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Distribution		Abstract			
*	Name	Mail Addr.	This plan provides specific instructions for actions to be taken during emergencies that may occur at or near the Santa Susana Field Laboratory (SSFL) Radioactive Materials Handling Facility (RMHF).		
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Supporting Document Summary of Change

Rev.	Summary of Change	Approvals and Date
A	<p>Updated the primary incident commander's home phone number and added pager number for the backup incident commander. Updated the facility Emergency coordinators list to reflect current personnel status and added Names and home phone numbers for emergency team members and HP. Deleted section 6.10.1, which referred to the facility RAS, deleted references to the RAS in table 6 and updated figure 3 to reflect current conditions.</p>	<p>R. Marshall R. Amar D. Bunch P. Rutherford Released 4/6/01</p>
B	<p>Changed designations of "Incident Commander" to "Incident Commander (Emergency Coordinator)," and "RMHF Facility Emergency Coordinator" to "RMHF Person in Charge" for clarification. Updated addresses and phone numbers.</p> <p>Updated to include new members of emergency team and correct contact information.</p> <p>Table 6 has been updated to reflect changes in alarms.</p> <p>Corrected typographical errors.</p> <p>Modified to read more consistently with regulations and the Santa Susana and Rocketdyne emergency plans.</p> <p>Added T. Venable to approval list.</p> <p>Updated by: Kurtis Nishimura</p>	<p>R. Marshall R. Amar D. Bunch P. Rutherford T. Venable</p>

Supporting Document Summary of Change

Rev.	Summary of Change	Approvals and Date
C	<p>Revised Figure 1, 2 and 3; Table 1 and 6; Appendix C & section 6 to reflect the followings:</p> <ul style="list-style-type: none"> ➤ Removal of the Evaporator ➤ Removal of some components of the Radioactive Water System ➤ Removal of the Transfer Tank & associated Alarm ➤ Removal of the Auxiliary Air Compressor ➤ Updated Emergency Numbers <p>Updated by: Sharon Gevorgiz</p>	<p>R. Marshall</p> <p>R. Amar</p> <p>D. Bunch</p> <p>P. Rutherford</p> <p>P. Waite</p> <p>T. Venable</p>
D	<p>Revised to incorporate current department names and phone numbers. Changed “catch basin” to “catch tank”. Updated Emergency Coordinator names and contact information. Revised Table 3 to show number of fire trucks and first kits currently available. Revised Tables 5 and 6, Appendix A, C and D, and Figures 1, 2 and 3 to reflect current facility conditions.</p>	<p>_____</p> <p>R. Amar</p> <p>_____</p> <p>P. Rutherford</p> <p>_____</p> <p>P. Waite</p> <p>_____</p> <p>T. Venable</p> <p>_____</p> <p>E. Walsh</p>

Supporting Document Summary of Change

Rev.	Summary of Change	Approvals and Date
E	<ul style="list-style-type: none"> Updated Training Course Numbers Updated to include new emergency team members and contact information. Updated Table-1 to reflect current Emergency Contact information Updated Table-3 to reflect available emergency equipment and department numbers. Replaced "<i>Disaster Preparedness Plan</i>" with "<i>Emergency Plan</i>" throughout the document. <p>Updated by: M. Spenard</p>	<p>R. Amar</p> <hr/> <p>P. Rutherford</p> <hr/> <p>P. Waite</p> <hr/> <p>T. Venable</p> <hr/> <p>E. Walsh</p>
F	<p>Revised to reflect the following</p> <ul style="list-style-type: none"> Update RMHF Emergency Team contact numbers Update Figure 1 to reflect current conditions and add spill equipment locations Update Figure 2 to reflect current conditions Update Figure 3 to reflect current alarm and communication locations Update Table 6 to remove Transformer High Temperature alarm and change Fire Sprinkler flow alarms to indicate local alarm only Update Emergency Team training Update BCC emergency telephone number Replaced <i>Emergency Plan</i> with <i>Disaster Preparedness Plan</i> in §6 Replaced <i>SOP C-203 Hazardous Waste Management Program</i> with <i>Santa Susana Work Instruction 270-11-00900 Hazardous Waste Management</i>. Minor editorial changes <p>Updated by M. Spenard 12/5/2012</p>	<p><i>M. Spenard</i> M. Spenard</p> <p><i>P. Waite 12/21/12</i> P. Waite</p> <p><i>D. Dasser 12/18/2012</i> D. Dasser</p> <p><i>P. Rutherford</i> P. Rutherford</p> <p><i>P. Waite</i> P. Waite</p> <p><i>R. Mako 12/18/2012</i> R. Mako</p> <p><i>E. Walsh</i> E. Walsh</p> <p>K. Ruddick</p> <p><i>K. Ruddick 12/18/2012</i> K. Ruddick</p>

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1. INTRODUCTION

This plan provides specific instructions for actions to be taken during emergencies that may occur at or near the Santa Susana Field Laboratory (SSFL) Radioactive Materials Handling Facility (RMHF). The RMHF consists of eight buildings (4021, 4022, 4034, 4044, 4075, 4621, 4658, and 4665), and two covered storage areas (4688 and 4563), enclosed by a perimeter security fence, and a water runoff catch tank to the west of the facility (see Figure 1). General instructions for the SSFL can be found in the SSFL [Emergency Plan](http://des.web.boeing.com/shearwater/security/DisasterPreparedness/WH_Emergency_Plan.doc) maintained by the SSFL Security and Fire Protection Group (http://des.web.boeing.com/shearwater/security/DisasterPreparedness/WH_Emergency_Plan.doc) and in the SSFL Spill Prevention and Response Plan found in the SSFL Business Plan.

