with confined spaces, or hazardous atmosphere and as requested by the Incident Command through the Control Room, the Chemistry Technician should report to the Command Post and check in with the Incident Commander.

2.4.4.2 Personnel should perform those duties, such as atmospheric hazard sampling as requested by the Incident Commander and provide technical support regarding the chemical incident.

2.4.5 Safety Supervisor

2.4.5.1 When a fire or emergency is reported and, as available, the Safety Supervisor should report to the Command Post and check in with the Incident Commander.

2.4.5.2 The Safety Supervisor should perform an over-site inspection of the emergency scene and confer with the Incident Commander on effective safety practices and/or concerns.

2.4.5.3 The Safety Supervisor should assist the Incident Commander in establishing effective safety practices and/or mitigating safety problems as the emergency conditions warrant.

2.4.6 Site Nurse

2.4.6.1 When a fire is reported and, as available, the Site Nurse should report to the Command Post and check in with the Incident Commander.

2.4.6.2 The Site Nurse should stand by to assist with medical problems or Fire Brigade rehabilitation.

2.4.7 Engineering Duty Supervisor/Technical Assessment Coordinator

2.4.7.1 Provide engineering resources as needed to address fire and recovery from the event.

2.4.8 Fire Protection Engineer

2.4.8.1 When a fire is reported and, as available, the plant Fire Protection Engineer, or his backup, should report to the Command Post and check in with the Incident Commander.



- 2.4.8.2 The plant Fire Protection Engineer, or his backup, should stand by to assist the Incident Commander with fire protection system concerns or problems.
- 2.4.8.3 Report fires on the NEIL Fire Incident Data Base.
- 2.4.9 Fire Marshall
- 2.4.9.1 When a fire is reported and, as available the Fire Marshall should report to the Command Post and check in with the Incident Commander.
- 2.4.9.2 The Fire Marshall should standby to assist the Incident Commander with tactical decisions, fire cause determination, etc.
- 2.4.9.3 The Fire Marshall is approval authority for Appendix 1, Fire Brigade Mobile Equipment Storage Locations and Towing Information.
- 2.4.10 Others
- 2.4.10.1 When a fire is reported and as requested by the Incident Commander through the Control Room, other support personnel should proceed to the Command Post and check in with the Incident Commander.
- 2.4.10.2 They should perform those duties as requested by the Incident Commander.

2.4.11 Off-Site Fire Department Personnel

2.4.11.1 To request off-site fire department assistance, perform the following:

2.4.11.1.1 Call the Callaway County EOC in accordance with OOA-QF-00001 and request fire fighting support for a fire at Callaway Plant. EOC personnel will notify the appropriate departments.

2.4.11.1.2 Equipment and personnel should be staged at the site established on 8600-X-88100 or as directed by Security. Security should direct all arriving off-site assistance to the staging area.

2.4.11.1.3 The senior off-site fire department officer should proceed to the Command Post and check in with the Incident Commander.

2.4.11.1.4 Off-site fire fighters are required to use their own department's SCBA equipment. Replacement SCBA bottles, if needed, will be provided by the plant, provided they are compatible.

3 INFREQUENT ACTION

3.1 SUPPORTING OFF-SITE FIRE DEPARTMENTS

3.1.1 Water can be supplied to off-site fire departments if they are responding to an actual fire emergency.

3.1.1.1 The Control Room **MUST** be notified by Security personnel that water will be taken in support of a local fire emergency.

3.1.1.2 Water should be obtained from the hydrant (S-KC1-0005C) across from the Training Center.

NOTE:

The Control Room has the authority to deny access to the plant fire water system for reasons such as the system being out of service or the system being in service in response to an in-plant emergency.

3.1.1.3 The Control Room should be notified when there is no further need for water from the plant fire water system.

3.1.2 Equipment can be loaned to South Callaway Fire Department.

- 3.1.2.1 South Callaway Fire Protection District will make the request to use the foam trailer or back-up trailer to the Control Room. USEP 03-0032

**NOTE:** The Control Room can deny access to the equipment for reasons that would jeopardize fire suppression capability at the Plant (i.e., the fire truck with foam and hose supplies is offsite for repair).

