ORDER

AC 1050.4A

Spill Prevention and Response Plan

October 14, 2003

DEPARTMENT OF TRANSPORTATION

Distribution: A-Y-3: All tenants –2; All contracting officers, AMQ

Initiated By: AMP-100A

RECORD OF CHANGES

DIRECTIVE NO. **AC 1050.4A**

CHANGE TO BASIC	SUPPLEMENTS			OPTIONAL	CHANGE TO BASIC	SUPPLEMENTS			OPTIONAL

FOREWORD

This order prescribes responsibilities and procedures for prevention of and response to spills of petroleum products, hazardous materials, and hazardous wastes. The responsibilities described here are applicable to all government employees, contractors, and others who may be assigned to or working at the Mike Monroney Aeronautical Center.

Lindy Ritz
Director, Aeronautical Center

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CHAPTER 1. GENERAL

1. PURPOSE. This plan implements various U.S. Environmental Protection Agency (EPA), State and local regulations for preventing oil, hazardous substances, and hazardous waste from entering the environment from the FAA Mike Monroney Aeronautical Center. It provides information and procedures for protecting people and property in the presence of a spill. It is not, however, intended to cover those spills which are entirely contained within the work place, although the procedures and contingency actions described may be useful for that purpose.

2. DISTRIBUTION. This order is distributed to branch level at the Aeronautical Center; division level for all tenants; and to contracting officers who shall provide copies to major contracting elements at the Aeronautical Center. It is of interest to all personnel involved in the handling of oil (petroleum products) and hazardous substances who need to know what to do in the event of a spill.

3. CANCELLATION. Order AC 1050.4, Spill Prevention and Response, dated November 9, 1990, is canceled.

4. EXPLANATION OF CHANGES.

a. Paragraph 31, SECONDARY CONTAINMENT, now requires that all 55 gallon and larger above-ground storage containers holding liquid chemical or petroleum products, wastes, or animal fats and greases be equipped with secondary containment. This implements 40 CFR 112.7(c) and 112.8(c)(11) for petroleum products and helps to ensure spill protection for bulk chemical storage containers.

b. Paragraph 39, TRAINING, now requires training and an annual briefing for all personnel who handle oil (see definition). This implements 40 CFR 112.7(f).

c. Paragraph 42.a.(4), changes the phone number for emergency notification of a spill to x43444 instead of x2444. Also, the “911” number will no longer be used for reporting spills or other emergencies. The reason for this is to ensure that all emergency notifications are first routed through the Center contract security office.

d. Paragraph 46.d.(1), changes the first alternate on-scene coordinator from the Manager, AMP-300,to the Manager, AMP-100.

e. Appendix 2, Figure 1, has been updated to include new storage sites or changes to existing ones.

f. Appendix 4, SITE SPECIFIC CONTINGENCY PLAN – HAZARDOUS WASTE STORAGE FACILITY, has replaced the contingency plan for the Special Purpose Building, which is no longer used to store hazardous waste.

5. REVIEW AND AMENDMENT INSTRUCTIONS.

a. Review Frequency and Conditions. This Spill Prevention and Response Plan (SPRP) will be reviewed, at a minimum, annually and amended as required. Other circumstances which will warrant a review and update are listed as follows:

(1) When facility changes occur which increase the potential for spills or change the spill prevention and response procedures, methods and equipment.

(2) When the SPRP fails or proves to be ineffective in the prevention of or response to a spill event.

(3) At the request of the EPA or state pollution control authorities.

(4) When changes occur in the on-scene coordinator (OSC) or spill response team (SRT) or spill response equipment list.

(5) After enactment of, or amendment to, pertinent Federal, or state legislation, or changes in DOT or FAA policy. Particular attention should be given to changes in reportable spill quantities.

(6) After pertinent modifications of Federal, regional, and state contingency plans.

(7) After any changes in adjacent land and water use that would affect spill prevention and response considerations.

(8) At the request of the Mike Monroney Aeronautical Center Environmental Network.

b. Content of Review. The Environmental Network will conduct reviews utilizing the same procedures used in the initial plan development of the document. The review will include detailed inspection of oil and hazardous substance sites and verification of all data generated during the initial plan development. When possible, a professional engineer will take part in these inspections.

c. Review Follow Up. The Environmental Network will be responsible for monitoring any corrective actions and amending the SPRP when necessary. The review of the SPRP and any resulting amendments or changes to the plan will be logged in the Record of Changes. If amendments or changes significantly affect the Spill Prevention Control and Countermeasures Plan (SPCCP) portion of the plan (appendix 2), the plan must be recertified by a professional engineer.

6. BACKGROUND. The EPA Oil Pollution Prevention Regulation (40 CFR Part 112) requires preparation and implementation of a SPCCP. The EPA, under the Resource Conservation and Recovery Act (RCRA), also requires that a hazardous waste spill prevention contingency plan be available for use. Furthermore, release reporting and response is also required under the provisions of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This SPRP incorporates SPCC, RCRA, and CERCLA requirements together into a comprehensive document. The purpose of this plan is to ensure that proper oil, hazardous substances, and hazardous waste spill prevention actions are taken to minimize the chances of such materials from being released into air, soil, or groundwater or from entering the navigable waters of the United States or its adjoining shorelines and to provide for required notification of and response to those spills which do occur.

7. DEFINITIONS.

a. Contingency Plan. A document setting out an organized, planned, and coordinated course of action to be followed in case of a fire, explosion, or release of hazardous substance which could threaten human health or the environment.

b. Discharge. Includes, but is not limited to, any spilling, leaking, pumping, pouring, emitting, emptying, or dumping of oil, hazardous substances, or hazardous waste, whether done accidentally or intentionally.

c. Environmental Coordinator. Any environmental engineer, specialist or technician within AMP-100A trained in spill prevention and response techniques who may be assigned to oversee response to a particular spill event.

d. Environmental Network. Mike Monroney Aeronautical Center Environmental Network.

e. Hazardous Substance. Broadly speaking, an element or compound, other than oil, which when released into the environment, presents an imminent or substantial threat to the public health or welfare, or any substance that could cause a hazard to personnel exposed to it. This includes hazardous wastes and hazardous air pollutants.

f. HMC. Organization Hazardous Material Coordinator. See AC Order 3900.21E.

g. Oil. Oil of any kind or in any form, including but not limited to petroleum, fuel oil, sludge, oil refuse and oil mixed with wastes other than dredged spoil. This includes gasoline, jet fuel, diesel, naphtha, etc., as well as other less distilled oils.

h. OSC. On-scene coordinator for emergency spill response. Person responsible for directing and coordinating all spill response actions. Also responsible for emergency coordinator duties as required under RCRA.

i. Potential Spill. Any accident or other circumstance which threatens to result in the discharge of oil, hazardous substance, or hazardous waste. A potential spill shall be classified as to its severity based on the criteria for actual spills.

j. Regional Response Center (RRC). The RRC is the regional site for pollution control response activities. Mike Monroney Aeronautical Center is in Region VI with headquarters at the EPA, Dallas, Texas.

k. Regional Response Team (RRT). The RRT serves as the regional body for planning and preparedness actions before a response action is taken and for coordination and advice during such action. The RRT consists of regional representatives of the participating agencies and representatives of state governments (and local governments as agreed upon with states).

l. Spill Response Team (SRT). The SRT is a designated team to conduct containment, countermeasures, cleanup, and disposal in the event of a spill or pollution incident. The Mike Monroney Aeronautical Center SRT will be composed of personnel assigned to the Aeronautical Center and will reflect insofar as possible the manpower and skills necessary to handle most facility spills.

8. REQUESTS FOR INFORMATION. Requests for information regarding this plan should be directed to the Environmental and Safety Staff (AMP-100A) at the Aeronautical Center.

9. FORMS AND REPORTS. Refer to appendices 8 and 10 for forms and reports pertaining to inspections and reporting of spills.

10. AUTHORITY TO CHANGE THIS ORDER. The Program Director, Office of Facility Management (AMP-1) may issue changes to this order necessary to implement and manage the spill prevention and response system. The Director, Aeronautical Center (AMC-1) reserves the authority to approve changes that establish policy, delegate authority, or assign responsibility.

11.-19. RESERVED.

CHAPTER 2. PLAN IMPLEMENTATION

20. TWO PART PROGRAM. This plan will be implemented in a two-part program. The first part is the Spill Prevention Control and Countermeasures Plan (SPCCP) taken to prevent and contain a spill. This plan is described in chapter 3. The second part is the Oil and Hazardous Substance Contingency Plan (OHSCP) which describes actions to be taken in the event of releases, accidents, and spills involving oils or hazardous substances. These include spill detection, reporting, containment, cleanup, and disposal procedures. This plan is described in chapter 4.

21. SPCCP. The SPCCP portion of the document primarily pertains to spill prevention and includes a discussion of the major types of spill prevention procedures, methods, and equipment incorporated into Aeronautical Center facilities. Since spill prevention is an ongoing concern, this portion of the plan is implemented continuously.

22. OHSCP. The contingency plan portion of the document specifies procedures to be followed when responding to releases, accidents, and spills involving oils or hazardous substances. These include spill detection, reporting, containment, cleanup, and disposal procedures. The plan should be implemented in conjunction with the latest edition of Order AC 1900.12, Aeronautical Center Emergency Operations Plan, in the event that circumstances warrant implementation of the operations plan.

23. SPILL RESPONSE. IN THE EVENT OF A SPILL OF OIL OR A HAZARDOUS SUBSTANCE, concerned parties should refer directly to chapter 4 for general response procedures and to appendix 2 for site-specific information. This appendix provides relevant site descriptions including location, maximum spill quantity, probable spill route, and secondary containment. In addition, site-specific contingency plans for hazardous waste storage sites are found in appendix 4.

24.-29. RESERVED.

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CHAPTER 3. SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN

30. GENERAL. The purpose of the Spill Prevention Control and Countermeasures Plan (SPCC) is to support the EPA and Oklahoma pollution control authorities by developing appropriate measures to upgrade existing oil, hazardous substance, and hazardous waste storage and handling facilities; thereby reducing the potential damage from oil, hazardous substance, and hazardous waste spills. Spill prevention control and countermeasure procedures, methods, and equipment have been developed and implemented for all Mike Monroney Aeronautical Center oil and hazardous substance storage and transfer areas. The general mechanisms of spill prevention that are practiced at the Center are briefly discussed below. The specific spill prevention mechanisms associated with each facility having a potential for a "reportable spill" are summarized in appendix 2.

31. SECONDARY CONTAINMENT. Secondary containment is the physical containment or capture of a spill thus preventing or limiting its release to the environment. Examples include: dikes, curbs, oil/water separators, drip pans, and collection systems. Additional examples may include remote secondary containment such as floating booms and flow diversions utilizing basins, sumps, ponds, etc. All 55 gallon and larger above-ground storage containers holding liquid chemical or petroleum products or wastes or animal fats and greases, must be equipped with secondary containment sufficient to hold the entire contents of the largest container and sufficient freeboard to contain precipitation. (Refer to appendix 2, figure 5.)