2. EMERGENCY COORDINATOR

Primary emergency response at the SSFL is the responsibility of the SSFL Security and Fire Protection shift commander (Incident Commander) on duty at the time. The Position of Emergency Coordinator for the RMHF is filled by the Incident Commander. The Incident Commander provides the general site response to all emergency situations and will be assisted by the RMHF Facility Person In Charge (PIC) who provides facility specific information to the Incident Commander.

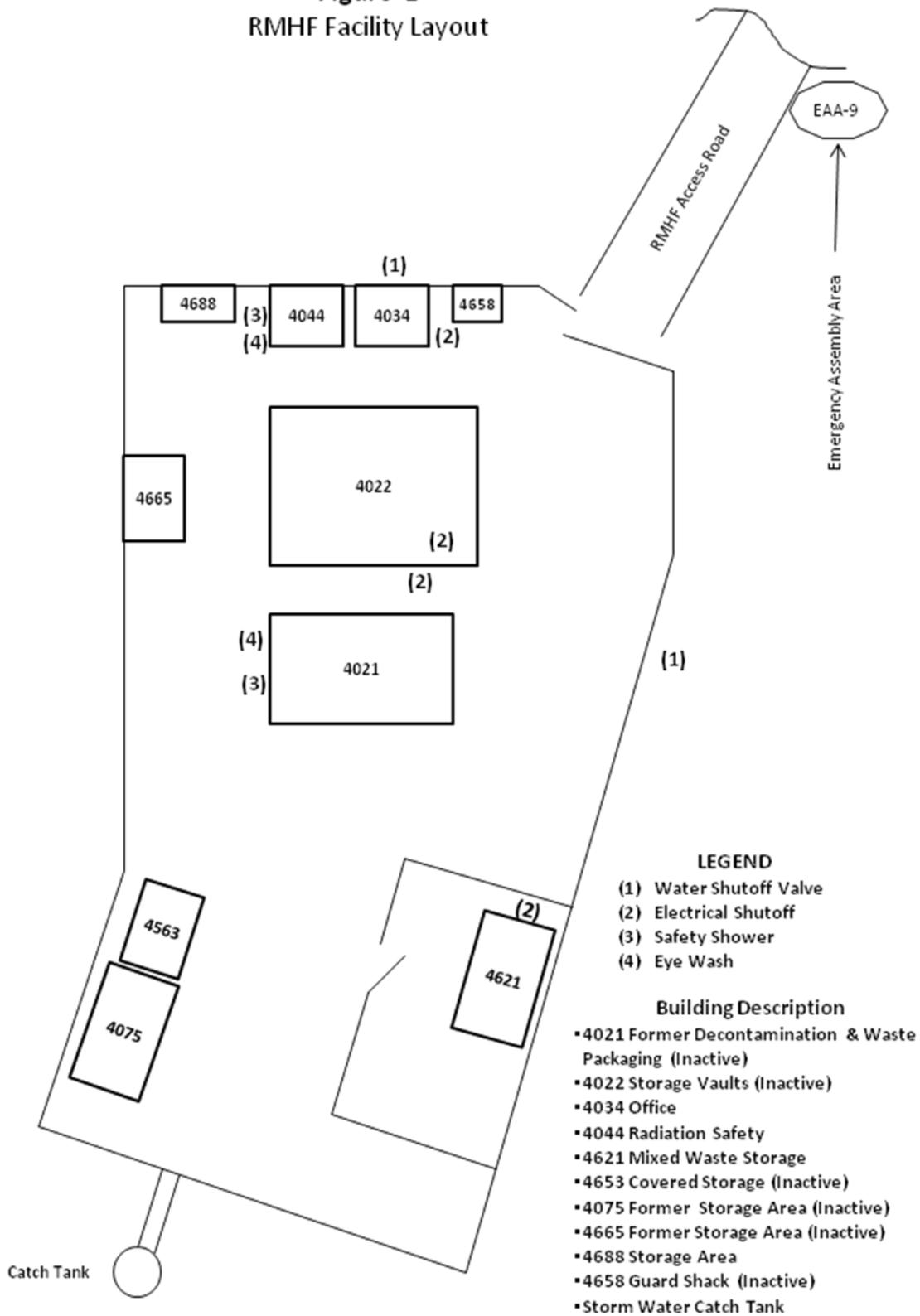
Primary Emergency Coordinator (Incident Commander) for SSFL is:

Name:	Ed Walsh
Title:	Supervisor, Security and Fire Protection
Business Phone:	(818) 466-8108
24 Hour Phone:	(562) 797-2553

The Backup Secondary Emergency Coordinator (Incident Commander) designee for SSFL in the event that the primary Emergency Coordinator cannot be reached is:

Name:	Larry Rodman
Title:	Regional Fire Protection Engineer
Business Phone:	(818) 519-9886
24 Hour Phone:	(562) 797-2553

Figure 1
 RMHF Facility Layout



3. EMERGENCY TEAM

A facility emergency team has been formed for the purpose of executing the actions required by this plan. Members of the RMHF Emergency Team will meet the requirements of a Specialist Employee as defined in T8 CCR 5192(q)(5). Names of the members of the RMHF Facility Emergency Team are on file at the SSFL Security and Fire Protection office and the Boeing Communications Center (562-797-2222). The list will be updated as needed to reflect current personnel assignments. The Facility Person In Charge or designated alternate will be the Team Captain.

The emergency team captain or alternate team captain may appoint additional team members as appropriate to the situation.

Specialist Employees shall be employees who, in the course of their regular job duties, work with and are trained in the hazards of specific hazardous substances, and who will be called upon to provide technical advice or assistance at a hazardous substance release incident to the individual in charge, shall receive training (Hazardous Waste Operations and Emergency Response 9CESRCRA 24 or Hazardous Waste Operations and Emergency Response Hazardous Materials Specialist TR010712 or Hazardous Waste Operations and Emergency Response Materials Technician 1S00056) or demonstrate competency in the area of their specialization annually.

