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CALLAWAY PLANT
EMERGENCY PLAN IMPLEMENTING PROCEDURE
EIP-ZZ-00226
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>8</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 4

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FIRE RESPONSE PROCEDURE FOR CALLAWAY PLANT

1 PURPOSE AND SCOPE

1.1 PURPOSE

This procedure establishes the proper actions and duties of all plant personnel upon discovery of a fire and the methods for handling a fire at the Callaway Plant.

1.2 SCOPE

1.2.1 Establishes the responsibilities and actions of plant personnel when confronted with a fire at the Callaway Plant.

1.2.2 Establishes the process for obtaining support from off-site fire departments and off-duty Fire Brigade members.

2 PROCEDURE

This section describes the actions to be taken by plant personnel, Fire Brigade members, and Fire Brigade support personnel in the event of a fire at the Callaway Plant.

2.1 PERSONNEL ACTIONS UPON DISCOVERY OF A FIRE

CAUTION: The presence of a fire should be reported to the Control Room prior to taking any action to extinguish the fire. Attempts by untrained individuals to extinguish any fire should be limited to the safe use of fire extinguishers.

NOTE: The SS/OS should initiate Attachment 1, Shift Supervisor/Fire Brigade Leader Flow Chart for Fire Response immediately upon report of a fire.

2.1.1 Reporting (FSAR 9.5.1.9)

Upon discovery of a fire by plant personnel, the following actions **SHALL** be taken (Attachment 2, Actions of Plant Personnel upon Discovery of a Fire):

2.1.1.1 Upon contacting Control Room, personnel calmly report the following:

- 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.

2.1.1.2 After supplying the Control Room with the above information, the employee should answer any questions the Control Room may have and 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. (FSAR 9.5.1.9)

<p><i><u>NOTE:</u></i> 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 1 of this procedure.

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 actions as listed in Attachment 1 of this procedure.

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

- 2.3.2.3 Implement the Fire Brigade Leaders tactical directions.

2.3.3 Remaining 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 actions as listed in Attachment 1 of this procedure.

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 not assigned to the Fire Brigade should proceed to the Control Room or as directed by the Control Room Supervisor.

- 2.3.4.2 Other Fire Brigade personnel who are on duty and not involved in emergency duties 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.
- 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.
- 3.1.2 The Control Room **MUST** be notified by Security personnel that water will be taken in support of a local fire emergency.
- 3.1.3 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.