- 3.1.2.2 Callaway Plant Security or Operations will move the trailer outside to the staging area for South Callaway Fire Protection District pick-up.
- 3.1.2.3 South Callaway Fire Protection District will maintain their insurance that presently covers loaned equipment.
- 3.1.2.4 South Callaway Fire Protection District personnel will be trained in the use of the foam trailer and equipment on backup trailer.
- 3.1.2.5 As soon as possible after use, the trailer will be returned to Callaway Plant. Any equipment problems should be reported to the Control Room.

3.2 CALLOUT OF ADDITIONAL FIRE BRIGADE MEMBERS

- 3.2.1 Additional Fire Brigade members will be called out using the Emergency Telephone Directory.

4 RECORDS

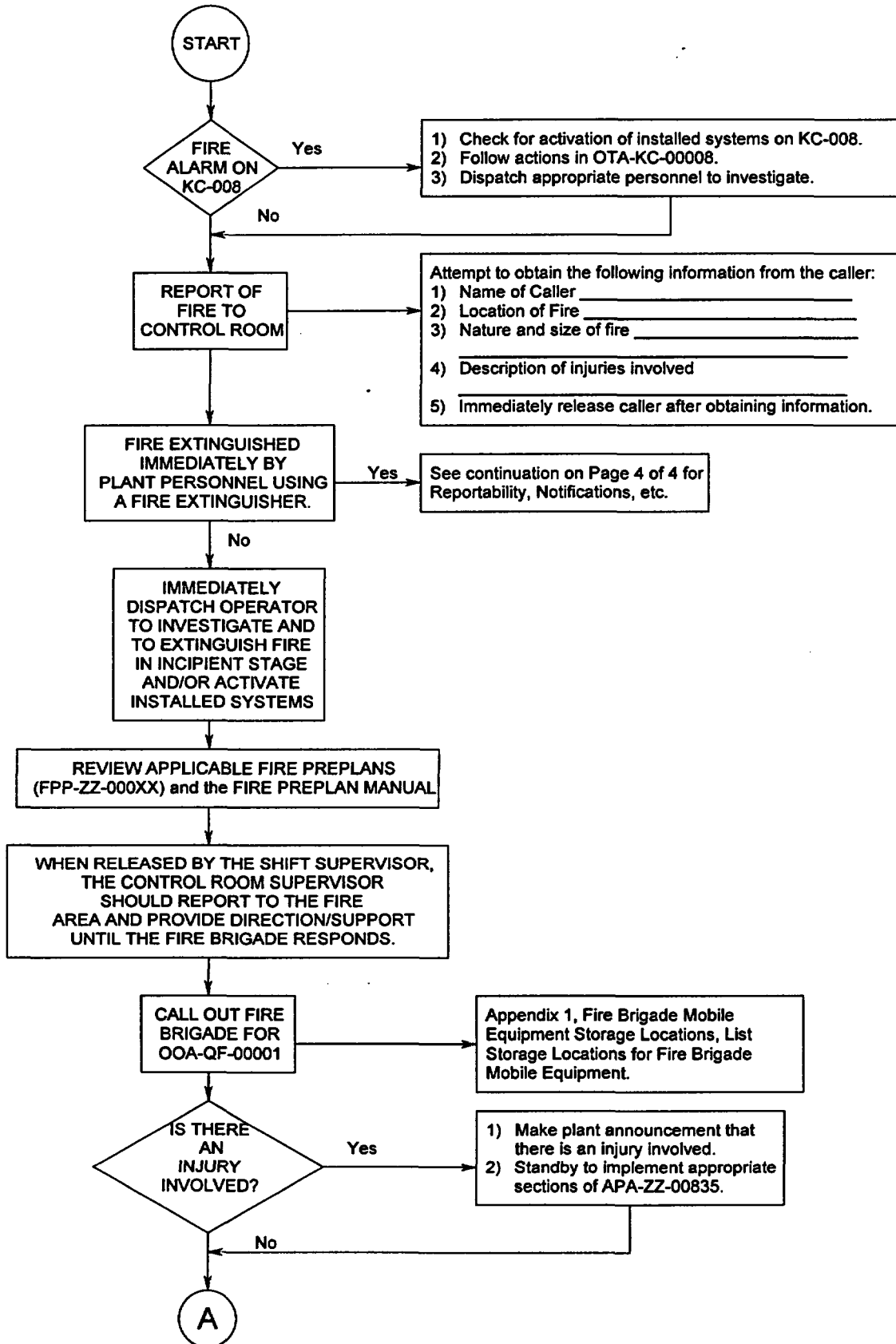
- 4.1 The closed CARS and supporting documentation, (File No. Z170.0007).