The training for RMHF Emergency Team members shall be in accordance with the SSFL Spill Prevention and Response Plan found in the SSFL Business Plan and include at a minimum:

- 1) Hazardous Waste Operations and Emergency Response for Operations at TSD Facilities 9CESRCRA24
- 2) Hazardous Waste Operations and Emergency Response for Clean-up Operations at Uncontrolled Sites TR010711
- 3) Hazardous Waste Monitor 6C63725
- 4) RMHF Facility Familiarization 9CC5029
- 5) Radiation Protection Basic Safety Principles 1S00038A
- 6) Contaminated Area Dress Out 9CC4071

3.1 THE RMHF EMERGENCY TEAM

The emergency team for the RMHF consists of the following. In order to reach any of the members of this team at home, go through the Boeing Communication Center at 562-797-2553.

Team Captain:	Paul Waite, (818) 466-8255 Boeing Radio Channel-2
Alternate Team Captain:	Mark A. Spenard, (818) 466-8713 Boeing Radio Channel-2
Additional Team Members:	Qualified HP Earl Sorrels (818) 466-8864 Boeing Radio Channel-2

3.2 RESPONSIBILITY OF EMERGENCY TEAM

The emergency team will be responsible for the execution of the following general tasks (Appendix B):

- 3.2.1 Notify SSFL Security and Fire Protection via the Boeing Communications Center (562-797-2222).
- 3.2.2 Provide assistance as requested to the SSFL Security and Fire Protection Incident Commander.
- 3.2.3 Maintain liaison with the SSFL Security and Fire Protection Incident Commander.
- 3.2.4 Preserve the scene of serious incidents.
- 3.2.5 Conduct initial fire suppression activities using fire extinguishers (if trained and it is safe to do so).
- 3.2.6 Open and close windows and doors as required.
- 3.2.7 Direct evacuation of personnel.
- 3.2.8 Shut down facility operations.
- 3.2.9 Shut down power and water supply systems as required. Facility shutdown information is presented in Appendix A.
- 3.2.10 Summon first aid as required.

- 3.2.11 Conduct facility damage inspections at the direction of the SSFL Security and Fire Protection Incident Commander.
- 3.2.12 Conduct/direct authorized post emergency cleanup operations as required for chemical or radiation related incidents.
- 3.2.13 Preserve personnel and visitor lists.
- 3.2.14 Specific actions are assigned to various team members as listed above. Additional specific tasks will be assigned to available team members by the team captain or alternate team captain at the time of the incident.

4. ARRANGEMENTS WITH OUTSIDE AGENCIES IN THE EVENT EMERGENCY ASSISTANCE IS REQUIRED

The RMHF can be easily reached by fire fighting and other emergency vehicles and equipment. SSFL Security and Fire Protection will respond to all general plant emergencies. If a fire should break out, preventing the fire from spreading to nearby areas has top priority. Appropriate contacts shall be made in accordance with SSFL Facility Spill Prevention Plan.

Table 1
Emergency Contacts

Agency	Name	Phone Number
Hospital	West Hills Hospital and Medical Center 7300 Medical Center Dr. Canoga Park, CA 91303	(818) 676-4199
Ambulance*	Boeing Communications Center	Facility phone 22222 Non-facility phone (562) 797-2222
	Ventura County Fire Department	(805) 384-1500
Fire Department	Ventura County Fire Department	(805) 384-1500
	Los Angeles County Fire Department	(323) 262-2111
	Los Angeles City Fire Department	(213) 485-6185
Local Police	Ventura County Sheriff's Office	(805) 654-2314
State of California Emergency Response	Office of Emergency Services	(800) 852-7550 (916) 845-8911
	Cal/EPA – DTSC (Chatsworth Office)	(818) 717-6500
	Cal/EPA – DTSC (Berkeley Office)	(510) 540-2122
Emergency Authorities	National Response Center EPA Region IX Spill, Hazardous Waste	(800) 424-8802 (800) 300-2193 or (415) 947-4400
U. S. Department of Energy	Bob Goldsmith John Jones Ed Westbrook Terry Krietz James Hutton Karl Goodwin (Security) Steve O'Connor (Transportation) Ken Picha	(301) 903-4954 or (240) 751-2647 (818) 466-8959 (303) 236-3673 or (202) 494-6808 (301) 903-6456 or (240) 751-5788 (202) 586-0975 or (301) 830-3288 (301) 903-5498 or (240) 678-8667 (301) 903-7854 or (240) 477-9217 (202) 586-9726 or (202) 615-6079

* The RMHF Facility Person In Charge will contact the Boeing Communications Center for assistance. The SSFL Incident Commander or designee will evaluate the situation and notify and/or request assistance from the indicated local agencies on an as needed basis.

5. EMERGENCY EQUIPMENT AT THE RMHF

Table 2
Emergency Equipment at the RMHF
(Telephones are located in B/4034 and B/4044)

<u>Building 4621</u>	<u>Building 4022</u>
1. Broom (1)	1. Safety shower (Bldg. 4021 and 4044)
2. Shovel (1)	2. Eye wash (Bldg. 4021 and 4044)
3. Intercom (1 on fence)	3. Broom (1)
4. Fire extinguishers (1, ABC type)	4. Shovel (1)
5. Face mask (2)	5. Intercom (1)
6. Safety gloves (2 pair)	6. Fire extinguishers (4, ABC type)
7. Whisk broom (1)	7. Face mask (2)
8. Mop (1)	8. Safety gloves (2 pair)
9. Dust pan (1)	9. Whisk broom (1)
10. Paper towels (1 bundle)	10. Mop (1)
11. 5-gallon buckets (5)	11. Dust pan (1)
12. Plastic bags (6)	12. Paper towels (1 bundle)
13. Absorbent (1)	13. 5-gallon buckets (2)
	14. Plastic bags (6)
	15. Absorbent (1)