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

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

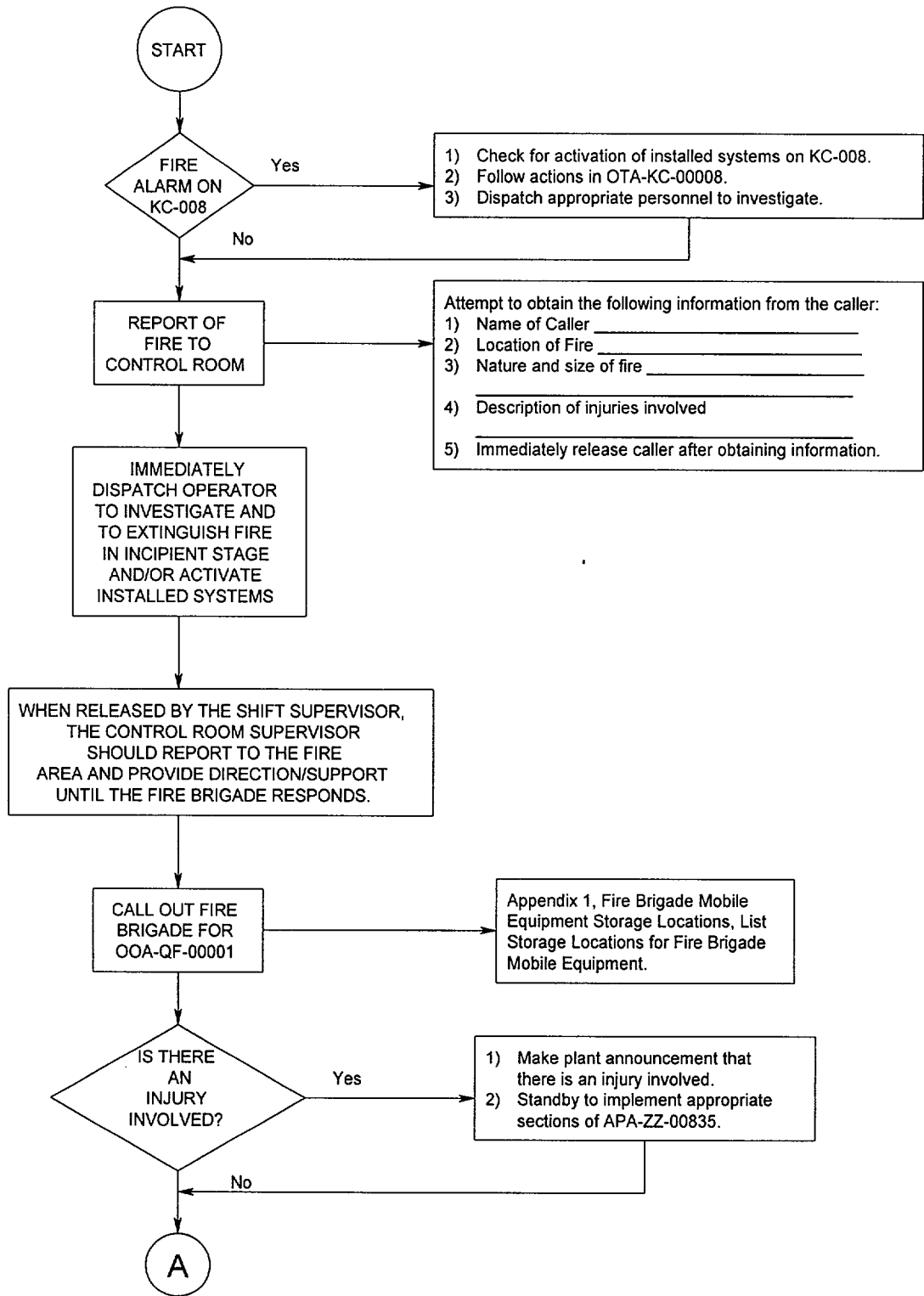