32. VISUAL INSPECTIONS. Visual inspections consist of touring or patrolling the potential spill site to detect spills, evidence of spills, or other conditions that could result in a spill (refer to appendix 2, figure 8). These include routine inspections performed by the operating and supervisory personnel and detailed inspections performed by members of the Environmental Network, one of which shall be a registered professional engineer who can certify the plan. Routine inspections to be performed and reporting requirements are described in detail in appendix 8. In general, these inspections are as follows:

a. The Environmental and Safety Staff (AMP-100A) will inspect the temporary (90 day) hazardous waste storage building at least weekly for leakage.

b. All organizations will inspect all other storage and operating facilities containing petroleum products and hazardous chemicals annually using the forms shown in appendix 8. This inspection shall include updating the organization’s hazardous material/petroleum product inventory. Completed inspection forms shall be turned in to AMP-100A by January 31 of each year.

c. AMP-100A will conduct a detailed inspection every 3 years of all facilities and equipment used to store, handle, dispose of, or consume oil or other hazardous substances using the site data sheets shown in appendix 8. This information will be used to update the tables in appendix 2 and to develop a list of projects required to prevent the day-to-day loss of potential pollutants and to eliminate the potential for spills.

33. PREVENTIVE MAINTENANCE. Preventive maintenance, as a part of the SPCC program, involves the periodic lubrication, adjustment, and replacement of worn parts in all equipment where equipment failure could result in a spill of oils or hazardous substances, or impede response efforts. This includes the implementation of all standing operating procedures (SOP) and reoccurring maintenance programs (RMP) for the specific areas (refer to appendix 2, figure 9). AMP-100A, in coordination with the Environmental Network, will review operating procedures for facilities or equipment that store, handle, or consume oil, hazardous substances, or hazardous waste. This review will ensure that procedures are designed to minimize the loss of potential pollutants in day-to-day operations and the potential for a spill, and to establish a method of maintaining records on the circumstances and corrective action taken for nonreportable spills. Unacceptable procedures will be referred back to the appropriate program office for revision.

34. HOUSEKEEPING. Good housekeeping is the practice of maintaining a clean orderly work environment; thereby reducing the possibility of accidental spills caused by mishandling of equipment and materials and facilitating the detection of spills and leaks. (Refer to appendix 2, figure 10.)

35. MATERIAL COMPATIBILITY. Material compatibility refers to the compatibility of oil and hazardous substances with the materials of construction that store or transport them; compatibility of storage or transfer devices with their environment; and compatibility of different substances upon mixing. (Refer to appendix 2, figure 11.)

36. SECURITY. Security involves the deterrence of unauthorized, unknowing, or accidental entry of personnel, animals, or vehicles into potential spill areas when such entry could result in the damage or misuse of equipment containing or conveying oils or hazardous substances. (Refer to appendix 2, figure 12.)

37. MONITORING. Monitoring entails the prevention of oil and hazardous substance spills by observing operational conditions that could indicate or result in a spill and early detection of existing spills by monitoring environmental conditions (refer to appendix 2, figure 13). Secondary or backup monitoring should be used where acute health hazards are involved.

38. SIGNS. All organizations shall post signs in any area where chemicals are used or stored giving directions to be followed should a spill occur. Each organization will be responsible for obtaining its signs. Appendix 12 shows an example sign.

39. TRAINING. All organizations shall ensure that personnel handling oil (see definition) are trained in the operation and maintenance of equipment to prevent discharges; discharge procedure protocols; applicable pollution control laws, rules and regulations; general facility operations and this SPCC plan. These personnel shall be briefed annually to assure adequate understanding of the MMAC SPCC plan. Response training for spill response personnel is addressed in Chapter 4.

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CHAPTER 4. OIL AND HAZARDOUS SUBSTANCE CONTINGENCY PLAN

40. GENERAL. This plan supports the National Oil and Hazardous Substances Pollution Contingency Plan (OHSCP) and Resource Conservation and Recovery Act (RCRA) requirements for a hazardous waste contingency plan. It designates the procedures to be followed in the event of releases, accidents, and spills involving oils or hazardous substances and the organizations, personnel and equipment responsible for carrying out the response functions.

a. Response actions will vary because of the diversity of materials stored at the Mike Monroney Aeronautical Center and the variable severity of the hazards presented in the event of a spill. General procedures are outlined in the following sections. These procedures should be reviewed and, if necessary, updated prior to adopting courses of action in a particular situation. Figures 1 and 3 in appendix 2 and maps in appendix 9 should be consulted with regard to the reportable spill quantities, probable spill routes, and contingency actions. If a site-specific contingency plan exists for the spill area in question, it will be noted in the contingency action column of appendix 2, figure 1, and should be referred to in appendix 4. It should be noted that this plan deals primarily with solid and liquid phase pollutants. Releases of gaseous substances, because of their rapid dispersion and often highly hazardous nature should be dealt with in accordance with the latest edition of Order AC 1900.12, Aeronautical Center Emergency Operations Plan.

b. The following pages of this chapter are divided into two parts: (1) Plan Execution (paragraphs 41 through 45) and (2) Response Organizations (paragraph 46).

41. FOUR-PHASE RESPONSE. In general, response to a pollution spill at the Mike Monroney Aeronautical Center will be performed according to a FOUR-PHASE PROGRAM. Phase I designates the initial spill response procedures to be followed by any individual discovering a spill or potential spill of oil or hazardous substances. It also designates the procedures to be followed by various organizations within the Office of Facility Management (AMP) in providing rapid notification of the spill to the proper on-Center personnel and organizations. Phase II then designates the general response actions to be taken by the on-scene coordinator (OSC) in containing, cleanup, and restoring the spill site. Phase III pertains to recovery of damages and enforcement. Phase IV describes training to be conducted.

42. PHASE I - SPILL DISCOVERY AND INITIAL NOTIFICATION. This phase covers actions taken to discover, locate, characterize, and report the spill.

a. Any person recognizing an oil, hazardous substance, or hazardous waste spill shall immediately:

(1) Activate emergency alarm system, if any.

(2) Evacuate the area, if warranted by the type of spill.

(3) Make sure that all employees shut down their operations and secure their equipment, if it can be done safely.

(4) Call security, extension 43444, (off-Center call 954-3444), and give the type, location, size of spill, and name of individual reporting).

(5) Inform the supervisor, section foreman, or manager.

(6) Contain the spill, if it can be done safely.

(7) Perform cleanup operations within the organization's capabilities and assist the fire department upon its arrival.

(8) Ensure that an employee roll call is conducted to discover whether any personnel are trapped in the affected area.

(9) Any member of the general public or outside agency may give formal notification of a pollution spill or a potential spill at the Mike Monroney Aeronautical Center by writing a letter to AMP-1, or by calling 954-4572. The OSC will then take action and make formal reports and notifications to the Director, Aeronautical Center (AMC-1).

b. Security guard dispatcher will notify:

(1) The Operations Center Operations Officer, AMP-106.

(2) If medical assistance is needed, Emergency Medical Services Authority (EMSA).

(3) In the event of fire or explosion, the Oklahoma City Fire Department.

(4) Manager, Facility Operations and Maintenance Division (AMP-300).

c. Operations Center Operations Officer will notify:

(1) The Program Director, AMP-1 (primary OSC).

(2) Environmental Coordinator, Environmental and Safety Staff (AMP-100A).

d. The Program Director, AMP-1, upon determining that the Aeronautical Center Emergency Operations Plan must be implemented or that outside assistance is required, will authorize the Operations Center Operations Officer (AMP-106) to notify:

(1) Director, AMC-1. AMC-1 will also be notified whenever the following occur:

(a) Chemical spills of one or more gallons of any material having an NFPA code of “2” or higher.

(b) All oil/solvent/petroleum materials spills of more than 10 gallons.

(c) All injuries due to chemicals or hazardous waste.

(2) Public Affairs Staff (AMC-5).

(3) Civil Aviation Security Division (AMC-700).

(4) Off-site spill response organizations, as appropriate (see appendix 1).

(5) City-County Civil Defense Center and Manager of the City of Oklahoma City if areas outside the Aeronautical Center are or may be affected.

43. PHASE II - SPILL RESPONSE ACTIONS.

a. In the event of a spill of oil or hazardous substances, the OSC will be responsible for directing and coordinating all spill response actions. The OSC or his/her designee will maintain an incident log detailing all actions taken during the course of the pollution spill response. The format to be used for this log is shown in appendix 10. A copy of the incident log will be provided to the Environmental Coordinator (AMP-100A).

b. Spill response actions under the responsibility of the OSC are as follows:

(1) Activate or authorize action of appropriate members of the Spill Response Team (SRT) (see the list in appendix 1) based on information relayed during initial notification or information provided by The Environmental Coordinator (AMP-100A), and immediately investigate the reported spill.

(2) Determine the source, type, and approximate quantity of spilled substance and take appropriate action to stop the source of the spill if it is still occurring.

(3) Direct the Environmental Coordinator (AMP-100A) to take samples to determine the chemical nature, pollutant concentration, and extent of the spill as required for response actions and documentation.

(4) Evaluate the magnitude and severity of the threat to public health, welfare, and natural resources. Material Safety Data Sheets, available through the organization HMC or AMP-100A, should be utilized as required to determine potential health, air, and pollution effects associated with the spilled material.

(5) Take appropriate safety precautions to protect response personnel and any additional personnel located in close proximity to the probable spill route. Contract security guard personnel will be utilized for implementing evacuation or traffic control measures.

(6) Determine the party responsible for the spill, if other than the FAA. The responsible party should be informed of the spill and their response action evaluated by the facility OSC. If their response actions are inadequate in the judgment of the OSC, they should first be informed of their financial liability, and then if their spill response actions remain inadequate, the OSC should assume control of the spill response. In all response actions involving parties other than the FAA, the Aeronautical Center Counsel's office (AMC-7) shall be informed. If a contractor is involved with a spill, the contracting office should be notified.

(7) Initiate spill containment procedures. The primary concern is to confine spills as close to their source as practical and, if at all possible, prevent spills from leaving Aeronautical Center property. In accomplishing this task, the OSC should refer to the following sources of information contained in this document:

(a) Appendix 2 for maximum potential spill quantities, available secondary containment, probable spill routes, and general contingency actions.

(b) Appendix 4 for site-specific contingency plans when the existence of such a plan is stated under "Contingency Action" in appendix 2.

(c) Appendix 6 for spill response equipment inventory and location of equipment.

(d) Appendix 9 for maps to assist in the determination of probable spill routes, access to the spill sites, location of remote secondary containment, and spill containment areas.

(e) Material Safety Data Sheets available through the respective organizational Hazardous Materials Coordinator (HMC) for the health hazards, fire hazards, pollution potential, physical and chemical properties of the spilled material.

(f) Appendix 11 for a list of spill response contractors and their capabilities.

(8) Determine if a reportable spill has occurred. Appendix 2 includes reportable spill criteria for the substances identified on-Center as potential reportable spill substances.

(9) Telephonic notification of the following Federal and state agencies must be made promptly following determination of a reportable spill.

(a) National Response Center (NRC)	(800) 424-8802
(b) Regional Response Center (RRC) (if NRC unavailable)	(214) 767-2720

(c)	Oklahoma Department of Environmental Quality (For hazardous waste spills, a written statement is also required within 15 days.)	(800) 522-0206
(d)	Oklahoma Corporation Commission (Petroleum product spills relative to underground storage tank management greater than 25 gallons.)	(405) 521-3107
(e)	Oklahoma City Water Department (For spills into the sanitary sewer system.)	(405) 297-3334 (24 hours)

(10) Advise AMC-5 of the size and nature of the spill, response actions, and whether or not unfavorable publicity is expected.

(11) Initiate cleanup actions. Pollutants shall be collected to the maximum extent possible.