<u>Building 4021</u>
1. Broom (1)
2. Shovel (1)
3. Intercom (2)
4. Fire extinguishers (1, ABC type)
5. Face mask (2)
6. Safety gloves (2 pair)
7. Whisk broom (1)
8. Mop (1)
9. Dust pan (1)
10. Paper towels (1 bundle)
11. 5-gallon buckets (5)
12. Plastic bags (6)
13. Absorbent (1)
14. Safety shower
15. Safety shower (Bldg. 4021 and 4044)
16. Eyewash (Bldg. 4021 and 4044)

Locations of the emergency equipment at the RMHF are shown on Figure 1.
Additional emergency equipment located near the RMHF is given in Table 3.

**Table 3
Additional Emergency Equipment Available for use at the RMHF**

<u>Emergency Equipment</u>	<u>Quantity</u>	<u>Location</u>
1. Fire hydrant	1	12 th Street
2. Fire truck	1	Fire Dept., B/1319
3. Pickups	2	Fire Dept., B/1319
4. First aid supplies	Kits for 12 people	Fire Dept., B/1319
5. 2-way radio Communication Network		Fire Dept., B/1319

6. ACTION PLANS FOR EMERGENCY SITUATIONS

Emergency notifications shall be made in accordance with SSFL Disaster Preparedness Plan. Copies of the plan are located on the SSFL Emergency Operations Center, and with other responsible management involved with the plan. Specific responses to emergencies at the RMHF are presented below.

6.1 UNPLANNED SUDDEN OR NONSUDDEN RELEASES

6.1.1 Spills

6.1.1.1 The initial response to any emergency will be to protect human health, safety and the environment. Identification, containment, treatment, and disposal assessment will be secondary responses. Responses to spills are listed in Table 4.

Table 4
Emergency Responses for Spills

1. Notify the Boeing Communications Center at 562-797-2222 and provide the following information:
 - Your name
 - The material spilled
 - Location of spill
 - Estimated quantity of spill
 - Has the spill entered surface waters?
 2. If safe to do so and you are properly trained, stop the flow.
 3. If the spill is outside the work area, contain the spill using absorbent pads, absorbents, boards, etc., and prevent the spill from entering surface waters.
-
- 6.1.1.2 If the spill can impact off-site areas, the Incident Commander (IC) will contact the appropriate agencies listed in Table 1.
- 6.1.1.3 Post emergency, the IC will turn the cleanup activities over to the Environmental Protection Department and/or to the RMHF Emergency Team who will monitor cleanup activities to ensure proper action, take water samples, make investigations into causes and prepare reports.
- NOTE: Appropriate personnel protective equipment shall be worn as required when controlling/containing a spill.
- 6.1.1.4 Environmental Protection Department provides the necessary equipment, materials, and manpower and makes arrangements for outside environmental pollution control services as follows:
- 6.1.1.4.1 Maintains an open purchase order with an onsite hazardous waste company that is capable of pumping out diked areas.
 - 6.1.1.4.2 Maintains a supply of sandbags or equivalent items to provide for temporary containment of spills.
 - 6.1.1.4.3 Maintains a supply of absorbent material to aid in removing spills from the ground or a water surface.
 - 6.1.1.4.4 In addition to storing a minimum necessary supply of items listed above, develops an outside source which can furnish such materials in larger quantities on an emergency basis.

- 6.1.1.4.5 Provide in-house or subcontractor capabilities to store or dispose of the contents of any container that has a serious leak or whose continued use poses a serious pollution risk.
- 6.1.1.4.6 Make arrangements to dispose of contaminated water, contaminated soils, and cleanup material at a permitted disposal facility.
- 6.1.1.4.7 Assemble equipment, supplies, protective clothing, and sample bottles in the spill response staging area.
- 6.1.1.5 SSFL Security and Fire Protection personnel will make every effort to contain spills which may potentially enter drainage channels.
- 6.1.1.6 If the spill results in the formation of a vapor cloud, e.g. by reaction with surrounding materials or by outbreak of fire, evacuation will be enforced. An area of at least 500 ft diameter will be evacuated. (See section 6.7 for additional information on evacuation.)
- 6.1.1.7 Responsibilities of the Incident Commander

The Incident Commander (IC) is responsible for coordinating all emergency response measures and must be knowledgeable of the Contingency Plan and the general activities at the facilities. The RMHF Facility Person In Charge or alternate must be thoroughly familiar with the Plan and all activities at the facilities, locations, and characteristics of wastes, locations of records and facilities layouts and shall assist the Incident Commander as needed.

6.1.1.7.1 Availability at All Times

a. On-Site:

The on-duty, ranking SSFL Security and Fire Protection officer is the Incident Commander.

b. On Call:

EHS will respond, as needed, to the spill site.

6.1.1.7.2 Responsibilities in an Emergency

a. Notification:

Incident Commander will make predetermined notifications per emergency procedures and notify local police, fire departments or hospitals if their help is needed. The EHS Department shall notify the State Office of Emergency Services, DTSC (Berkeley Regional Office), and others in accordance with the SSFL Spill Prevention and Response Plan found in the SSFL Business Plan.

b. Identification:

In case of release of any hazardous material, the Incident Commander with assistance from EHS will identify the character (chemical identification, toxicity, corrosivity, ignitibility), exact source, amount, extent of the released material, air

contamination considerations and extent of soil and groundwater contamination through observation, records and chemical analysis. The PIC shall assist in these determinations.

c. Assessment of Health Effects:

The Incident Commander with assistance from EHS is responsible to assess the direct or indirect health effects from exposure to released materials and the agents used to control these materials:

- (1) Toxic, irritating, or asphyxiating gas generated.
- (2) Surface run-off of chemical agents used to control the emergency and the reaction byproducts.

d. Off-Site Health Threat:

(1) If the emergency could threaten health off-site, The Incident Commander with the assistance of EHS shall notify local authorities and advise on the need to evacuate.