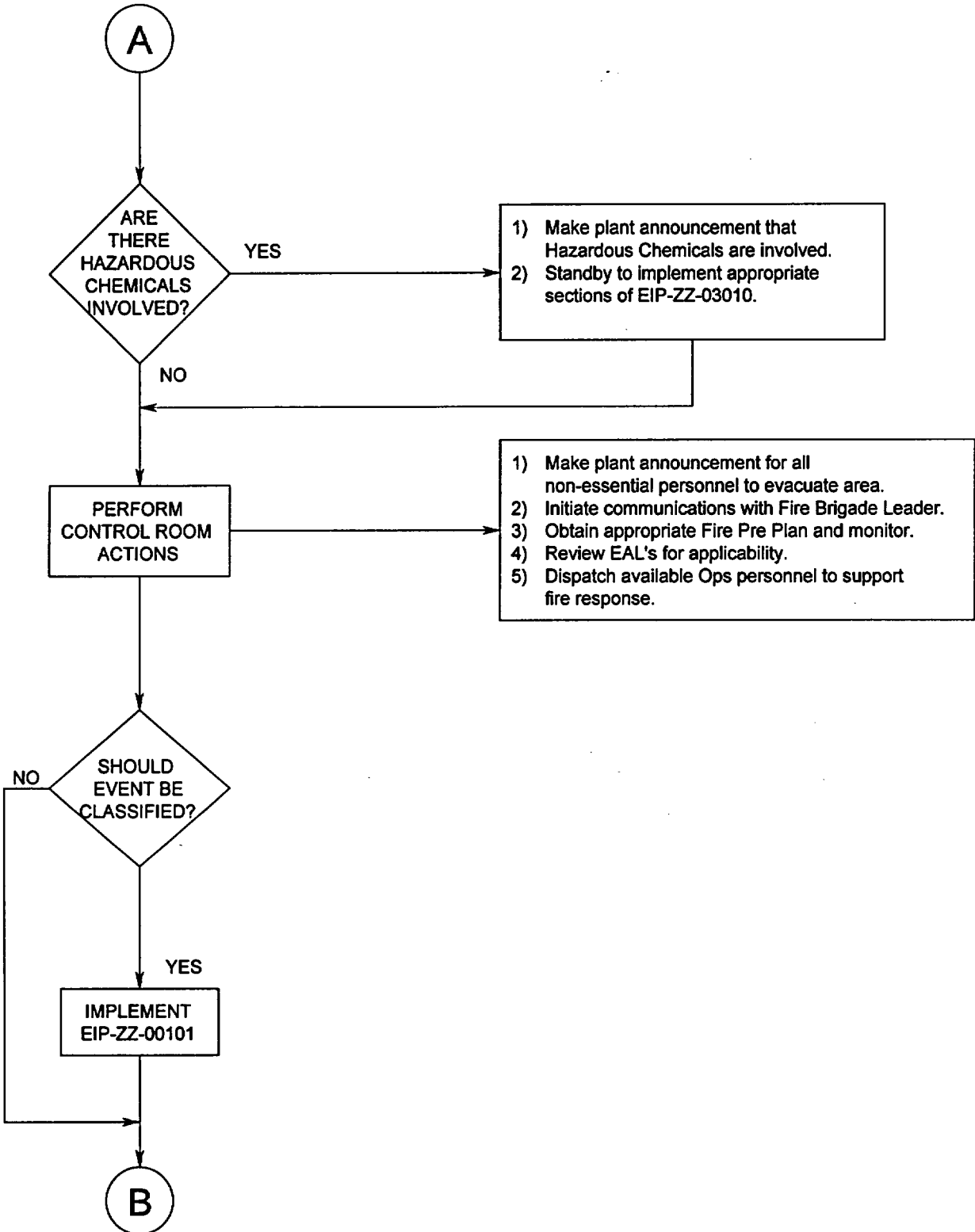
5 REFERENCES

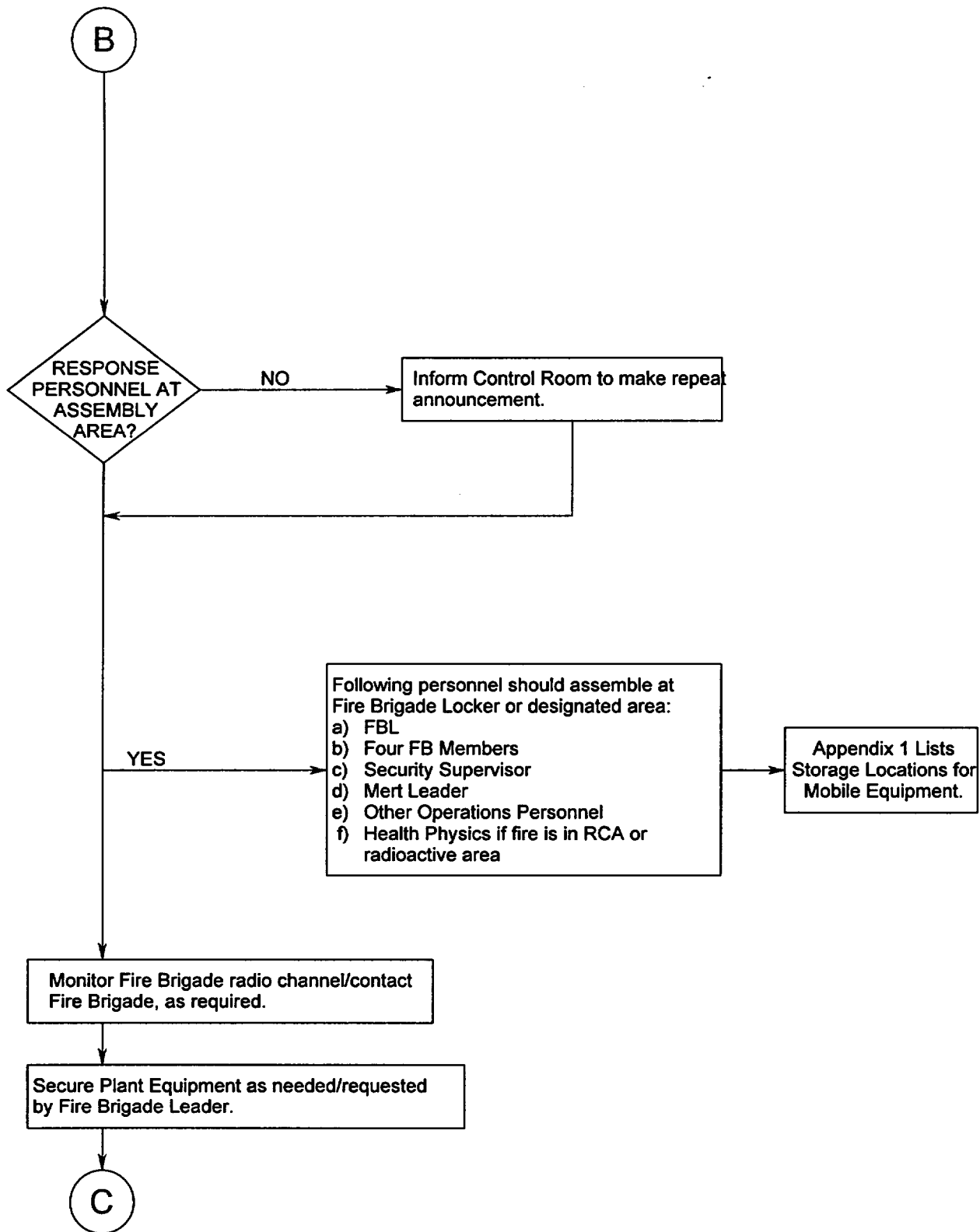
- 5.1 HTP-ZZ-05006, Fire Involving Radioactive Materials or Entry Into the RCA
- 5.2 OOA-QF-00001, Emergency Communications
- 5.3 Callaway Plant FSAR 9.5.1, Site Addendum, Section 9.5.1, Appendix 9.5-A, and Appendix 9.5-B.