(a) Immediately after an emergency, arrangements shall be made for treatment, storage, or disposal of recovered waste, contaminated soil, surface water, or any other contaminated material. If contractor assistance is required to implement treatment, storage, or disposal decisions, the contracting officer will be contacted.

(b) Petroleum, hazardous pollutants and absorbent material shall be placed in 55-gallon drums (40 CFR 172.101 or 102), labeled, turned in to the Environmental and Safety Staff (AMP-100A) for eventual disposal in accordance with RCRA requirements. Organizations shall furnish AMP-100A a MSDS on each spilled substance they are turning in. This should be done whether the substance is in a raw state or has been mixed with absorbent or similar material.

(c) Incompatible waste shall not be treated, stored, or located in affected areas until cleanup procedures are completed and approved by the OSC.

(d) Hazardous materials shall not be kept in waste piles or surface impoundments at the Aeronautical Center.

(12) Officially classify oil spills using the following definitions:

(a) Minor discharge. Minor discharge means a discharge to the inland waters of less than 1,000 gallons of oil; or a discharge to the coastal waters of less than 10,000 gallons of oil.

(b) Medium discharge. Medium discharge means a discharge of 1,000 to 10,000 gallons of oil to the inland waters; or a discharge of 10,000 gallons to 100,000 gallons of oil to the coastal waters.

(c) Major discharge. Major discharge means a discharge of more than 10,000 gallons of oil to the inland waters; or more than 100,000 gallons of oil to the coastal waters.

(d) Reclassification of Minor Spills. A spill normally classified as minor, will be reclassified as medium or major depending upon the degree of impact, if it occurs in or endangers critical water areas; generates critical public concern; becomes the focus of an enforcement action; or is a threat to the public health or welfare.

(13) On completion of cleanup operations a "closeup" report will be submitted. This report must be submitted in letter format within 30 days to the Oklahoma Department of Environmental Quality. In addition, the report must be submitted within 60 days of a "major" oil spill to the National Response Team and the Regional Response Team; within 60 days of a 1,000 gallon oil spill or two (2) reportable oil spills in 12 months to the Regional Administrator of EPA; within 60 days of a reportable spill of Clean Water Act Section 311 substances to the Regional EPA Enforcement Division Director; and within 15 days of a spill of hazardous waste requiring the implementation of the SPR Plan to the Regional Administrator of EPA. These reports should contain all of the information listed below.

(a) Name and address of installation and/or owner.

(b) Name and telephone number of OSC.

(c) Incident report (initial, second, third, final).

(d) Date, time, and type of incident (e.g., fire, explosion).

(e) Time of official spill notification to the NRC and other regional and state officials.

(f) Location of the incident and the nature of the terrain at the location, to include surface and subsurface drainage characteristics and relationships to water bodies (estimate extent of area affected such as miles of stream or acres of lake).

(g) Weather conditions and how they affected response action.

(h) Cause of incident.

(i) Type and estimated amount (barrels, gallons, pounds) of pollutant and the official size classification (minor, medium, major).

(j) Actual damage and/or potential threat to human life, to property (private, state, or Federal), and to plant or animal life.

(k) Extent of injuries, if any.

(l) Corrective action taken to eliminate pollution source.

(m) Corrective action taken to remove pollutant.

(n) Assistance required.

(o) Estimated completion date of remedial actions and anticipated effectiveness.

(p) Estimated quantity and disposition of spill material and contaminated soil.

(q) Confirmation that emergency response equipment is back in operation before resuming operating activities.

(r) Description of any problems encountered during implementation of the SPR Plan and an explanation of how the Spill Prevention and Response Plan was, or will be, modified to prevent the recurrence of the spill event.

(s) Anticipated or actual reaction by the news media and public to the incident.

(t) A copy of this SPR Plan if requested.

(14) Assess damage caused by the spill and initiate efforts to restore the environment to its prespill condition. This includes such actions as resodding areas damaged by a spill, restocking fish in affected streams, etc.

(15) Ensure that emergency equipment is restored to full operational status by emergency crews.

(16) The OSC, assisted by two other qualified persons from affected organizations, will investigate the cause of the emergency and take steps to prevent a recurrence of such or similar incidents.

44. PHASE III - RECOVERY OF DAMAGES AND ENFORCEMENT. This phase includes the recovery for damage done to Federal property and the collection of scientific and technical information.

a. For FAA-caused spills, the Mike Monroney Aeronautical Center is responsible for all recovery, cleanup, and restoration costs for spills caused by the Aeronautical Center. If the cleanup is accomplished by another Federal agency, the Center is responsible for reimbursing that agency.

b. For non-FAA spills, where the Mike Monroney Aeronautical Center furnishes assistance to the Regional Response Team (RRT), the Center would furnish assistance, providing mission capability is not degraded. Reimbursement for expenditures would be sought from the organization requesting the assistance.

c. Enforcement. The FAA will refer any enforcement actions to the appropriate RRT for their determination of responsibility and requirement for legal actions.

d. Scientific and Technical Information. All data and samples collected during a spill response will be assembled by the OSC and made available to the scientific community or to the RRT for use in enforcement or legal actions.

45. PHASE IV - TRAINING. This phase includes training of spill response personnel.

a. The Manager, AMP-100, will ensure the training of personnel within his/her Division who serve as alternate on-scene coordinator or perform other spill response duties.

b. All organizations will assure that personnel within storage areas of sections/units where there is a potential for chemical emergencies are aware of this plan and are prepared to act in accordance with this plan.

c. The Environmental and Safety Staff (AMP-100A) will appoint an exercise team to be responsible for conducting a spill exercise at least annually. An actual spill may be substituted for an exercise.

46. RESPONSE ORGANIZATIONS.

a. General. The OSC is the individual assigned the responsibility for directing and coordinating all spill response actions. The OSC will have the authority to utilize the expertise and resources of the SRT in determining and performing response actions. Deployment of the SRT will be activated only if called by the OSC or his/her designee. The deployment of the SRT is effected to provide a coordinated response to contain, control, recover, and restore the environment from all spills. Appendix 1 summarizes all Center telephone numbers used for contacting these organizations. Off-duty telephone numbers are maintained by the primary and alternate OSC's and Center Security. Appendix 7 summarizes all off-Center response organizations along with their telephone numbers. The personnel assigned to the SRT and their designated responsibilities are discussed in the following paragraphs.

b. Program Director, AMP-1, will:

(1) Act as primary OSC responsible for directing and coordinating all spill response actions (see paragraph 43.a.).

(2) Within his/her capability, provide personnel and equipment (through AMP-300) for spill containment, control, and cleanup due to spills of oils and hazardous substances that exceed the capability of the facility organization responsible for the spill.

(3) Approve supply and equipment requests relative to this plan.

(4) Ensure AMP representatives of the SRT are properly trained and equipped.

(5) Take actions necessary to minimize or eliminate potential for a spill.

(6) Sandbag or otherwise close off storm drains in the vicinity before washing down fuel jettisoned or spilled onto the runways, taxiways, or hangar bays or whenever a spill occurs which may enter the storm drainage system.

(7) In the event of an aircraft fuel jettison or spill, go to the scene and take action to control fire, or the potential for fire.

(8) Secure the area and prevent unauthorized personnel from entering until security personnel arrive.

c. Manager, AMP-100, will:

(1) Serve as first alternate on-scene coordinator (OSC).

(2) Provide an environmental engineer/planner to furnish technical expertise relative to pollution control techniques.

(3) Designate an environmental coordinator to serve as second alternate OSC.

(4) Provide technical services relative to support of this plan, including assisting in determining the extent of contamination and whether the area is safe for personnel to return to their work stations.

(5) Maintain equipment listing of defueling trucks, absorbent materials, containment booms, earthmoving equipment, etc.

d. Manager, AMP-300, will:

(1) Provide personnel for spill containment, control, and cleanup as requested by the OSC.

(2) Coordinate activities of Division personnel and the FAA maintenance contractor in the fighting of fires until outside help arrives.

(3) Be responsible for shutting off gas and electricity and building heating and air conditioning (HVAC) in an emergency and restore service when conditions allow.

(4) Prepare operating instructions as required to support this plan to include as a minimum containment, countermeasure, cleanup, disposal actions and equipment required.

(5) Maintain and requisition required equipment and supplies.

(6) Ensure that AMP-300 personnel attend required training.

e. Battalion Chief, Oklahoma City Fire Department, when notified of a spill or a condition indicating a spill is imminent, will act as OSC with respect to first-responder actions such as fire suppression and emergency rescue. Reporting responsibilities will be carried out by the environmental coordinator, AMP-100A.

f. Contract security guard personnel will:

(1) Make the telephonic notifications indicated in paragraph 42.b.

(2) Complete AC Form 1050-3, Spill Log, (see appendix 10) and forward a copy of the log to the environmental coordinator, AMP-100A.

(3) Provide assistance in support of this plan to:

(a) Assist the fire department as needed.

(b) Cordon the area and control personnel movement as necessary.

g. Operations Center Operations Officer (AMP-106) will:

(1) Make the telephonic notifications indicated in paragraph 42.c.

(2) Receive status reports from the OSC as appropriate.

h. Environmental and Safety Staff AMP-100A will:

(1) Receive written reports from security personnel within two (2) working days of incident.

(2) Assist management with conducting inspections, as necessary, for incidents involving spills.

(3) Serve as the hazardous waste collection/disposal organization for the Aeronautical Center.

(4) Determine when a material is to be classified as a hazardous waste.

(5) Ensure that the site-specific contingency plan for hazardous wastes stored in the Hazardous Waste Storage Building (see appendix 4) is kept up-to-date and posted.

i. Office of Human Resource Management (AMH-1) will receive information from the Operations Center, AMP-106, and take appropriate action to record casualty data, notify next-of-kin, and render assistance to families of any casualties.

j. Public Affairs Staff (AMC-5) will receive information from AMP-106 if any buildings are evacuated, or if there are any treatable injuries due to the spill/accident. It will determine what information releases, if any, are to be made to the public.

l. Off-Center Organizations. Since the Aeronautical Center has no hazardous material response team, it currently must rely on the Will Rogers Airport Fire Department and the Oklahoma City Fire Department to provide first responder support in the event of a spill or release resulting in or which may result in fire, explosion, or serious injury. In addition, the Aeronautical Center has made arrangements for assistance in emergency situations with the following organizations: Integris Southwest Medical Center, Oklahoma City Police Department, and Department of Airports, Will Rogers World Airport. A copy of the Spill Prevention and Response Plan has been submitted to each organization. The Oklahoma City Fire Department visits the site periodically to review Aeronautical Center operations.

m. Some other significant off-Center spill response resources that can be incorporated into the SRT, as needed, are discussed in the paragraphs below. A current listing of telephone numbers to be used to contact these organizations is presented in appendix 7.

(1) RRT. Planning and response resources available under the National Oil and Hazardous Substances Contingency Plan can be requested through the EPA cochairman of the RRT, or the Region VI RRC.

(2) State of Oklahoma Response Team. The State of Oklahoma Response Team is lead by the Oklahoma Department of Environmental Quality (ODEQ) and consists of representatives of various State agencies. The ODEQ may be contacted at 405-702-1000.

(3) Private Contractors. Private contractors are included in the response organization primarily to conduct cleanup and restoration work when Center resources are insufficient to conduct these activities. A list of current contracts is shown in appendix 11.