(2) At the direction of the Incident Commander the EHS Department will provide the National Response Center with the following information in accordance with SSFL Spill Prevention and Response Plan found in the SSFL Business Plan.:

- (a) Name of reporter
- (b) Telephone number of reporter
- (c) Name of facility
- (d) Address of facility
- (e) Time of incident
- (f) Type of incident (e.g., fire)
- (g) Name of material(s) involved
- (h) Quantity of material(s) involved
- (i) Extent of injuries, if any
- (j) Possible hazards to health or environment outside facility.

e. Prevention of Spread or Recurrence of Emergency during an Emergency

Take measures to ensure that fires, explosions, and releases do not occur, recur, or spread, as appropriate:

(1) Operating Department, SSFL Security and Fire Protection, and EHS shall collect and contain any released waste in accordance with Santa Susana Work Instruction 270-11-00900, "Hazardous Waste Management."

f. Monitoring of Operation:

If an emergency occurs, the Operating Department, along with Security and Fire Protection, shall stop any operations and monitor for any dangerous gas generation or leaks of hazardous materials.

g. Provision for Storage or Disposal:

EHS will be responsible for the storage and disposal of:

- (1) Recovered waste
- (2) Contaminated soil
- (3) Contaminated surface water.

h. Area Cleanup

The Operating Department and EHS will ensure that area cleanup is completed before normal operations handling hazardous wastes are resumed.

i. Equipment Maintenance

The Operating Department and/or the Site Services Department will clean, repair, or replace emergency equipment before the facility resumes operation.

6.1.1.8 First Response by Facility Personnel

First Response

The first response will be to evacuate the immediate area and notify the Boeing Communications Center at 562-797-2222. A perimeter will be established at a safe distance from the spill. If it can be done safely, an effort will be made to reduce or stop the spill. The facility personnel will aid the Incident Commander as requested.

6.1.1.9 Operating Record

The RMHF Facility Person In Charge will identify in the operating record the following items for any incident that involves implementation of the Contingency Plan.

- a. Date
- b. Time
- c. Details

6.1.1.10 Written Report to California Department of Toxic Substances Control

Within 15 days, EHS in accordance with SSFL Spill Prevention and Response Plan, found in the SSFL Business Plan, will submit a written report to California Department of Toxic Substances Control. The report will contain the following information about the incident:

- a. Name, address, and telephone number of the owner or operator
 - b. Name, address, and telephone number of the facility
 - c. Date, time, and type of incident
 - d. Name and quantity of material(s) involved
 - e. Extent of injuries, if any
 - f. Assessment of actual or potential health or environmental hazards, if applicable
 - g. Estimated quantity and disposition of recovered material resulting from incident.
- 6.1.2 Emissions (resulting from equipment failure)
- 6.1.2.1 Evacuate personnel in accordance with Section 6.4.

6.2 CLOSING OF PLANT

A plant closing will only be ordered by Boeing Senior Management or Security and Fire Protection. Upon receipt of a notice of plant closing:

- 6.2.1 Shut down all operations as for a long weekend (see Appendix C).
- 6.2.2 All personnel will then leave in an orderly manner.

6.3 EARTHQUAKES

The action required after the occurrence of an earthquake will depend on the severity of the tremor. An earthquake will be considered mild if no apparent damage to structures or personnel injury has been noted. An earthquake will be considered as severe if either structural damage or personnel injury has been sustained. The actions required consist of:

6.3.1 Mild Earthquakes

- 6.3.1.1 Inspect buildings, storage areas, power, water, and alarm systems for damage.
- 6.3.1.2 Shut down systems and operations if the inspection reveals that continuance would pose facility or personnel hazards.
- 6.3.1.3 Notify the Boeing Communications Center (562-797-2222) of shutdowns and/or discovered damages.