5.1 **HTP-ZZ-05006**, Fire Involving Radioactive Materials or Entry Into the RCA

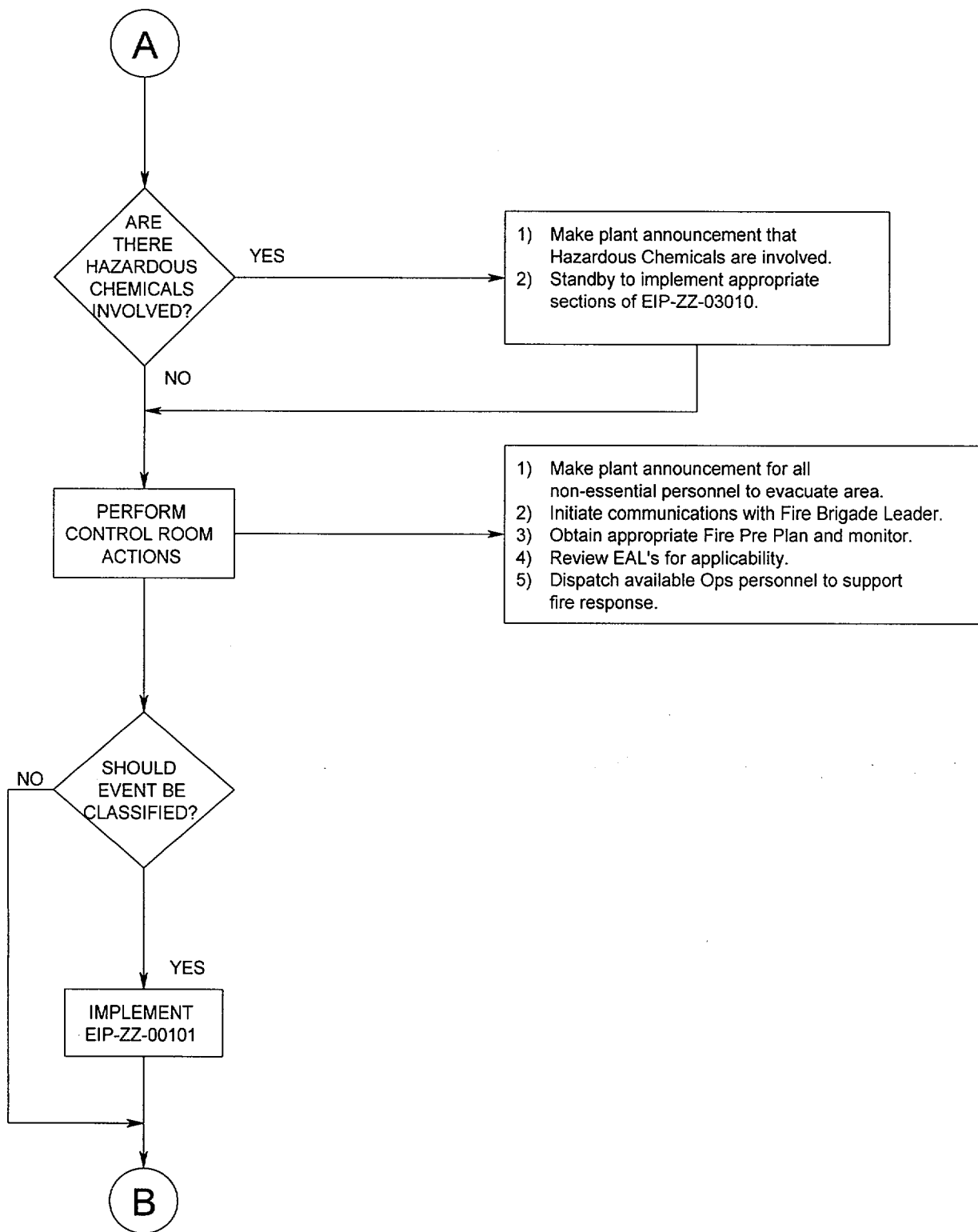
5.2 **OOA-QF-00001**, Emergency Communications