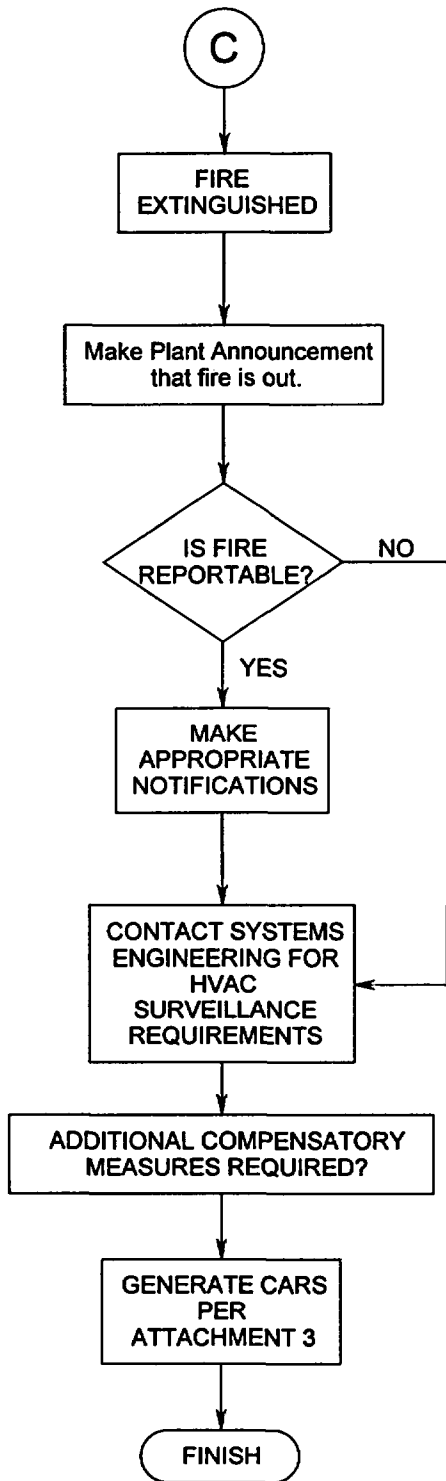
- 5.4 **APA-ZZ-00835, Reporting and of Accidents, Injuries, and Illnesses.**
- 5.5 **FPP-ZZ-00009, Fire Protection Program.**