6.3.2 Severe Earthquakes

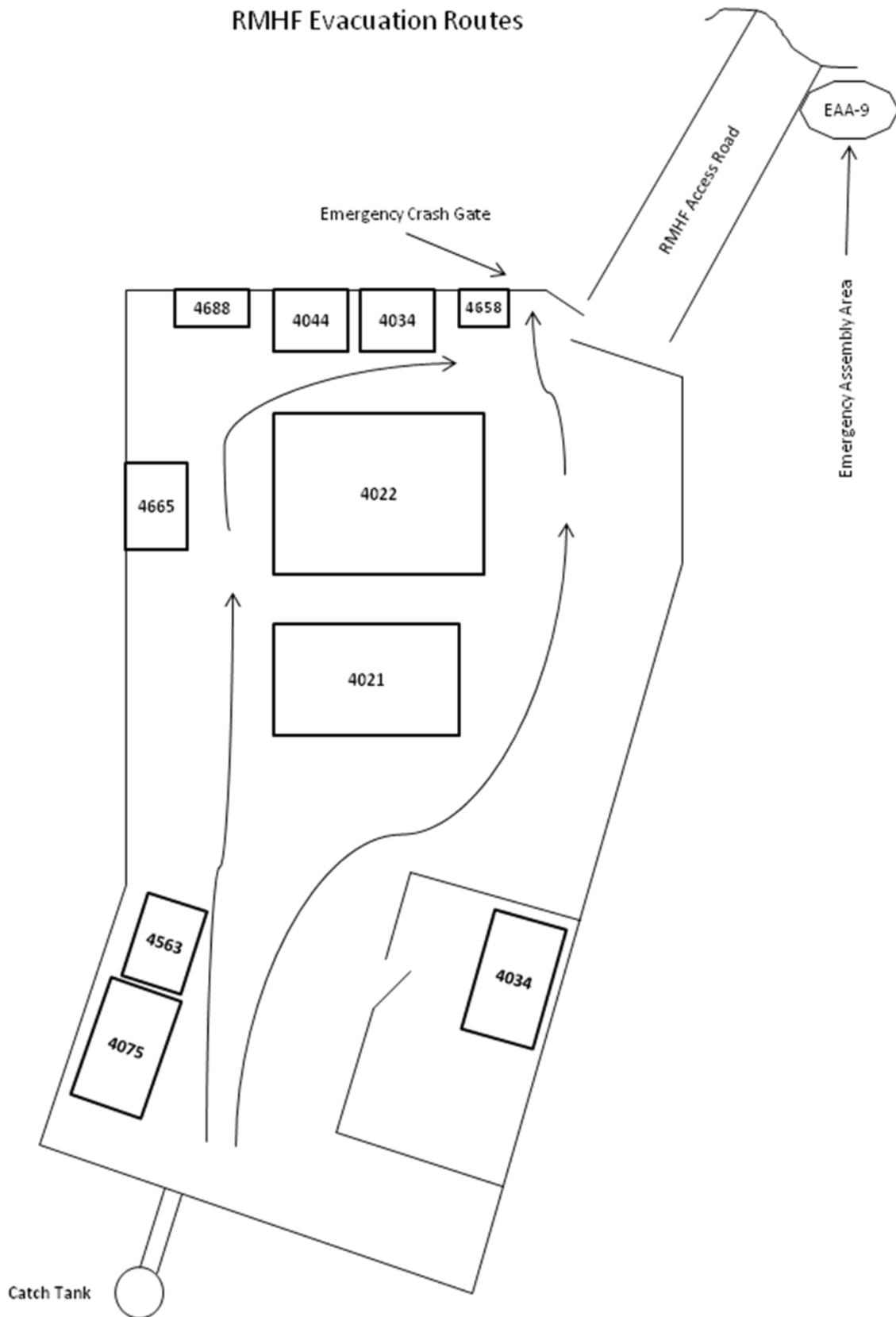
- 6.3.2.1 Assemble emergency team.
- 6.3.2.2 Participate in rescue operations of trapped personnel if required.
- 6.3.2.3 Conduct initial fire suppression activities if required (if trained to do so).
- 6.3.2.4 Evacuate all personnel to an area specified by management or SSFL Security and Fire Protection. See section 6.7.
- 6.3.2.5 Shut off power systems (see Appendix A).
- 6.3.2.6 Inspect buildings, storage areas, and facility systems for damage. Red – tag the crane until inspected and cleared for use. Shut down damaged systems as required, and notify the Boeing Communications Center (562-797-2222) of shutdowns and damages.

6.4 **EVACUATION OF PERSONNEL**

Evacuation of personnel may be ordered by Management, SSFL Security and Fire Protection, or the Emergency Team Captain (RMHF Facility PIC). See Figure 2 for the RMHF evacuation routes. The following general procedure will be followed in the event that a personnel evacuation is ordered:

- 6.4.1 All employees will take car keys, wallet, purse, etc., to the Emergency Assembly Area specified in the Emergency Evacuation Plan or an area specified by SSFL Security and Fire Protection.
- 6.4.2 The Emergency Team Captain will be responsible for bringing the list of personnel and the Visitor Log Book to the Emergency Assembly Area (EAA), located on the south side of 12th street (east of building 4034).
- 6.4.3 All employees will move to a secondary EAA if directed to do so by SSFL Security and Fire Protection.
- 6.4.4 Employees will leave the plant in an orderly manner if directed by SSFL Security and Fire Protection.
- 6.4.5 A public address system will be used by SSFL Security and Fire Protection to notify area personnel of the emergency and recommended actions.
- 6.4.6 The paved access roads to the facilities are designated as evacuation routes for all personnel, visitors, and contractors.

Figure 2
RMHF Evacuation Routes



6.5 FIRES - EXPLOSIONS

The actions to be taken following the detection of a fire or explosion will be to:

- 6.5.1 Evacuate the immediate area and notify the Boeing Communications Center (562-797-2222) as to the extent and type of fire and/or explosion.
- 6.5.2 Evacuate all personnel if hazardous conditions exist.
- 6.5.3 Start fire suppression action using fire extinguishers (if trained to do so), depending on the type of fire involved.

6.5.3.1 Electrical Equipment Fires

Containment of electrical equipment fires will be accomplished by:

- 6.5.3.1.1 Shutting off electrical power to the equipment, using appropriate breaker located as indicated in Appendix A (Step B).
- 6.5.3.1.2 Using ABC extinguishers to suppress fires.

6.5.3.2 Other Fires

The proper fire extinguisher will be used to suppress other types of fires, such as gasoline or grease fires.

6.6 FUEL, ELECTRICAL, AND CHEMICAL INCIDENTS

These incidents consist of chemical spills, fuel spills, or power line incidents that present an explosion, fire, or toxicity hazard. The actions to be taken will vary depending on whether the incident occurs indoors or outdoors.

6.6.1 Outdoor Incidents

If the incident occurs out of doors in the vicinity of the facility, the emergency team will:

- 6.6.1.1 Close all doors and windows.
- 6.6.1.2 Notify the Boeing Communications Center (562-797-2222) of the type of incident and its location.
- 6.6.1.3 Remain indoors and wait for instructions from SSFL Security and Fire Protection.