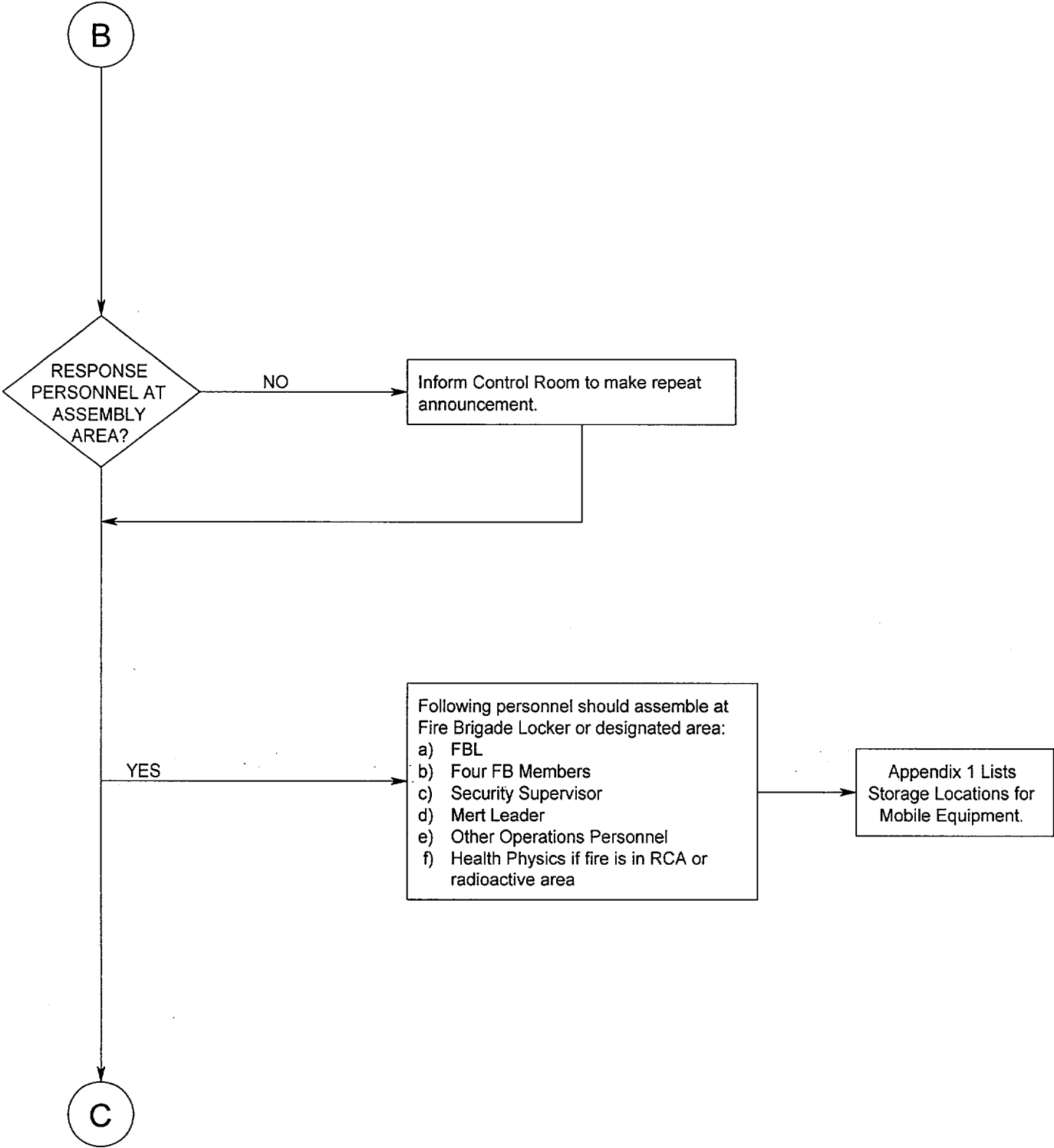
5.3 Callaway Plant **FSAR 9.5.1**, Site Addendum, Section 9.5.1, Appendix 9.5-A, and Appendix 9.5-B.