**SHIFT SUPERVISOR FLOWCHART FOR FIRE RESPONSE**



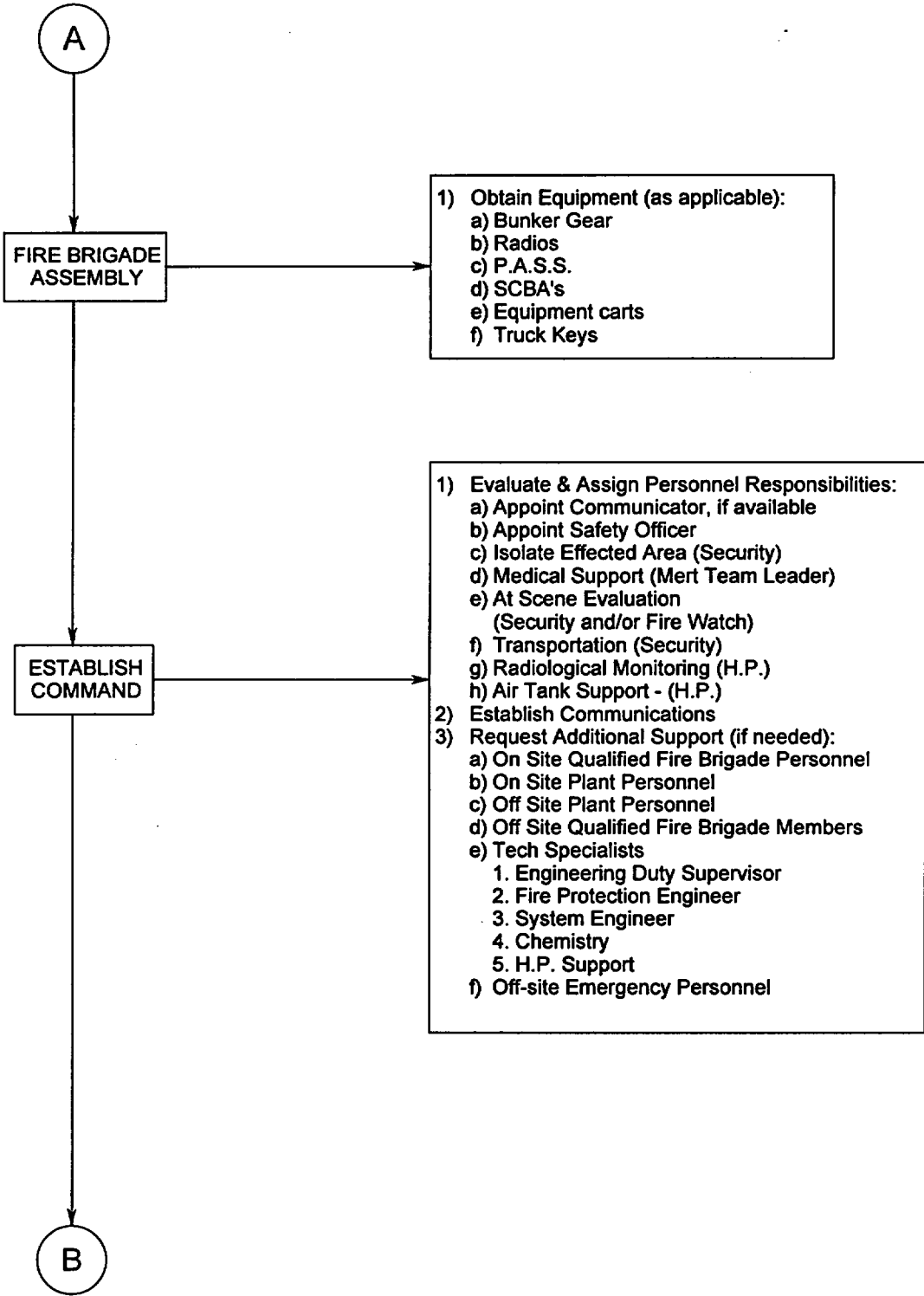


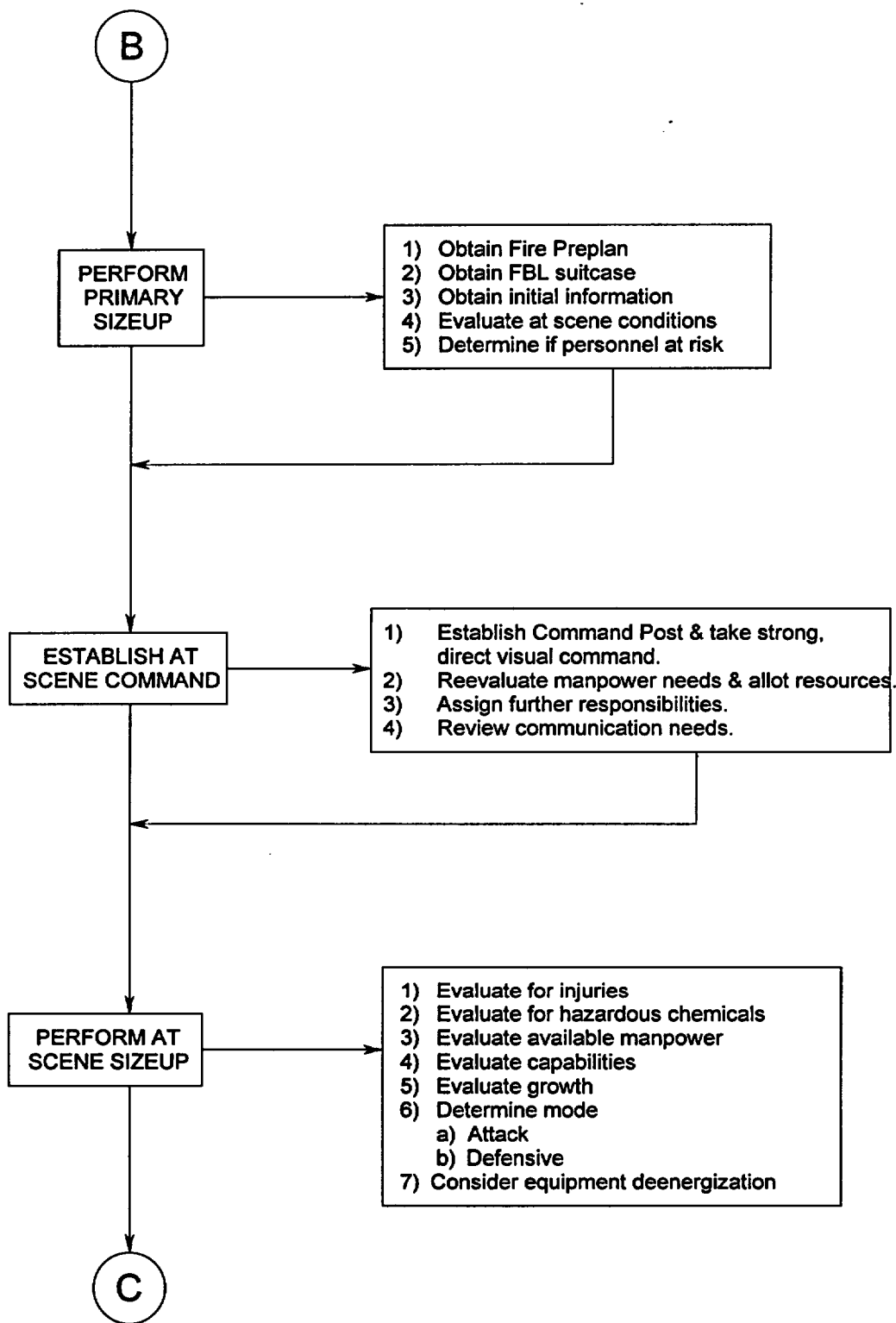


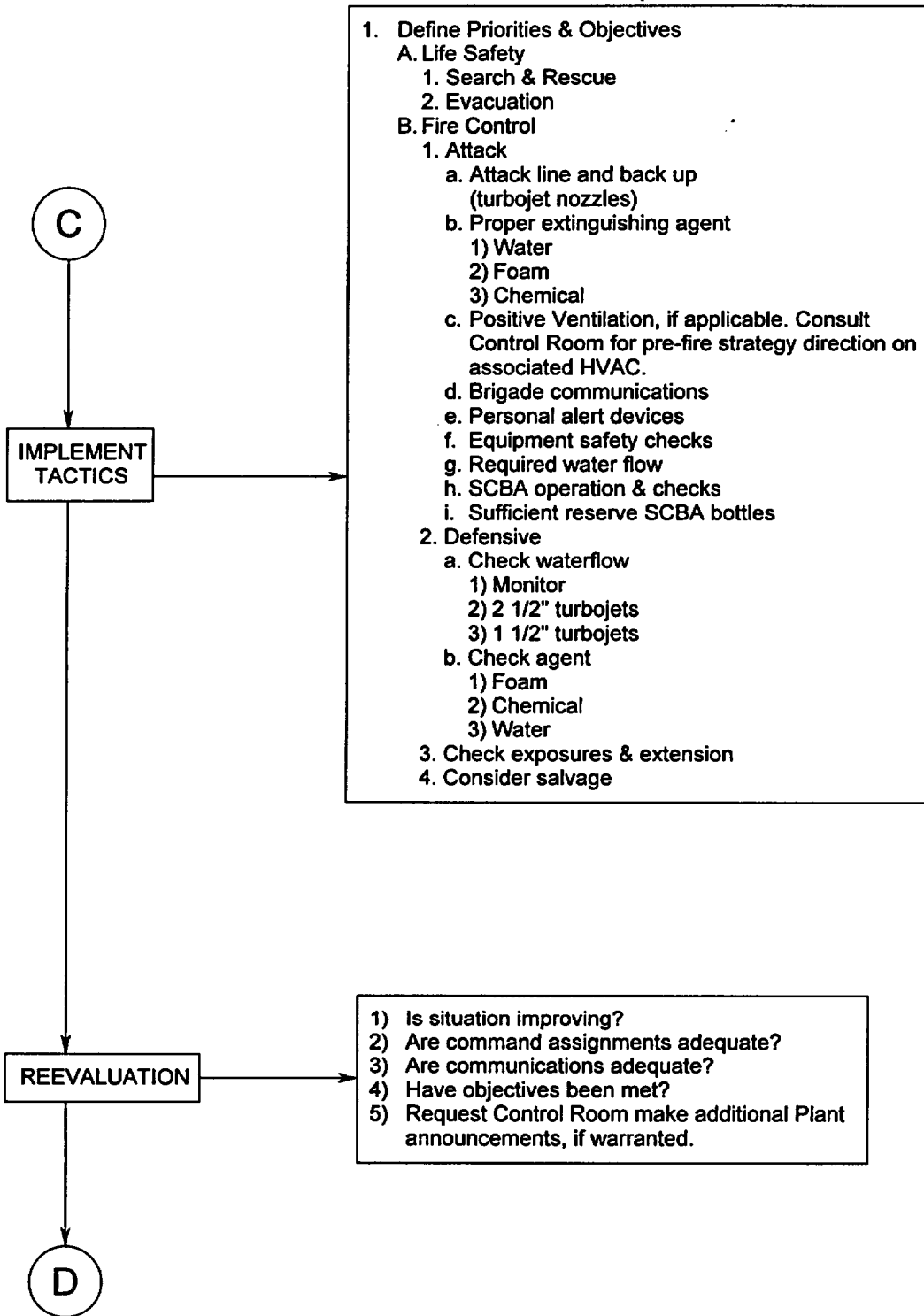


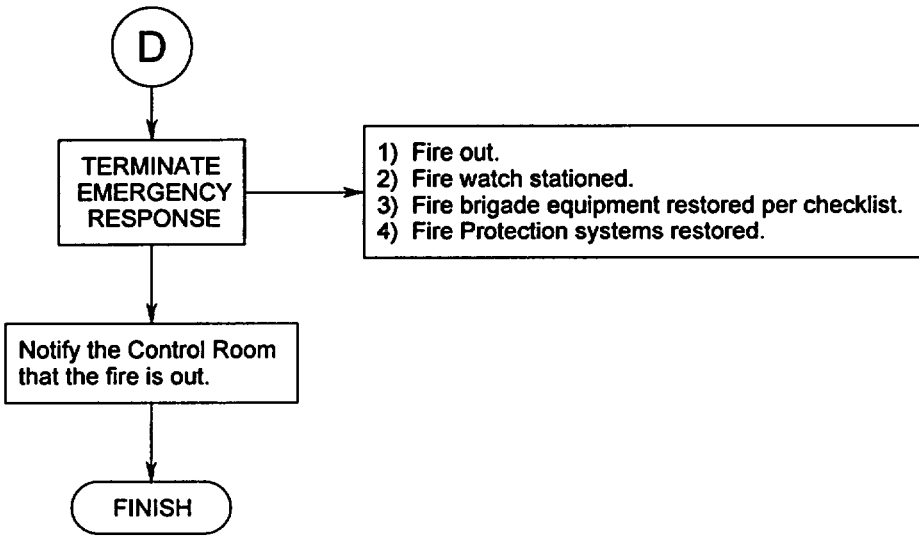


**FIRE BRIGADE LEADER FLOWCHART FOR FIRE RESPONSE**









**FIRE BRIGADE INCIDENT CORRECTIVE ACTION REQUEST (CARS)**

At a minimum, the following information should be included in the CARS generated for the Fire Brigade Incident. Other information as required by procedure applicable to the generation of a CARS should also be included.

1. Date and time of incident.
2. Shift crew members responding.
3. A list of all plant personnel, including Fire Brigade members, involved in the event with position titles or duties assigned.
4. Location of event.
5. How was Control Room notified?
6. Any injuries involved?
7. Description of incident and sequence of events.
8. How event was mitigated.
9. Installed systems that activated and how (manually or automatically).
10. Fire suppression equipment used during event.
11. Off-site emergency services responding and type of assistance they provided.
12. Root cause of the event, if known.
13. Damage incurred to facilities and/or equipment.
14. Was System Engineering contacted for an evaluation of HVAC surveillance requirements following a fire or other event?
15. Any additional information.
16. Attach, as applicable, any of the following:
  - A) Log sheets
  - B) KC008 alarm printout
  - C) Copy of injury report (Form 70)
  - D) ERT minutes
  - E) List of post-event surveillances
17. Use the word "Fire" as key word entry.