6.6.2 Indoor Incidents

If the incident occurs indoors, the following actions will be required:

- 6.6.2.1 Notify the Boeing Communications Center (562-797-2222) of the type of incident and its location.
- 6.6.2.2 If explosion, fire, or toxicity hazard is present, evacuate all personnel to the Emergency Assembly Area (EAA), located on the south side of 12th street (just southeast of building 4034), or an area specified by SSFL Security and Fire Protection.
- 6.6.2.3 Close all doors and windows.
- 6.6.2.4 Shut off the power supply systems.

6.7 RADIATION INCIDENTS

The actions to be taken in the event of a radiation incident will vary depending on the location and type of alarm that is involved. Emergency procedures and notifications for radiation incidents shall be in accordance with the SSFL Disaster Preparedness Plan.

6.7.1 Radiation Exposure to Personnel

1. Contact the Health Physicist on duty, (818-466-8864), for immediate evaluation of the situation, and the Radiation Safety Officer (818-466-8840).
2. Follow the procedures outlined in the SSFL Disaster Preparedness Plan. Copies of the plan are located on the SSFL Emergency Operations Center, and with other responsible management involved with the plan.

6.8 RECALL OF PERSONNEL

Management will order the recall of personnel when the emergency situation no longer exists. A list of the personnel employed at the RMHF facility is located in building 4034. The responsible manager will call each person on the list with information as to when and where to report for work.

6.9 SERIOUS ILLNESS/INJURY INCIDENT

The following action is required in the event of serious illness or injury incident:

- 6.9.1 Notify the Boeing Communications Center (562-797-2222) as to the nature and extent of the incident.
- 6.9.2 Do not move victim unless a hazardous environment is present.
- 6.9.3 Obtain first aid as required.
 - 6.9.3.1 Electrical Shock Victim
 - 6.9.3.1.1 Shut off electrical power.
 - 6.9.3.1.2 Remove victim from power source using insulating materials to avoid shock.

6.9.3.2 Falls

6.9.3.2.1 DO NOT MOVE THE VICTIM unless there is an immediate danger to life and health.

6.9.3.2.2 Call the Boeing Communications Center (562-797-2222) for immobilization and transport of the victim.

6.9.4 Preserve the scene of any serious incident until released by SSFL Security and Fire Protection.

6.10 SEVERE WEATHER

In the event of high winds, extreme turbulence, heavy rains, or violent electrical storms, the following actions will be taken:

6.10.1 Assemble the Emergency Team.

6.10.2 The emergency team will decide if operations are to be suspended on the basis of whether their continuance would create significant personnel or equipment hazard.

6.10.3 Shutdown of operations will be required if the steady wind velocity exceeds 60 knots or if wind gusts of 75 knots are recorded.

7. REVISION TO CONTINGENCY PLAN

The Contingency Plan will be reviewed and amended, if necessary, whenever:

- a. The facility permit is revised.
- b. The Plan fails in an emergency.
- c. The facility changes in its design, construction, operation, maintenance or other circumstances in a way that materially increases the potential for fire, explosions, or release of hazardous waste or hazardous waste constituents or requires changes in responses necessary in any emergency.
- d. The Incident Commander designates changes, i.e., ranking on-duty SSFL Security and Fire Protection Officer.
- e. The list of emergency equipment changes.
- f. Applicable regulations are revised.

If amendment of the Contingency Plan is required pending release of the amended document, the facility copy shall be "red lined" with the identified changes in accordance with the Release Plan of Action, document RPA-00091.

Appendix A Facility Utilities Shutdown

- A. Shutdown of natural gas supply. **There is no natural gas in use at the RMHF.** A single natural gas line, located adjacent to the exterior west wall of building 4021, is capped. This line is valved off at the RMHF fence line just south of building 4021.
- B. Shutdown of electrical power. Building power will be turned off by opening a main breaker as shown for individual buildings in the following table.
- C. Shutdown of Industrial Water Supply. Industrial water supply will normally not be turned off during an emergency. When and if the seriousness of the emergency requires turning off of the industrial water supply, the main water supply valve for the individual buildings will be closed as shown in the following table.
- D. Shutdown of air conditioning and ventilation equipment (reentry team member performs). Switches for individual buildings are shown in the following table.

**Table 5
Facility Utilities Shutoff Locations**

BUILDING	ELECTRICAL POWER	WATER	A/C AND VENTILATION
4021	No main breaker in 4021. Temporary power only, fed by extension cords	NONE	NONE
4022	West wall, inside, panel DC	NONE	NONE
4034	South wall, outside, panel MAIN	East side, outside	North wall, outside West wall, inside
4044	West wall, inside, panel MAIN	East side, outside	South wall, outside
4075	NONE	NONE	NONE
4621	East wall, outside	NONE	NONE
4665	NONE	NONE	NONE

Note: There is no natural gas in use at the RMHF. A single gas line is capped off just outside the SW corner of building 4021. This natural gas line is also valved off at the facilities southern perimeter just west of building 4021.

Appendix B Assigned Tasks and Responsibilities

The following tasks and responsibilities will be assigned to specific team members by the Emergency team captain as appropriate:

1. Notify the Boeing Communications Center (562-797-2222).
2. Provide assistance as requested to the SSFL Security and Fire Protection Incident Commander.
3. Maintain liaison with the SSFL Security and Fire Protection Incident Commander.
4. Preserve the scene of serious incidents.
5. Conduct initial fire suppression activities using fire extinguishers (if trained and it is safe to do so).
6. Open and close windows and doors as required.
7. Direct evacuation of personnel.
8. Shut down facility operations.
9. Shut down power and water supply systems as required. Facility shutdown information is presented in Appendix A.
10. Summon first aid as required.
11. Conduct facility damage inspections at the direction of the SSFL Security and Fire Protection Incident Commander.
12. Conduct authorized post emergency cleanup operations as required for chemical or radiation related incidents.
13. Preserve personnel and visitor lists.