(4) The Chemical Transportation Emergency Center (CHEMTREC). CHEMTREC is a 24-hour hot line that provides warnings and limited guidance to the OSC when a spill product can be identified by either chemical or trade name. CHEMTREC will also assist the OSC in contacting the manufacturer or shipper for additional information. This service should be used whenever adequate spill response information is not available. The telephone number for CHEMTREC is 1-800-424-9300.

(5) The Chemical Hazards Response Information System (CHRIS) Manual. The CHRIS is an official publication of the U.S. Coast Guard that currently provides technical information and appropriate response procedures for over 1,000 different substances. The manual contains four volumes which are periodically updated.

(6) The Hazardous Material Information System (HMIS). The HMIS is a computerized information retrieval database on various hazardous substances. The database contains chemical, biological, toxicological, and response information on more than 1,000 chemicals and can be accessed in a great number of ways, including chemical or trade names, manufacturer's name, national stock number, etc. The HMIS should be considered for both spill response planning and as a source of vital information during a spill response. HMIS databases

are maintained by AMP-100A.

47. REVIEW AND OVERSIGHT.

a. Environmental Network. The Environmental Network is responsible for reviewing the SPR Plan prior to its promulgation and prior to finalization of any modifications occurring during the annual review and update of the plan. The Environmental Network will develop pollution abatement policy guidance, monitor implementation of this plan and other pollution abatement directives, and ensure that supporting procedures by responsible organizations are published.

b. Environmental Planning Function. The development, review, and update of the SPR plan is the responsibility of AMP-100A.

c. Tasked Managers and Staff Representatives. It is the responsibility of the tasked managers and staff agency heads to publish such procedures that are necessary for implementing this plan, ensuring adequate training is conducted, and for ensuring that environmental protection/pollution abatement procedures are implemented in their areas of responsibility. This includes initiating and funding projects to correct deficiencies in oil, hazardous substance, and hazardous waste spill prevention and containment. They will designate additional project officers and monitors as required to ensure an effective program and continually inspect the work areas under their control to ensure that effective pollution abatement procedures are followed. They will also ensure that site-specific contingency plans developed for their particular areas are posted in prominent locations at the potential spill sites.

d. OSC. The OSC is the individual assigned the responsibility for directing and coordinating all spill response actions. The OSC will have the authority to utilize the expertise and resources of the SRT in determining and performing response actions. It is also the responsibility of the OSC to oversee that training programs regarding spill response activities are routinely conducted at the Aeronautical Center.

(1) The primary OSC for spills of oil or hazardous substances at the Mike Monroney Aeronautical Center will be the Program Director, AMP-1. The first alternate OSC will be the Manager, AMP-100, and the second alternate OSC will be the designated representative (environmental engineer/planner) from AMP-100A. These individuals are listed in appendix 1.

(2) SRT members, as designated in this order (see appendix 1), are tasked to respond to all spills when requested by the OSC and to perform spill containment, recovery, cleanup, disposal, and restoration activities as directed by the OSC.

e. Individuals Assigned or Working at the Mike Monroney Aeronautical Center. Each individual assigned or working at Mike Monroney Aeronautical Center is tasked to report any spill of oil or hazardous substance to contract security service personnel and to take every reasonable precaution to prevent the spillage of oil or hazardous substances. In addition, all contractors performing services on-Center will be notified prior to the initiation of the contract of their responsibilities to take every reasonable precaution to prevent the spillage of oil or hazardous substances and to report any spills of this nature to security personnel.

48.-50. RESERVED.

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APPENDIX 1. SPILL RESPONSE TEAM (SRT) ORGANIZATIONS

1. PURPOSE. In the event of a significant oil or hazardous substance spill requiring the activation of the SRT, the following personnel or organizations will be contacted as authorized by the Program Director, Office of Facility Management (AMP-1), Manager, Facility Services Division (AMP-100), or Environmental Coordinator (AMP-100A). The listing in this appendix requires routine updating to ensure all telephone numbers remain current. Radio notification may also be utilized in addition to telephone contacts. When dialing from off-Center, use the prefix 954 with the following Aeronautical Center extensions.

2. SRT ORGANIZATIONS AND PERSONNEL.

Person or Office	On-Duty Extension
Program Director, Office of Facility Management (AMP-1) (primary OSC)	44572
Manager, Facility Services Division (AMP-100)	43503
Environmental Coordinator (AMP-100A)	43503
Operations Center (AMP-106)	43583
Contract Security Guards	43444 (24 hours) Off-Center, dial 954-3444
Aeronautical Center Counsel (AMC-7)	43296
Public Affairs Staff (AMC-5)	47500
Environmental and Safety Staff (AMP-100A)	43503
Civil Aerospace Medical Institute Clinic (AAM-700)	43711
Civil Aviation Security Division (AMC-700)	43212

In the event of fire, explosion, serious injury, or other circumstances as determined by the OSC, the following **off-site organizations** may be called upon to assist with emergency response efforts:

Integris Southwest Medical Center (24 hours)		636-7326
Department of Airports, Will Rogers World Airport	(normal hours)	680-5311
	(24 hours)	680-3233
American Red Cross		232-7121

3. NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF PRIMARY ON-SCENE COORDINATOR AND ALTERNATES.

Primary On-Scene Coordinator (OSC):

Charles T. Sullivan, Jr.
2720 S.W. 116th Place
Oklahoma City, OK 73170
Home phone - (405) 691-5117
Cell phone - (405) 740-4820
Office phone - (405) 954-4572

First Alternate OSC:

Dana L. Moffatt
1600 S.W. 38th
Moore, OK 73160
Home phone - (405) 799-4846
Cell phone – (405) 226-2150
Office phone - (405) 954-5452

Second Alternate OSC:

James H. Long II
6417 Winfield Drive
Oklahoma City, OK 73162
Home phone - (405) 722-3484
Office phone - (405) 954-5430

APPENDIX 2. OIL AND HAZARDOUS SUBSTANCE SITE SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) SUMMARY TABLE

1. GENERAL. Figure 1 of this appendix lists all chemical, waste and petroleum product storage sites and is arranged alphabetically by facility name.

2. FIGURE CONTENTS. Figure 1 contains site description information, maximum spill quantities, and available information concerning reportable spill quantities, secondary containment features, probable spill routes, contingency actions, visual inspection procedures, preventive maintenance, housekeeping, material compatibility, security, and monitoring procedures specifically referenced for each facility. These references are described in the explanatory note figures following this appendix. Abbreviations used in the site summary figure and explanatory note figures are found in figure 2. An inventory list of substances stored at each location may be found in the “Plan Review and Update Report” which is maintained within the offices of the Environmental and Safety Staff, AMP-100A.

3. INSPECTION RESULTS. An inspection of all oil or hazardous substance storage facilities which have the potential for incurring a reportable spill defined by 40 CFR 110, 40 CFR 112, 40 CFR 117, Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and applicable State regulations was conducted at the Mike Monroney Aeronautical Center during 2002. (See appendix 8 for example site data sheet used.) The inspection included all facilities listed on the following figure except those facilities which do not have verification dates recorded. The information for these facilities was developed from interviews with Center personnel. If deficiencies in specific areas were detected during the site inspections, the deficiencies and corrective actions taken are noted in the "Plan Review and Update Report" which is maintained within the Environmental and Safety Staff, AMP-100A.

Appendix 2 – Figure 1
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
ACADEMY HQ BLDG. SE CORNER OUTSIDE, AST ATTACHED TO GENERATOR	D.6-4.4	DIESEL	125 gal A	125 gal	B-1	C-1	D-3	E-1	F-4	G-7	H-1	I-1	J-4	K-3	9/29/2005
AIR TRAFFIC BLDG RM 109	D.10-4.5	HM NHM	1 Qt F/N & smaller	1 Qt.	A-1	C-1	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	09/12/2005
AIR TRAFFIC BLDG, RM 124 (adjoins RM 131)	E.2 - 4.5	HM NHM OIL	16 oz F/N & smaller	16 oz	A-1	C-4	D-1	E-1	F-1	G-1	H-1 H-2	I-1	J-1	K-3	09/12/2005
ARB, MECHANICAL ROOM GENERATOR DAY TANK	F.3-6.2	DIESEL	25 gal C	25 gal	B-1	C-1	D-1	E-1	F-1 F-7	G-7	H-1	I-1	J-1	K-3	9/29/2005
ARB, RM 110B-1 (moved)	F.2 – 6.3	HM NHM	1 gal F/K/N & smaller	1 gal	A-1	C-4	D-4	E-1	F-4	G-1	H-1	I-2	J-1	K-3	10/19/2005
ARB BASEMENT, JANITORIAL SUPPLIES	F.1-5.8	NHM	32 oz F/M/N	32 oz	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/21/2005
ARB RM B-28, JANITORIAL SUPPLIES CONCENTRATE MIXING ROOM	F.3-5.8	HM NHM	1 ½ gal F/M/N	1 ½ gal	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/21/2005
ARB, RM B-09, JANITORIAL SUPPLIES FLOOR MAINTENANCE	F.4-5.8	NHM	5 gal F/N	5 gal	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/21/2005
ARB, UST	F.3 – 6.1	DIESEL	2500 gal UST	2500 gal	B-1	C-8	D-14	E-5	F-10 F-7	G-7	H-1	I-1	J-2	K-1 K-6	9/15/2005
ARSR-1/2, NW CORNER & FPS-66	D.7 – 6.2	HM NHM HW SAP OIL	55 gal drum & smaller F/N	55 gal	A-1 B-1	C-1 C-4	D-18	E-1	F-4	G-1 G-5	H-1 H-2	I-2	J-1	K-3	09/12/2005
ARSR-3, MAIN BLDG/TRAILER/RADAR	D.2 – 7.3	HM NHM	55 gal drum & smaller F/N	55 gal	A-1	C-1 C-4	D-13	E-1	F-4	G-1 G-5	H-1	I-2	J-1	K-3	09/12/2005

* See figures 2-13 for abbreviations and explanatory notes.
** See appendix 9 for site map
*** A complete, updated chemical inventory for each site is located in AMP-100A.
**** See figure 3 for container type codes

Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty. (gal.)	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
ARSR-3, UST	D.2 – 7.3	DIESEL	2500 gal UST	2500 gal	B-1	C-8	D-14	E-5	F-7	G-8	H-1	I-1	J-2	K-1 K-6	9/15/2005
ARSR-4, ENGINE SUPPORT, SW CORNER OF BUILDING	C.3 – 11.2	HM NHM OIL	5 gal F/N & smaller	5 gal	A-1 B-1	C-4	D-1	E-1 E-2	F-4	G-1	H-1 H-2	I-2	J-1	K-3	9/22/2005
ARSR-4, RM 114	C.3 – 11.2	HM NHM	5 gal F/N & smaller	5 gal	A-1	C-1 C-4	D-1	E-1	F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/10/2002
ASDE-3, RADAR LAB	H.5 – 3.2	HM NHM OIL	16 oz F/N & smaller	16 oz	A-1 B-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1	I-2	J-1	K-3	09/12/2005
ASDE-3 AML side	H.6-3.2	HM NHM	1 Pt & smaller	1 Pt	A-1	C-4	D-1	E-1	F-1	G-1	H-1	I-2	J-1	K-3	09/09/2005
ASR-7 MAPPER LAB	E.7-7.2	NHM	1 QT Can	1 Qt	A-1	C-4	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/12/2005
ASR-8, MAIN BUILDING AND STORAGE BUILDING	D.5 – 6.7	HM NHM OIL	5 gal drum & smaller F/N R=tube	5 gal	A-1 B-1	C-4 C-5	D-1	E-1	F-1 F-4	G-1 G-4	H-1 H-2	I-2	J-1	K-3	09/12/2005
ASR-9, LAB AND STORAGE BUILDING	E.3 – 7.5	HM NHM OIL	1 qt Can & smaller	1 qt	A-1 B-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/12/2005
ASR-11	E.4-11.2	HM NHM	2 gal & smaller	2 gal	A-1	C-4	D-1	E-2	F-1 F-4	G-1	H-1	I-2	J-1	K-3	09/12/2005
ATCBI, ANTENNA RANGE SHOP, ENROUTE	Q.1 – 5.9	HM	1 gal, 1 lb Bottle& & smaller F/N	1 gal	A-1	C-4	D-1	E-1	F-1 F-4	G-1 G-4	H-1 H-2	I-2	J-1	K-3	09/09/2005
ATCBI, ENROUTE OUTSIDE STORAGE, N OF ENROUTE BUILDING	P.7 – 5.9	NHM OIL	55 gal Drum	55 gal	A-1 B-1	C-1	D-12	E-1	F-4	G-4 G-5	H-1	I-1	J-4	K-3	09/09/2005