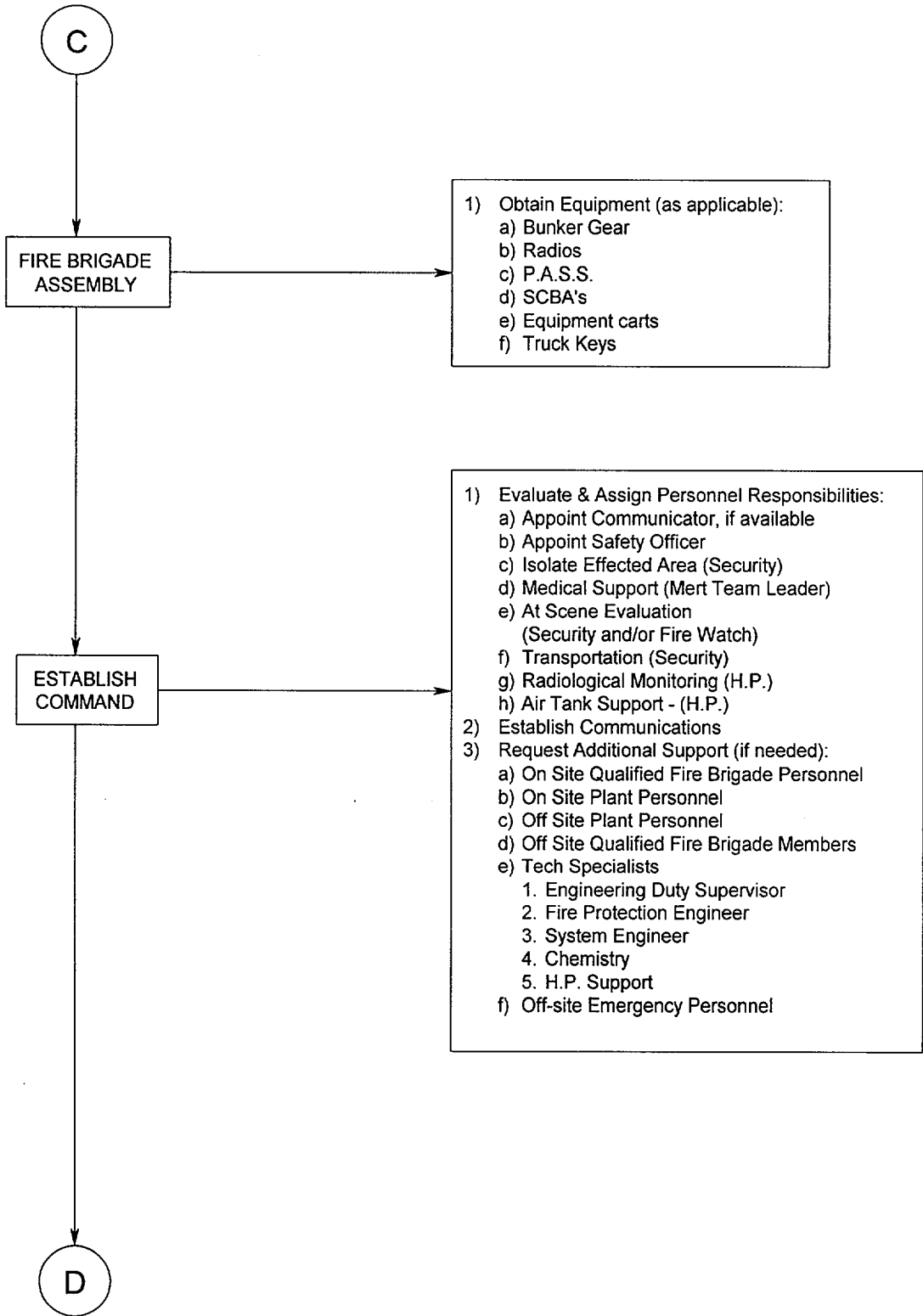
5.4 **APA-ZZ-00835**, Reporting and of Accidents, Injuries, and illnesses.