Appendix C Facility Shutdown Instructions

Two types of facility shutdown are anticipated. A short time shutdown will consist of making the facility safe as for a long weekend. A long time shutdown implies that the facility is to be deactivated.

1. Short Term Shutdown

Turn off lights and lock facility

2. Long Term Shutdown

Facility is currently in a Long Term/Safe Shutdown condition. When facility is unoccupied, turn off lights and lock facility.

Appendix D Alarm SYSTEMS

The RMHF is currently in a Safe Shutdown condition. Electrical power to buildings 4075, 4021, 4665 and 4658 has been disconnected. Water service, including fire sprinklers and associated alarms, related to buildings 4658, 4075 and 4021 has been disconnected. Buildings 4034 and 4044 have fire sprinkler flow switches with local alarms. Building 4022 has smoke detectors with local alarms.

Figure 3
RMHF Alarm, Emergency Communication,
and
Spill Equipment Locations

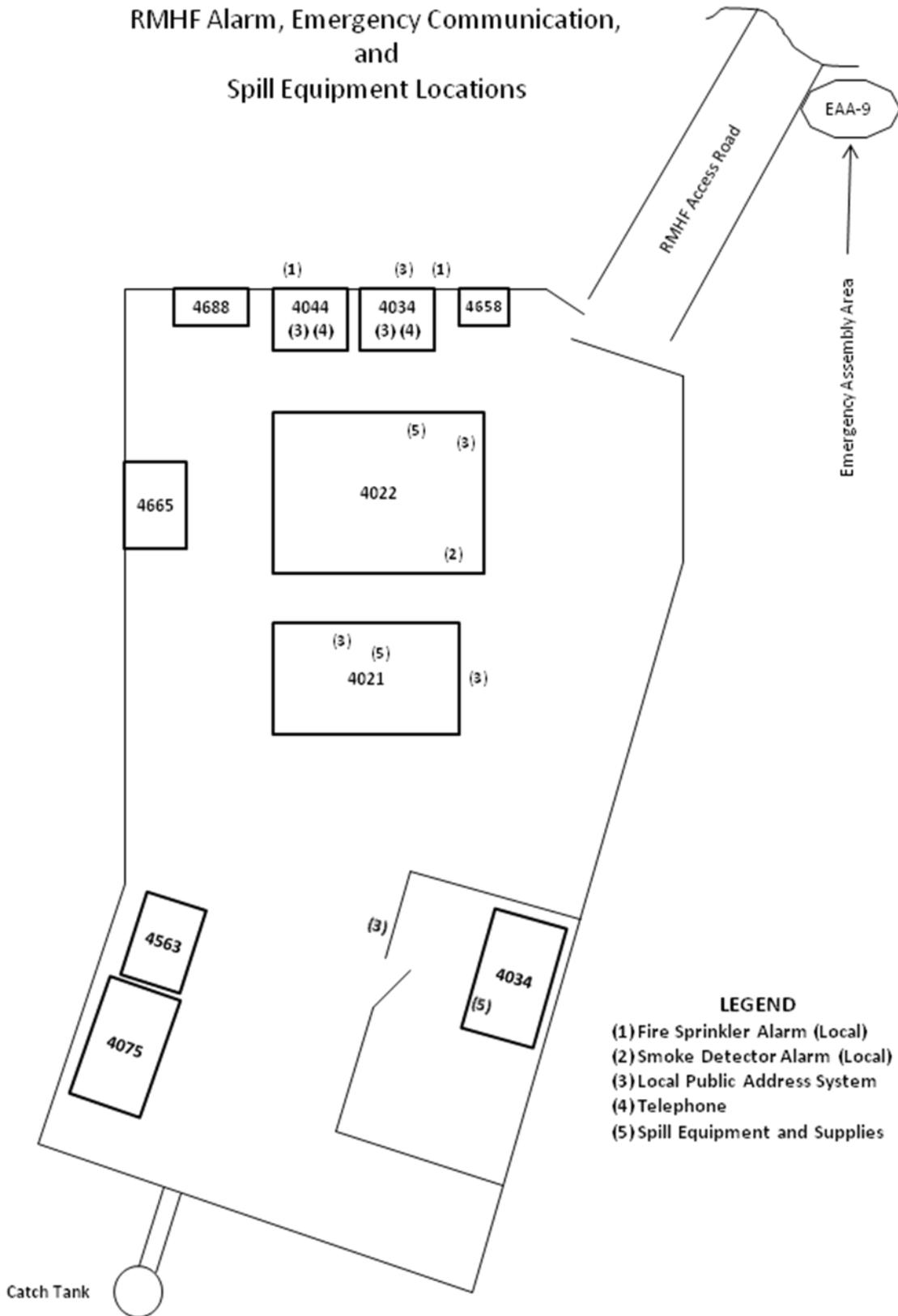


Table 6
Alarms at the RMHF

Alarm Type	Local Location and Type	Alarm Location	Description	Action
Portable Air Monitor	Bell and blinking red light on monitor (location dependant on work area)	Local	Continuous Air Monitor (CAM) Monitors airborne radioactive particulates at the work location. (CAMS are not routinely used in safe shutdown mode yet remain available if required).	Exit area and contact HP. Reenter only with concurrence of HP
Radioactive Exhaust Stack Monitor (CAM)	Bell and blinking red light on monitor at base of stack	Local	Monitors B/4021exhaust from High Efficiency Particulate Air (HEPA) filters. (The facility is in a safe shutdown mode with no ongoing operations that could generate airborne activity; therefore, the HEPA system and related stack monitor are shut down).	Contact HP
Blowers No. 4 or No.5	Buzzer	Local	Buzzer will sound when power to blower(s) is lost	Exit B/4021 contact PIC and/or HP
Fire Sprinkler	Bell on riser	Local	Bell rings with local water flow alarm	Evacuate building and call BCC