* See figures 2-13 for abbreviations and explanatory notes.
** See appendix 9 for site map
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**** See figure 3 for container type codes

Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
ATCBI, NW BUILDING #1	P.7 – 6.2	HM NHM	1 qt F/N & smaller	1 qt	A-1	C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/09/2005
ATCBI, SW BUILDING, #2	Q.1 – 6.2	HM NHM	1 gal Can & smaller	1 gal	A-1	C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/09/2005
BASE MAINTENANCE, AUTOMOTIVE SHOP	I.4 – 7.1	HM NHM	55 gal Drum & smaller F/N	55 gal	A-1	C-2 C-4	D-12	E-1	F-1 F-4	G-1 G-4 G-5	H-1 H-2	I-2	J-1	K-3	9/15/2005
BASE MAINTENANCE, AUTOMOTIVE SHOP	I.4 – 7.1	HW SAP	55 gal Drum & smaller F/N	55 gal	A-6	C-2	D-10	E-1	F-1 F-4	G-4 G-5	H-1 H-2	I-2	J-1	K-3	9/15/2005
BASE MAINTENANCE, AUTOMOTIVE STORAGE BASEMENT	I.5 – 6.9	HM NHM	5 gal Drum & smaller F/N	5 gal	B-1	C-1	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-1	J-1	K-3	9/15/2005
BASE MAINTENANCE, BOILER ROOM	I.5 – 7.4	HM NHM	15 gal Drum	15 gal	A-1	C-1	D-1	E-1	F-1 F-4	G-10	H-1 H-2	I-1	J-1	K-3	9/15/2005
BASE MAINTENANCE, COMPRESSED GAS STORAGE (BASEMENT)	I.5 – 6.9	HM NHM	200 lb Cylinder	200 lb	A-1	C-1	D-2	E-2	F-2 F-4	G-1 G-2 G-6	H-1 H-2	I-1	J-1	K-3	9/15/2005
BASE MAINTENANCE, COMPRESSED GAS STORAGE (OUTSIDE)	H.9 – 7.9	HM NHM	250 lb Cylinder	250 lb	A-1	C-1	D-2	E-1	F-4	G-2 G-6	H-1 H-2	I-1	J-3	K-3	9/15/2005
BASE MAINTENANCE, EQUIPMENT COMPOUND, COVERED STORAGE	I.2 – 6.9	HM NHM BATTERIES	55 gal Drum & smaller F	55 gal	A-1	C-2	D-6	E-1	F-1 F-2 F-4	G-1 G-2 G-4 G-5	H-1 H-2	I-2	J-3	K-3	9/15/2005

* See figures 2-13 for abbreviations and explanatory notes.
** See appendix 9 for site map
*** A complete, updated chemical inventory for each site is located in AMP-100A.
**** See figure 3 for container type codes

Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty. (gal.)	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
BASE MAINTENANCE,	I.2 – 6.9	HW SAP	55 gal Drum	55 gal	A-6	C-2	D-6	E-1	F-1	G-4	H-1	I-2	J-3	K-3	9/15/2005
EQUIPMENT COMPOUND, COVERED STORAGE			& smaller F							G-5	H-2				
BASE MAINTENANCE,	I.4 – 7.2	HM	1 pt F/N	1 pt	A-1	C-4	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	9/15/2005
FOUR WINDS AREA		NHM OIL	& smaller		B-1				F-4		H-2				
BASE MAINTENANCE,	H.10 – 7.3	HM	20 gal Drum	55 gal	A-1	C-5	D-1	E-1	F-1	G-1	H-1	I-2	J-1	K-3	9/15/2005
PAINT STORAGE		NHM	& smallerF/N						F-4	G-5	H-2				
CABLE YARD, R&M FENCED AREA, SOUTH OF G-6 WHSE DOOR	H.9 – 3.9	NHM	5 gal Can used-empty	5 gal	A-1	C-1	D-3	E-1	F-4		H-1	I-1	J-4	K-3	09/07/2005
CABLE YARD - SHOPS AREA	H.9-3.7	HM NHM	250 LB & smaller L	250 LB	A-1	C-1	D-2	E-1	F-2	G-6	H-1	I-2	J-4	K-3	09/07/2005
CAMI, CHLORINE	H.9 – 5.7	HM	55 gal Drum	55 gal	A-1	C-6	D-12	E-1	F-4	G-7	H-2	I-2	J-1	K-3	9/15/2005
ROOM (OUTSIDE COMPOUND)		NHM						E-2							
CAMI, HIGH BAY PUMP ROOM	H.4 – 5.8	NHM OIL	55 gal Drum	55 gal	A-1 B-1	C-1	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	09/23/2005
CAMI, MECHANICAL RM	H.4-5.8	DIESEL	25 gal C	25 gal	B-1	C-1	D-1	E-1	F-1	G-7	H-1	I-1	J-1	K-3	9/29/2005
GENERATOR DAY TANK									F-7					K-6	

* See figures 2-13 for abbreviations and explanatory notes.
** See appendix 9 for site map
*** A complete, updated chemical inventory for each site is located in AMP-100A.
**** See figure 3 for container type codes

Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
CAMI RM 110, Storage	H.8-5.4	HM	5 gal F	5 gal	A-1	C-4	D-1	E-2 E-3	F-1	G-1	H-1	I-2	J-1	K-3	09/08/2005
CAMI, RM 111, Storage	H.8 - 5.4	HM NHM	1 gal N/M	1 gal	A-1	C-1	D-1 D-2	E-1	F-1 F-2	G-1 G-6	H-1 H-2	I-1	J-1	K-3	09/08/2005
CAMI RM 113, Storage	H.8 - 5.3	HM NHM	1 gal Jug 150 lb Cylinder	1 gal	A-1	C-2	D-2	E-2	F-2 F-4	G-2 G-6	H-1 H-2	I-1	J-1	K-2	09/08/2005
CAMI, RM 119	H.7 - 5.6	HM NHM OIL	1 gal F/N	1 gal	A-1 B-1	C-4	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	09/08/2005
CAMI, RM 125, MOCK-UP AREA	H.7 - 5.7	HM	30 gal Tank	30 gal	A-1	C-1	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	09/23/2005
CAMI, RM 206	H.5 - 5.3	HM NHM	1 ltr Bottle	1 ltr	A-1	C-4	D-1 D-2	E-1 E-2	F-4	G-1	H-1	I-2	J-1	K-3	08/29/2005
CAMI, RM 208 Research Lab	H.5 - 5.3	HM NHM	1 gal Bottle & smaller	1 gal	A-1	C-9	D-1 D-2	E-1	F-4	G-1 G-2	H-1 H-2	I-2	J-1	K-3	08/29/2005
CAMI, RM 210	H.6 - 5.4	HM NHM	1 gal Bottle & smaller F/N/M	1 gal	A-1	C-1	D-1	E-1	F-1	G-1	H-1 H-2	I-2	J-1	K-3	08/29/2005
CAMI, RM 211 Research Lab	H.5 - 5.4	HM NHM	41 ltr Bottle & smaller M/L	1 ltr	A-1	C-1 C-4	D-1 D-2	E-1	F-2	G-2 G-6	H-1 H-2	I-2	J-1	K-3	08/29/2005
CAMI, RM 224 Research Lab	H.7 - 5.3	HM NHM	4 ltr Bottle Cylinder	4 ltr 350 lb	A-1	C-4	D-1 D-2	E-1	F-4	G-1	H-1 H-2	I-2	J-1	K-3	08/29/2005
CAMI, RM 225 Research Lab	H.8 - 5.3	HM NHM	2.5 kg Bottle & smaller	2.5 kg	A-1	C-1 C-4	D-1 D-2	E-1	F-1 F-2	G-1 G-2	H-1 H-2	I-2	J-1	K-2 K-3	08/29/2005

* See figures 2-13 for abbreviations and explanatory notes.
** See appendix 9 for site map
*** A complete, updated chemical inventory for each site is located in AMP-100A.
**** See figure 3 for container type codes

Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty. (gal.)	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
CAMI, RM 233 Biochemistry Research Lab	H.7 - 5.4	HM NHM	4 ltr Bottle & smaller F/M	4 ltr	A-1	C-4	D-1	E-1	F-1	G-1	H-1 H-2	I-2	J-1	K-3	08/29/2005
CAMI, RM 234	H.7 - 5.4	HM NHM	1 gal Bottle & smaller M/N	1 gal	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-2	J-1	K-3	08/29/2005
CAMI, RM 235 Lab Storage/Chemicals	H.7 - 5.4	HM NHM	4 ltr Bottle & smaller	4 ltr	A-1	C-4	D-1 D-2	E-1	F-1 F-2	G-1	H-1 H-2	I-2	J-1	K-3	08/29/2005
CAMI, RM 236 Storage/Tool Room	H.7 - 5.6	HM NHM	1 pt Bottle & smaller	1 pt	A-1	C-4	D-1	E-1	F-4	G-1	H-1	I-2	J-1	K-3	08/29/2005
CAMI, RM 248 & 249 Toxigenomic Research Lab	H.6 - 5.5	HM NHM	1 ltr Bottle & smaller M/N/F	1 ltr	A-1	C-1	D-1	E-1	F-1	G-1	H-1 H-2	I-2	J-1	K-3	08/29/2005
CAMI, RM B20, OUTSIDE OF ROOM IN FLAMMABLE STORAGE CABINET	H.4 - 5.6	HM NHM	1 gal Plastic bottle	1 gal	A-1	C-4	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	09/31/2005
CAMI, RM C104	H.4 - 5.4	HM	1 gal Bottle	1 gal	A1	C-1	D-1	E-1 E-2	F-4	G-1	H-1 H-2	I-1	J-1	K-3	09/23/2005
CAMI, RM C104B	H.4 - 5.4	HM	350 lb Cylinder	350 lb	A-1	C-1	D-2	E-2	F-1 F-2	G-1	H-1 H-2	I-1	J-1	K-2	09/23/2005
CAMI, RM C105	H.5 - 5.4	HM NHM	1 gal Bottle Cylinder	1 gal 20	A-1	C-4	D-1 D-2	E-1 E-2	F-1 F-2	G-1	H-1 H-2	I-1	J-1	K-2 K-3	09/23/2005
CAMI, RM C122	H.6 - 5.5	HM NHM	5 gal Carboy	5 gal	A-1	C-1	D-1	E-1	F-1 F-4	G-1	H-1	I-1	J-1	K-3	09/23/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
CAMI, SOUTHWEST STORAGE BUILDING (OUTSIDE)	I.2 - 5.9	HM NHM	55 gal Drum & SMALLER G/F	55 gal	A-1	C-1	D-13	E-1	F-4		H-1	I-1	J-1	K-3	09/08/2005
CAMI, UST	H.9 - 5.7	DIESEL	1000 gal UST	1000 gal	B-1	C-8	D-14	E-5	F-7	G-8	H-1	I-1	J-2	K-1 K-6	9/15/2005
CSF RECEIVING AREA	I.9-11.5	HM	1 pt F	1 pt	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/22/2005
ESS BUILDING, RM 114	D.4 - 6.1	NHM	1 oz Bottle	1 oz	A-1	C-4	D-1	E-1	F-4	G-1	H-1 H-2	I-1	J-1	K-3	09/12/2005
ESS BUILDING, RM 118	D.3 - 6.1	HM NHM	30 gal drum	30 gal	A-1	C-4	D-13	E-1	F-1	G-1	H-1 H-2	I-2	J-1	K-3 K-6	09/12/2005
ESS BUILDING, RM 123B	D.1 - 6.2	NHM OIL	5 gal Drum	5 gal	A-1 B-1	C-4	D-1	E-1	F-1	G-1	H-1 H-2	I-1	J-1	K-3	09/12/2005
ESS BUILDING, RM 129,132 GENERATOR DAY TANK	D.1-6.3	DIESEL	150 gal C	120 gal	B-1	C-6	D-10	E-1	F-1 F-7	G-7	H-1	I-1	J-1	K-3 K-6	9/12/2005
ESS BUILDING, RM 130,131 GENERATOR DAY TANK	D.1-6.3	DIESEL	120 gal C	120 gal	B-1	C-6	D-10	E-1	F-1 F-7	G-7	H-1	I-1	J-1	K-3 K-6	9/12/2005
ESS BUILDING, RM 129, 130, 131, 132	D.1 - 6.2	HM NHM OIL	750 gal tank & smaller D	75 gal	A-1 B-1	C-6	D-12	E-1	F-1	G-1	H-1 H-2	I-1	J-1	K-1 K-3	09/12/2005
ESS BUILDING, UST, NORTH	D.5 - 6.2	DIESEL	2500 gal UST	2500 gal	B-1	C-8	D-14	E-5	F-7	G-8	H-1	I-1	J-2	K-1 K-6	9/15/2005
ESS BUILDING, UST, SOUTH	D.5 - 6 2	DIESEL	1000 gal UST	1000 gal	B-1	C-8	D-14	E-5	F-7	G-7 G-8	H-1	I-1	J-2	K-1 K-6	9/15/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty. (gal.)	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
FLIGHT STANDARDS, NW CORNER, OUTSIDE , AST ATTACHED TO GENERATOR	D.7-3.9	DIESEL	125 gal A	125 gal	B-1	C-1 C-8	D-1 D-14	E-1 E-5	F-10 F-9	G-7	H-1	I-1 I-4	J-1 J-2	K-3 K-6	9/29/2005
FLIGHT STANDARDS, UST	E.1 - 3.5	DIESEL	500 gal UST	500 gal	B-1	C-8	D-14	E-1	F-10	G-7	H-1	I-1	J-1	K-3 K-6	9/29/2005
GNAS, RM 108	D.5 - 6.5	HM	250 lb Cylinder	250 lb	A-1	C-1	D-2	E-1	F-2	G-6	H-1	I-1	J-1	K-2	09/12/2005
GNAS LANDING SYSTEM TRAINING COMP.	D.4-6.5	HM NHM	1 Qt F/N	1 Qt	A-1	C-1	D-1	E-1	F-1	G-1	H-2 H-1	I-1	J-1	K-3	09/12/2005
GNAS RM 111	D.4-6.6	HM NHM	3 GalF/N & UPS	3 Gal	A-4	C-2	D-1	E-1 E-3	F-1	G-1	H-1	I-1	J-1	K-3	09/12/2005
GNAS, RM 117	D.2 - 6.6	HM NHM OIL	100 gal C	100 gal	A-1 B-1	C-5	D-8	E-1	F-1	G-1 G-8 G-9	H-1 H-2	I-2	J-1	K-6 K-7	09/12/2005
GNAS, WEST OF GNAS	D.3 - 6.7	HM OIL	1000 gal AST & smaller	1000 gal	A-1 B-1	C-5	D-8	E-1	F-1	G-7	H-1	I-1	J-2	K-3	09/12/2005
GROUNDS MAINT.,	H.4 - 9.1	HM	55 gal Drum	55 gal	A-1	C-2	D-1	E-1	F-1	G-1	H-1	I-2	J-1	K-3	9/15/2005
MAIN ROOM, PESTICIDE, PARTS ROOM AND GROUNDS		NHM	& smaller F/N			C-4			F-4	G-5	H-2				
GROUNDS MAINT.,	H.4 - 9.1	HW SAP	55 gal Drum	55 gal	A-6	C-2	D-1	E-1	F-1	G-1	H-1	I-2	J-1	K-3	9/15/2005
MAIN ROOM, PESTICIDE, PARTS ROOM AND GROUNDS			& smaller F/N			C-4			F-4	G-5	H-2				
GROUNDS MAINTENANCE, SW OF BUILDING, AST	H.6-8.5	DIESEL	250 gal A	250 gal	B-1	C-1	D-3	E-1	F-1 F-9	G-1	H-1	I-1	J-2	K-3	9/15/2005
HANGAR 8, BOILER RM AST	E.2-2.8	DIESEL	200 gal A	200 gal	B-1	C-1	D-1	E-1	F-1	G-7	H-1	I-1	J-6	K-3	9/29/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
HANGAR 8, HANGAR FLOOR	E.3 – 2.9	OIL	1 qt Bottle	1 qt	B-1	C-2 C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-6	K-3	9/06/2005
HANGAR 8, LINE SHED, BRAKE AND WHEEL SHOP	E.1 – 3.3	HM NHM OIL	100 gal Tank & smaller D	100 gal	A-1 B-1	C-6	D-10	E-1 E-2	F-1	G-1	H-1 H-2	I-1	J-1	K-3	09/06/2005
HANGAR 8, NON-DESTRUCTIVE TESTING SHOP	E.2 – 3.2	HM NHM	55 gal Drum & smaller M/N	55 gal	A-1	C-4	D-11	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-6	K-3	09/06/2005
HANGAR 8,	D.4 – 3.2	HM	150 lb Cylinder	150 lb	A-1	C-1	D-3	E-2	F-2	G-6	H-1	I-2	J-5	K-2	09/06/2005
OUTDOOR COMPRESSED GAS STORAGE		NHM									H-2			K-3	
HANGAR 8, SW CORNER	E.5 – 3.2	HM NHM	55 gal Drum & smaller	55 gal	A-1	C-2	D-8	E-1 E-2	F-4	G-5	H-1	I-2	J-6	K-3	09/06/2005
MOVED TO HGR 9 RM 112															
HANGAR 9, WELDING SHOP N OF HGR 9 IN SMALL BUILDING NEXT TO FENCE	E.10 – 3.2	HM	250 lb Cylinder	250 lb	A-1	C-1	D-2	E-2	F-2	G-6	H-1	I-1	J-6	K-2	09/06/2005
HANGAR 9,	F.5-3.2	HW SAP	55 gal D/E	55 gal	A-6	C-2	D-3	E-1	F-1	G-4	H-1	I-2	J-6	K-3	09/06/2005
NE CORNER (relocated to SW corner)								E-2	F-4	G-5	H-2 H-3				
HANGAR 9, RM 110, PAINT SHOP	F.4 – 3.1	HM NHM	55 gal Drum & smaller F/N	55 gal	A-2	C-2 C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-6	K-3	09/06/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty. (gal.)	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
HANGAR 9, RM 110, PAINT SHOP	F.4 – 3.1	HW SAP	55 gal Drum & smaller F/N	55 gal	A-6	C-2	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-6	K-3	09/06/2005
HANGAR 9, RM 109, METAL WORKING (INCLUDES RM 108)	F.1 – 3.2	HM NHM	5 gal Drum & smaller F/N	5 gal	A-1	C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-6	K-3	09/06/2005
HANGAR 9, RM 119, ENGINE SHOP	F.5 – 3.1	HM NHM	5 gal Drum	5 gal	A-1	C-1	D-2 D-9	E-1 E-2	F-4	G-1	H-1 H-2	I-1	J-6	K-3	09/06/2005
HANGAR 9, RM 135, FABRIC SHOP	F.5 – 2.7	HM NHM	5 gal Can & smaller	5 gal	A-1	C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-6	K-3	09/06/2005
HANGAR 9, W SIDE WALL OF HANGAR BAY	F.2 – 3.2	HM	55 gal Drum	55 gal	A-1	C-1	D-7	E-1 E-2	F-1	G-5 G-7	H-1 H-2	I-1	J-6	K-3	09/06/2005
HANGAR 9, W WALL (CENTER) OF HANGAR BAY	F.3 – 3.1	NHM	5 gal Drum	5 gal	A-1	C-1	D-1	E-1 E-2	F-4	G-7	H-2	I-1	J-6	K-3	09/06/2005
HAZARDOUS WASTE STORAGE,	J.1 – 4.2	HW NHW	100 gal D/E	100 gal	A-5	C-5 C-6	D-12	E-1 E-3	F-4	G-11	H-1 H-2	I-2 I-3	J-1	K-3	10/06/2005
FLAMMABLE, BATTERY AND PCB ROOMS								E-4			H-3				
HAZMAT STORAGE BUILDING, WEST OF GNAS	D.1 – 6.7	HM NHM OIL	55 gal D/E	55 gal	A-1 B-1	C-5	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/12/2005
HEADQUARTERS,	F.3-4.1	DIESEL	150 gal. A	150 gal	B-1	C-1	D-1	E-1	F-3	G-1	H-1	I-1	J-1	K-3	9/29/2005
BOILER ROOM, AST, GENERATOR DAY TANK									F-9		H-2			K-7	
HEADQUARTERS,	F.2 - 4.1	HM	1 qt M/N	1 qt	A-1	C-4	D-1	E-1	F-4	G-1	H-1	I-2	J-1	K-3	10/11/2005
RM 335		NHM					D-2				H-2				
INDUSTRIAL WASTEWATER TREATMENT FACILITY, LABORATORY AND WW TREATMENT AREA	G.8 - 3.2	HM NHM	55 gal D/E & smaller C/M/N	55 gal	A-4	C-5	D-1	E-1	F-1 F-4	G-1 G-5	H-1 H-2	I-2	J-1	K-4	9/21/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
INDUSTRIAL	G.8 - 3.2	HW SAP	55 gal Drum	55 gal	A-6	C-5	D-1	E-1	F-1	G-1	H-1	I-2	J-1	K-4	9/21/2005
WASTEWATER TREATMENT FACILITY, LABORATORY AND WW TREATMENT AREA		HM	300 gal C	300 gal	A-5				F-4	G-5	H-2				
LINE MAINTENANCE, OUTDOOR STORAGE (NORTH	D.2 - 3.2	HM NHM BATTERIES	250 gal Wagon & smaller D/E/F	250 gal	A-1 B-1	C-1 C-4	D-3	E-1	F-1 F-4	G-1 G-4 G-5	H-2	I-2	J-3	K-3	9/15/2005
LINE MAINTENANCE,	D.2 - 3.2	HW SAP	55 gal drum	250 gal	A-6	C-1	D-3	E-1	F-1	G-1	H-2	I-2	J-3	K-3	9/15/2005
OUTDOOR STORAGE (NORTH)			& smaller						F-4	G-4 G-5					
LINE MAINTENANCE, UST, CENTER	D.4 - 3.2	Gasoline	2500 gal UST	2500 gal	B-1	C-8	D-14	E-5	F-7	G-8	H-1	I-1 I-4	J-2	K-1 K-6	9/21/2005
LINE MAINTENANCE, UST, NORTH	D.3 - 3.2	Diesel	1000 gal UST	1000 gal	B-1	C-8	D-14	E-5	F-7	G-8	H-1	I-1 I-4	J-2	K-1 K-6	9/21/2005
LINE MAINTENANCE, UST, SOUTH	D.4 - 3.2	Gasoline	2500 gal UST	2500 gal	B-1	C-8	D-14	E-5	F-7	G-8	H-1	I-1 I-4	J-2	K-1 K-6	9/21/2005
LOGISTICS CENTER,	G.3 - 3.6	HM	5 gal Drum	5 gal	A-1	C-2	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	9/07/2005
ANTENNA SUPPORT BRANCH		NHM OIL	& smaller D/E/F		B-1	C-4		E-2	F-4	G-4 G-5	H-2				
LOGISTICS CENTER, AREA A, COLUMN ADA-9	J.10 - 4.4	HM NHM	5 gal Can & smaller F/M/N	5 gal	A-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-1	J-1 J-2	K-3	09/07/2005
LOGISTICS CENTER, BBA-28 & 30, WC762	H.3-3.6	HM NHM	1 QT & smaller F/M/N	1 QT	A-1	C-4	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/07/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty. (gal.)	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
LOGISTICS CENTER, BBA-35, WC 770	H.4-3.6	NHM	1 LB & smaller F/M/N	1 LB	A-1	C-4	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	9/07/2005
LOGISTICS CENTER,	G.4 - 3.5	HM	55 gal D/E	55 gal	A-1	C-1	D-1	E-1	F-1	G-1	H-1	I-2	J-1	K-3	9/21/2005
BATTERY SHOP		NHM	& smaller F/N			C-4	D-17	E-2	F-2	G-2	H-2				
		BATTERIES						E-3	F-6	G-9					
LOGISTICS CENTER,	G.5 - 3.5	HM, NHM	30 gal Drum,	30 gal	A-5	C-1	D-13	E-1	F-1	G-1	H-1	I-1	J-1	K-3	9/21/2005
BOILER/CHILLER ROOM					B-1	C-2			F-10 F-8	G-7	H-2		J-4		
LOGISTICS CENTER,	H.9 - 3.7	HM	250 lb Cylinder	250 lb	A-1	C-1	D-2	E-2	F-2	G-1	H-1	I-2	J-3	K-2	9/07/2005
CABLE YARD, SHOPS AREA, NEXT TO SOUTH FENCE		NHM									H-2				
LOGISTICS CENTER, MACHINE SHOP, BCA-33	H.3 - 3.8	HM NHM OIL	5 gal Can & smaller F/M/N	5 gal	A-1 B-1	C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/07/2005
LOGISTICS CENTER, METAL PROCESSING	H.4 - 3.5	HM NHM	500 gal Tank & smaller C/D	500 gal	A-3	C-5	D-1 D-8	E-1 E-2	F-1	G-1	H-1 H-2	I-2	J-1	K-3	09/07/2005
LOGISTICS CENTER, AREA D, DEEDS (CFA 2)	F.8-3.8	NHM	15 0Z & smaller	15 OZ	A-1	C-4	D-1	E-1 E-3	F-4	G-1	H-1	I-1	J-1	K-3	9/07/2005
LOGISTICS CENTER,	F.9-3.4	DIESEL	125 gal A	125 gal	B-1	C-1	D-13	E-1	F-1	G-7	H-1	I-1	J-4	K-3	9/29/2005
OUTSIDE OF BOILER RM., E. SIDE, AST															
LOGISTICS CENTER, PAINT AREA	H.3 – 3.5	HM NHM	55 gal Drum & smaller F/N	55 gal	A-1	C-5	D-8	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/07/2005
LOGISTICS CENTER, PAINT AREA	H.3 – 3.5	HW SAP	55 gal Drum	55 gal	A-6	C-5	D-8	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/07/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
LOGISTICS CENTER, PAINT SHOP, BLASTING MEDIA	H.4 – 3.5	HM NHM	55 gal Drum	55 gal	A-1	C-1 C-10	D-1	E-1 E-2 E-3	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/07/2005
LOGISTICS CENTER, PAINT SHOP, BLASTING MEDIA	H.4 – 3.5	HW SAP	55 gal Drum	55 gal	A-6	C-1 C-10	D-1	E-1 E-2 E-3	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/07/2005
LOGISTICS CENTER, PLASTICS/CABINET SHOP	G.7 – 3.5	HM NHM	55 gal D/E & smaller F/M/N	55 gal	A-1	C-3	D-1	E-1 E-2	F-1 F-4	G-1 G-11 G-5	H-1 H-2	I-1	J-1	K-3	09/07/2005
LOGISTICS CENTER, PLASTICS SHOP	G.7 – 3.5	HW SAP	55 gal D/E & smaller F/M/N	55 gal	A-6	C-2	D-1	E-1 E-2	F-1 F-4	G-1 G-11 G-5	H-1 H-2	I-1	J-1	K-3	09/07/2005
LOGISTICS CENTER, SHEET METAL SHOP	H.4 – 3.8	HM NHM	55 gal Drum & smaller F/M/N	55 gal	A-1	C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-1 I-2	J-1 J-2	K-3	09/07/2005
LOGISTICS CENTER, TEST EQUIPMENT, BBA-21	G.9 – 3.5	HM NHM	1 gal Can & smaller F/M/N	1 gal	A-1	C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/07/2005
LOGISTICS CENTER, TOOL CRIB	H.3 – 3.8	HM NHM OIL	5 gal Can & smaller F/M/N	5 gal	A-1 B-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	09/07/2005
LOGISTICS CENTER, ILS SHELTER PROJ. CEA-7	F.8-4.1	NHM	5 gal F/M/N	5 gal	A-1	C-4	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	
LOGISTICS CENTER, TRANSFORMER SHOP	G.10 – 3.6	HM NHM OIL	55 gal Drum & smaller F/M/N	55 gal	A-1 B-1	C-2	D-1	E-1 E-2	F-1 F-4	G-1 G-4 G-5	H-1 H-2 H-3	I-1	J-1	K-3	09/07/2005
LOGISTICS CENTER TEMP. WORK SHOP	F.10-4.6	HM NHM	5 gal F/M/N	5 gal	A-1 B-2	C-4	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/21/2005
LOGISTICS CENTER, WELDING SHOP	H.6 – 3.9	HM NHM	350 lb Cylinder	350 lb	A-1	C-1	D-2	E-2	F-1 F-4	G-1	H-2	I-1	J-1	K-2	09/07/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty. (gal.)	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
MODULAR ADMINISTRATION BUILDING (189), NORTH END OF BUILDING	H.2 – 7.9	HM NHM OIL	1 gal Can & smaller F/M/N	1 gal	A-1 B-1	C-4	D-18	E-1	F-4	G-1	H-1 H-2	I-2	J-1	K-3	9/22/2005
MULTI-PURPOSE BUILDING, RM 251	F.10 – 5.6	HM NHM OIL	1 gal Can & smaller F/N	1 gal	A-1 B-1	C-4	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	09/08/2005
MULTI-PURPOSE BUILDING, RM B-2	G.2 – 5.7	HM NHM OIL	5 gal Can	5 gal	A-1 B-1	C-2	D-1	E-1	F-1	G-5	H-2	I-1	J-1	K-3	10/19/2005
MULTI-PURPOSE BUILDING, SW CORNER GENERATOR DAY TANK	G.3-5.9	DIESEL	25 gal C	25 gal	B-1	C-1	D-1	E-1	F-1	G-8	H-1	I-1	J-1	K-3	9/29/2005
MULTI-PURPOSE BUILDING, UST	G.3 - 5.9	DIESEL	6000 gal UST	6000 gal	B-1	C-8	D-14	E-5	F-10 F-7	G-8	H-1	I-1	J-2	K-1 K-6	9/21/2005
RADAR REPAIR FACILITY - ANTENNA SUPPORT	Q.3-5.8	HM NHM OIL	5 gal & smaller F/N/M	5 gal	A-1	C-4	D-1	E-1	F-1	G-1	H-1	I-2	J-1	KK-3	09/09/2005
RADAR TRAINING FACILITY, RM 7 (BASEMENT)	E.2 – 4.8	HM NHM	16 oz & smaller F /N	16 oz	A-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	09/12/2004
RADAR SUPPORT FACILITY RM. 104	I.5-11.5	HM NHM	1 gal F	1 gal	A-1	C-4	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/22/2005
REGISTRY, W. SIDE	F.3-7.2	DIESEL	200 gal A	200 gal	B-1	C-8	D-14	E-5	F-10	G-7	H-1	I-1	J-2	K-1	9/21/2005
AST ATTACHED TO GENERATOR									F-7	G-8		I-4		K-6	
REGISTRY, UST	F.3 - 6 9	Diesel	500 gal UST	500 gal	B-1	C-8	D-14	E-5	F-10 F-7	G-7	H-1	I-1	J-2	K-1 K-6	9/21/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
RTI LAB NORTHWEST	J.1 - 7.3	HM	5 gal F/M/N	5 gal	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	09/08/2005
CORNER, INSIDE CABINET		NHM OIL			B-1										
RTI PIPELINE BLDG.	J.1-7.3	NHM	1 gal F/N	1 gal	B-1	C-1	D-1	E-1	F-4	G-4	H-1	I-1	J-1	K-3	09/08/2005
SPECIAL PURPOSE BUILDING, CORROSIVE ROOM	J.3 - 4.4	HM BATTERIES	5 gal Drum	5 gal	A-4	C-6	D-12	E-1 E-2	F-1	G-1	H-1 H-2	I-2	J-1	K-3	09/07/2005
SPECIAL PURPOSE BUILDING, FLAMMABLE ROOM	J.4 - 4.4	HM NHM OIL	98 gal R-Equip.55 gal D/E	98 gal	A-1	C-6	D-12	E-1	F-1	G-1	H-1	I-1	J-1	K-3	09/07/2005
BUILDING,		NHM	& smaller F/N		B-1			E-2			H-2	I-2			
SYSTEM SUPPORT FACILITY, SW CORNER OF BUILDING 196 BY LOADING DOCK	K.4 - 11.7	HM	11.5 oz Can	11.5 oz	A-1	C-4	D-18	E-1	F-4	G-1	H-1 H-2	I-1	J-4	K-3	9/22/2005
SYSTEM SUPPORT FACILITY	K.2-11.6	HM	1 pt F	1 pt	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	9/22/2005
SYSTEMS TRAINING BUILDING, ANNEX RM B-6 C	D.3 - 5.4	HM NHM	1 gal Can & smaller F/N	1 gal	A-1	C-4	D-1	E-2	F-4	G-1	H-1 H-2	I-1	J-1	K-3	09/29/2005
SYSTEMS TRAINING BUILDING,	D.3-5.5	DIESEL HM NHM	25 gal C & smaller F/M/N	25 gal	B-1 A-1	C-1 C-4	D-1	E-1	F-3	G-1	H-1	I-1	J-1	K-3	09/12/2005
BOILER ROOM, AST, DAY TANK, RM B-37									F-4		H-2			K-6	
SYSTEMS TRAINING BUILDING, RM B-6 A HYDRAULIC PUMP ROOM	D.2 - 5.4	HM NHM OIL	55 gal Drum & smaller F/N	55 gal	A-1	C-4 C-6	D-12	E-2	F-4	G-1	H-1 H-2	I-1	J-1	K-3	09/29/2005
SYSTEMS TRAINING BUILDING, UST	D.3 - 5.6	HM	2500 gal UST	2500 gal	B-1	C-8	D-14	E-5	F-7	G-8	H-1	I-1	J-2	K-1 K-6	9/21/2005