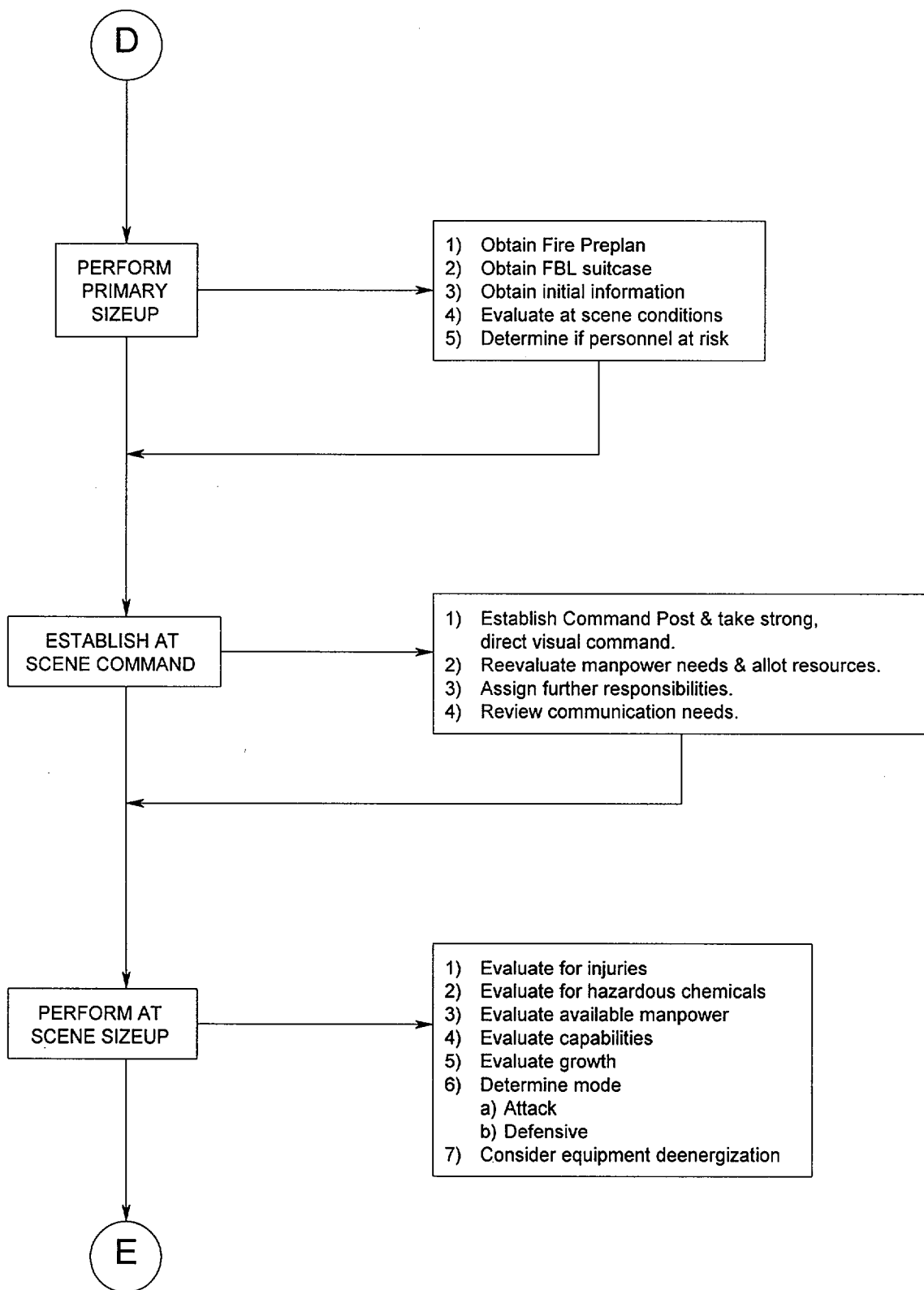
SHIFT SUPERVISOR/FIRE BRIGADE LEADER FLOWCHART FOR FIRE RESPONSE

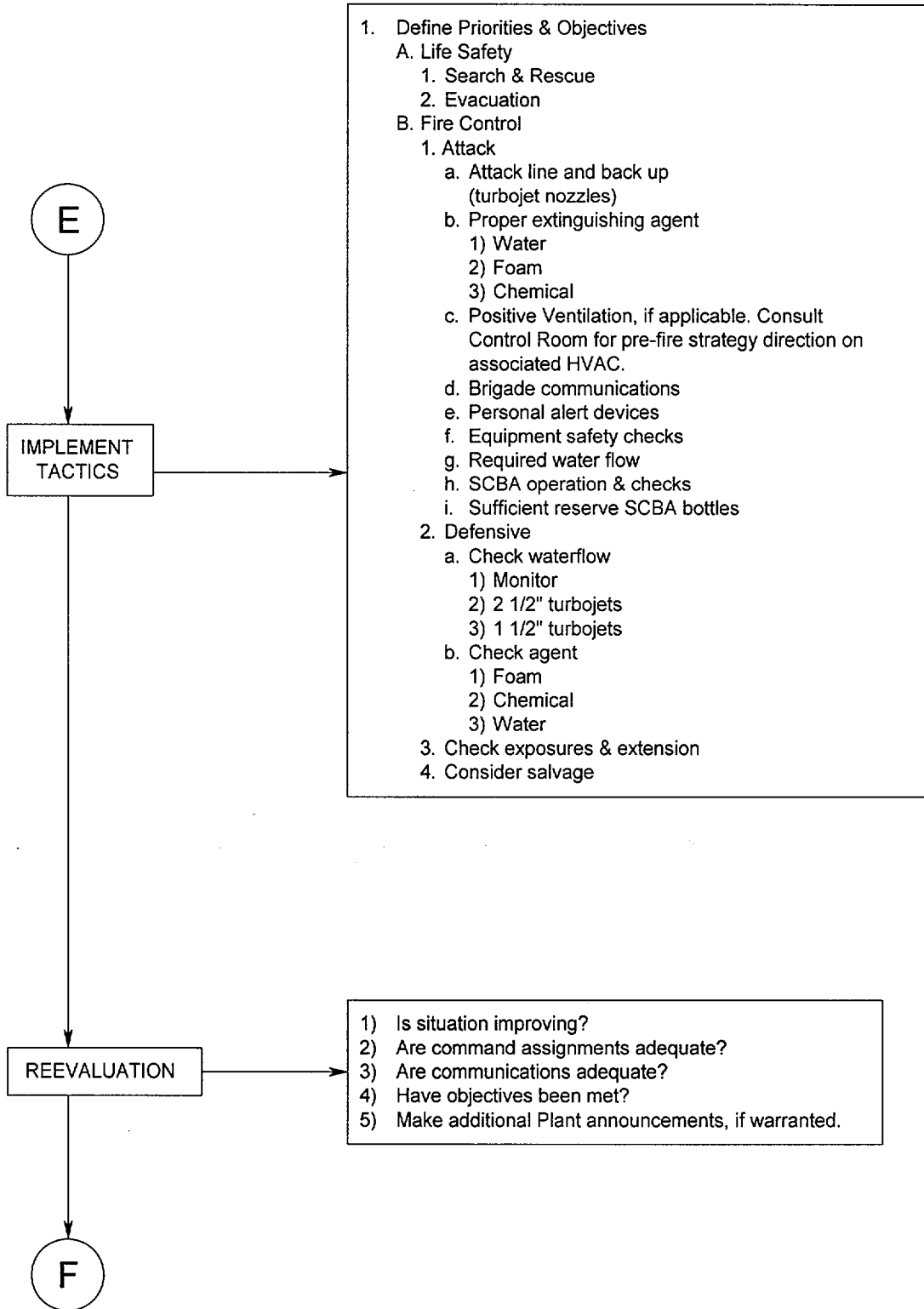






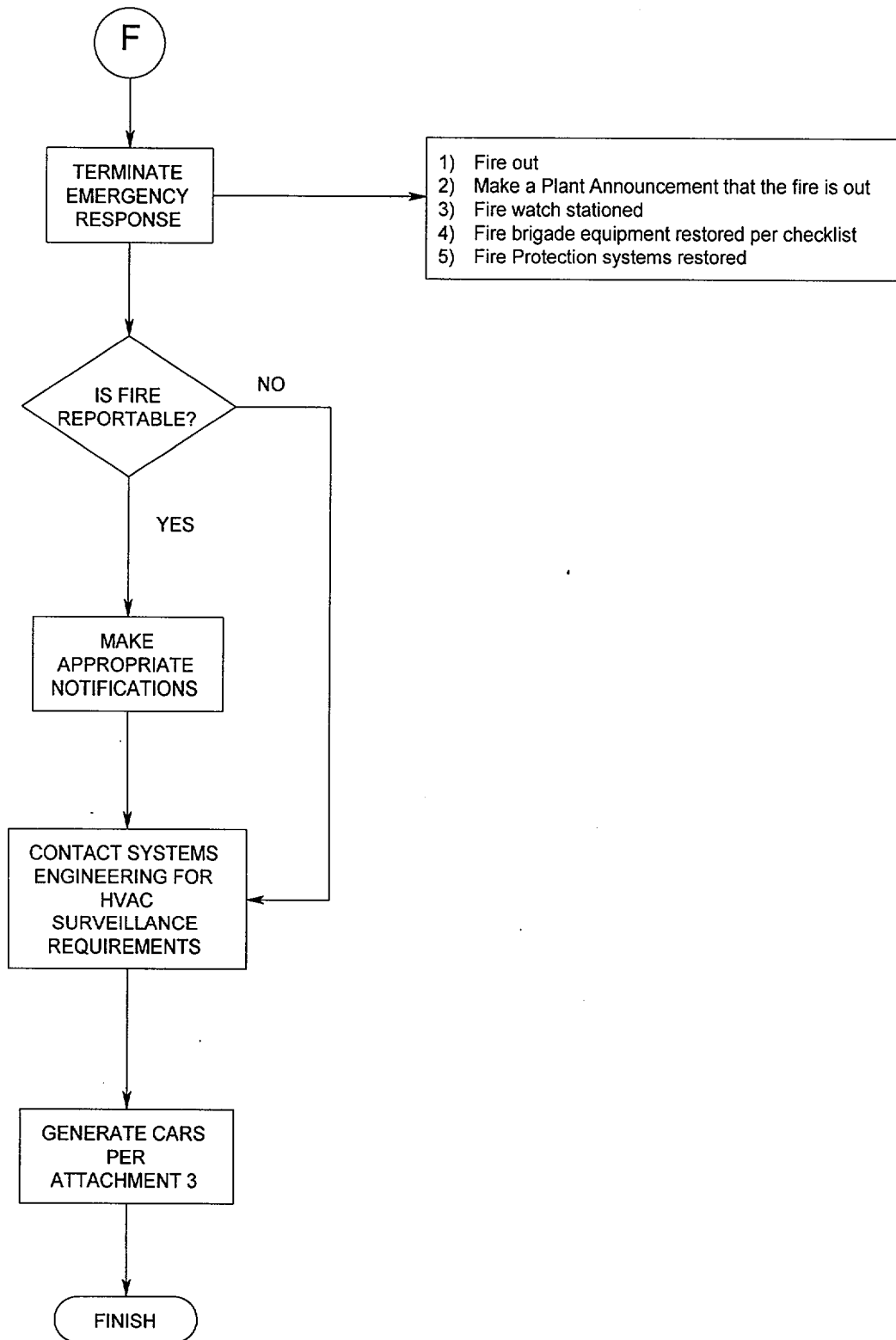






- 1. Define Priorities & Objectives
 - A. Life Safety
 - 1. Search & Rescue
 - 2. Evacuation
 - B. Fire Control
 - 1. Attack
 - a. Attack line and back up (turbojet nozzles)
 - b. Proper extinguishing agent
 - 1) Water
 - 2) Foam
 - 3) Chemical
 - c. Positive Ventilation, if applicable. Consult Control Room for pre-fire strategy direction on associated HVAC.
 - d. Brigade communications
 - e. Personal alert devices
 - f. Equipment safety checks
 - g. Required water flow
 - h. SCBA operation & checks
 - i. Sufficient reserve SCBA bottles
 - 2. Defensive
 - a. Check waterflow
 - 1) Monitor
 - 2) 2 1/2" turbojets
 - 3) 1 1/2" turbojets
 - b. Check agent
 - 1) Foam
 - 2) Chemical
 - 3) Water
 - 3. Check exposures & extension
 - 4. Consider salvage

- 1) Is situation improving?
- 2) Are command assignments adequate?
- 3) Are communications adequate?
- 4) Have objectives been met?
- 5) Make additional Plant announcements, if warranted.



CALLAWAY PLANT

ACTIONS OF PLANT PERSONNEL UPON DISCOVERY OF A FIRE

I. Report fires to the Control Room by quickest method possible.

Phone: From any phone on site . . . 9-911

PA: Line 1. Do not push page button. State, "Control Room Supervisor, this is an emergency, pick up line 2". Switch to line 2 and make the report.