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty. (gal.)	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
SYSTEMS TRAINING BUILDING, ANNEX, RM 100 RELOCATED	D.2 - 5.3	HM NHM OIL	11 oz Bottle & smaller F/N	11 oz	A-1 B-1	C-1 C-4	D-12 D-2	E-1 E-2	F-2 F-4	G-1 G-6	H-1 H-2	I-1	J-1	K-2 K-3	09/29/2005
TDWR-1, RADAR	A.9 - 8.10	OIL	5 gal Can	5 gal	B-1	C-1	D-18	E-1	F-4	G-1	H-1 H-2	I-1	J-4	K-3	09/12/2005
TDWR-1, RM 105	B.1 - 8.6	HM NHM	1 gal Can & smaller	1 gal	A-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1	I-2	J-1	K-3	09/12/2005
TDWR-1 2nd FROM EAST (AML)	A.10-8.7	NHM	8 OZ F/M/N	8 OZ	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-2	J-1	K-3	09/09/2005
TDWR-2, OUTSIDE ON SOUTH SIDE OF TDWR-2	K.1 - 11.1	HM	1 gal Can & smaller	1 gal	A-1	C-4	D-18	E-1	F-4	G-1	H-1 H-2	I-1	J-4	K-3	9/22/2005
TDWR-2, TECH. LAB RM. 104 (PSF)	J.5-11.2	HM	1 pt F	1 pt	A-1	C-4	D-1	3-1	F-4	G-1	H-1	I-1	J-1	K-3	9/22/2005
TSF AREA A, AUTOMATION	K.1 - 4.4	HM NHM OIL	1 gal Can & smaller	1 gal	A-1 B-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-2	J-1 J-2	K-3	09/07/2005
TSF, AREA B, NAVI - GATION, COLUMN A3	K.1 - 4.6	HM NHM	1 qt Bottle & smaller	1 qt	A-1	C-4	D-1	E-1	F-1 F-4	G-1 G-4	H-1 H-2	I-2	J-1 J-2	K-3	09/07/2005
TSF AREA B, VISUAL LIGHTING	K.5 - 4.6	HM NHM OIL	5 gal Can & smaller	5 gal	A-1 B-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-2	J-1 J-2	K-3	09/07/2005
TSF AREA B, WEATHER BR., C-1	K.3 - 4.4	HM NHM OIL	1 qt Bottle & smaller	1 qt	A-1 B-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-2	J-1 J-2	K-3	09/07/2005
TSF AREA C, CA1	K.5 - 4.2	HM NHM	1 qt Can & smaller	1 qt	A-1	C-4	D-1	E-1 E-2	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	08/22/2002
TSF AREA D Radar Lab Area	K.2 - 3.9	NHM OIL	30 gal Drum 250 lb Cylinder	30 gal	A-1 B-1	C-1	D-1	E-1	F-1	G-1 G-4	H-1	I-1	J-1	K-3	09/07/2005
TSF AREA D, COMMUNICATIONS, DB-3	K.2 - 3.10	HM NHM	1 gal Can & smaller	1 gal	A-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-2	J-1 J-2	K-3	08/22/2002