Radio: By two-way radio, if available. (Use Plant Channel 1.)

How to Report:

1. Be CALM
2. Give EXACT LOCATION and ELEVATION of Fire
3. State NATURE and SIZE of Fire
4. State Your Name
5. Report any INJURIES associated with the Fire
6. RECEIVE location to meet Fire Brigade Leader from Control Room
7. WAIT to Find Out if There Are Any Questions and Until Contact Is Broken

NOTE Assess the fire and decide whether to attempt to extinguish it, based on your fire fighting knowledge and capabilities. Do not at anytime place yourself in DANGER. If fighting the fire is impractical, proceed from the immediate area, stand by, and report to the responding Fire Brigade Leader.

II. UTILIZE FIRE EQUIPMENT AVAILABLE (IF PRACTICAL)

NOTE Fire equipment should not be used for purposes other than to extinguish fires, unless being used to conduct training or perform surveillances, which specifically require the use of Fire Brigade Equipment.

USE OF EXTINGUISHER - Use closest available extinguishers. Report use of extinguishers to the Fire Protection Engineer and the Control Room.

USE OF HOSE STATIONS - Do not use hose stations unless Fire Brigade qualified, except in the case that life safety is threatened.

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.

**FIRE BRIGADE MOBILE EQUIPMENT
STORAGE LOCATIONS AND TOWING INFORMATION**

References: **RFR 007678A**
 RFR 020067A

Emergency Vehicle (Fire Truck)

Normal Operations -	OMF truck bay
Alternative 1-	UHS Plant Southeast along fence
Alternative 2-	Turbine Building Plant West

Back-up Trailer

Normal Operations -	Demin Building bay
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Foam Trailer

Normal Operations -	UHS Plant Southeast along fence
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Hazmat Trailer

Normal Operations -	Turbine Building Plant West
Alternative 1 -	UHS Plant Southeast along fence



Towing Information

Hazmat Trailer (Pintle Hitch)

- The Fire Truck will tow the Hazmat Trailer around the PA and through the Main Gate.
- The one-ton Security pick-up will tow the Hazmat Trailer around the PA and through the Plant South gate (Gate 16). The one-ton Security pick-up can not be used to tow the trailer through the main gate due to the clearance of the concrete bump at the gate.

Back-up Trailer (2" Ball Hitch)

- Any vehicle with a 2" ball will tow the back-up trailer.

Foam Trailer (Pintle Hitch)

- The one-ton Security pick-up will tow the Hazmat Trailer around the PA and through the Plant South gate (Gate 16). The one-ton Security pick-up can not be used to tow the trailer through the main gate due to the clearance of the concrete bump at the gate.

Note 1 – Truck and back-up trailer cannot be stored in the same area.

Note 2 – The Fire Protection Engineers or Fire Marshall can approve temporary alternate areas.

Note 3 – The Fire Brigade Storage Shed (UHS Plant South Shed) should be used to temporarily store items from equipment being sent off-site for maintenance.

[Signature] 4/8/01
Fire Marshall / Date