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Appendix 2 – Figure 1 (cont.)
Oil and Hazardous Substance Site Summary Table*

Facility Name	Grid Location**	Substance Stored***	Site Description****	Max Spill Qty (gal	Report. Spill Qty. (lb.)	Sec. Cont.	Probable Spill Route	Cont. Action	Visual Inspec-tion	Prev. Maint.	House-Keeping	Mat. Comp.	Secu-rity	Monit.	Inspect. Date
TECHNICAL SUPPORT FACILITY, AREA D, TECHNICIAN WORK AREA	K.2 - 3.8	HM NHM	1 gal Can & smaller	1 gal	A-1	C-4	D-1	E-1	F-1 F-4	G-1 G-4	H-1 H-2	I-1	J-1	K-3	09/07/2005
TECHNICAL SUPPORT FACILITY, CLEAN ROOM, C-08	K.4 - 4.3	HM NHM	55 gal Drum & smaller N	55 gal	A-1	C-1	D-1	E-1	F-1	G-1 G-4	H-1 H-2	I-1	J-1 J-2	K-3	09/07/2005
THOMAS P. STAFFORD BUILDING, CHILLER ROOM	B.9 - 6.1	HM NHM	30 gal Drum	30 gal	A-1	C-2	D-1	E-1	F-1 F-4 F-8	G-1	H-1 H-2	I-2	J-1	K-3	9/21/2005
THOMAS P. STAFFORD BUILDING, OUTSIDE, W. SIDE AST ATTACHED TO GENERATOR	B.9-6.3	DIESEL	300 gal A	300 gal	B-1	C-1	D-1	E-1	F-1	G-7	H-1	I-1	J-1	K-3	9/29/2005
THOMAS P. STAFFORD BUILDING, RM 126	B.9-8.10	HM NHM	1 Qt. F/N	1 Qt.	A-1	C-1	D-1	E-1	F-1	G-1	H-1	I-1	J-1	K-3	09/12/2005
THOMAS P. STAFFORD BUILDING, RM 158	B.9-8-9	NHM	13 Oz & smaller F/N	13 Oz	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	09/12/2005
THOMAS P. STAFFORD BUILDING, RM B-30	B.9 - 6.1	HM NHM	5 gal Can & smaller	5 gal	A-1	C-4	D-1	E-1	F-1 F-4	G-1	H-1 H-2	I-2	J-1	K-3	9/21/2005
THOMAS ROAD FACILITY, NORTH OF F&E SHIPPING & RECEIVING DOCK	N/A	HM NHM	1 gal Can	1 gal	A-1	C-4	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	09/09/2005
VOR/TACAN/DME RM 116	M.5-8.5	HM NHM	1 Pt & smaller F/N	1 Pt	A-1	C-1	D-1	E-1	F-4	G-1	H-1	I-1	J-1	K-3	09/12/2005
VOR-700, EAST SIDE OF BUILDING - AST	T.2-6.8	DIESEL	250 gal A	250 gal	B-1	C-8	D-14	E-1	F-4	G-1	H-1	I-1	J-4	K-3	9/29/2005

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FIGURE 2. SPCC SITE TABLE AND EXPLANATORY NOTE ABBREVIATIONS

AST	- above-ground storage tank
cont.	- container
dr.	- drum
gal.	- gallons
hm	- hazardous material
hw sap	- hazardous waste satellite accumulation point
Mat. Comp.	- material compatibility
mogas	- gasoline
Monit.	- monitoring
nhm	- non-hazardous material
oil	- petroleum product, including all refined products
PCB	- polychlorinated biphenyl
Prev. Maint.	- preventive maintenance
Report. Spill	- reportable spill quantity
Sec. Cont.	- secondary containment
Temp.	- temporary

FIGURE 3. CONTAINER TYPE CODES

Container Type

A = above ground tank
B = under ground tank
C = tank inside bldg.
D = steel drum
E = plastic or non-metallic drum
F = can
G = carboy
H = silo
I = fiber drum
J = bag
K = box
L = cylinder
M = glass bottles or jugs
N = plastic bottles or jugs
O = tote bin
P = tank wagon
Q = rail car
R = other (specify)

FIGURE 4. SITE SUMMARY TABLE - EXPLANATORY NOTES
REPORTABLE SPILL QUANTITIES

Note No. Description

A-1 No hazardous materials are stored at the site which are present in reportable quantities as listed in 40 CFR 302.4.

A-2 Chromic acid present in alodine stored at this site may exceed the reportable spill quantity (10 lb.)

A-3 Hydrofluoric acid present in aluminum etching solution stored at this site may exceed the reportable spill quantity (100 lb).

A-4 Sulfuric acid stored at this site may exceed the reportable spill quantity (1000 lb.)

A-5 Sodium hydroxide stored at this site may exceed the reportable spill quantity (1000 lb.)

A-6 Reportable quantities for hazardous wastes stored vary according to the type of waste present. Typical waste codes and RQ's are shown below:

Waste Code	RQ (lb)
D001	None
D002	None
D006	10
D007	10
D008	10
D010	10
D011	1
D020	1
F003	5000 (acetone)
F005	5000 (MEK)
F019	10

B-1 A "reportable spill" of oil or other petroleum products occurs when the spill causes a film, sheen, or discoloration of the surface of the water or adjoining shoreline; or causes a sludge or emulsion to be deposited beneath the surface of the water or upon the adjoining shoreline. These criteria are applicable for surface or ground waters both on and off the facility.

FIGURE 5. SITE SUMMARY TABLE - EXPLANATORY NOTES
SECONDARY CONTAINMENT

Note No.	Description
C-1	None.
C-2	Some or all containers equipped with drip pans.
C-3	Room door openings have elevated thresholds to contain spilled material.
C-4	Small spills would be contained inside storage cabinet.
C-5	Concrete or metal dike around stored materials.
C-6	Sub floor total-containment sump or tank.
C-7	Concrete dike at north end of process area. Drain in steam cleaning area has temporary plug.
C-8	Double-walled, fiberglass tank has overfill spill container and underground liner. Piping is also double-walled fiberglass. Tank and piping are surrounded by in-ground plastic liner.
C-9	Laboratory hoods used to store liquids have plugged drains.
C-10	Area floor drains permanently plugged.

FIGURE 6. SITE SUMMARY TABLE - EXPLANATORY NOTES
PROBABLE SPILL ROUTE

Note No.	Description
D-1	Spill confined to floor of building.
D-2	Spill will dissipate to atmosphere.
D-3	Spill to area storm drain would enter outlet lagoon and Lake Peachy (Cow Creek).
D-4	Spill to room floor drain would enter sanitary sewer system.
D-5	Single container spill would be confined to floor of storage area. Large, multi-container spill could flow out of building and enter area storm drains to outlet lagoon and Lake Peachy.
D-6	Spills outside of drip pans would enter storm drain northwest of building, then to outlet lagoon and Lake Peachy.
D-7	Spills entering high bay floor drains would enter outlet lagoon and Lake Peachy.
D-8	Total containment within diked area.
D-9	Spill confined to floor of building. Shop floor drain permanently plugged.
D-10	Containment within subfloor trench. Trench overflow would enter sanitary sewer.
D-11	Spill confined to floor of shop. Shop floor drain to sanitary sewer equipped with temporary plug.
D-12	Spill confined to floor of building or totally contained within subfloor sumps.
D-13	Spill not contained in the building would flow out of doorway onto adjoining concrete area. Spill entering area storm drains would enter outlet lagoon and Lake Peachy.
D-14	Leakage from underground tank should be contained within the external liner system.
D-15	Leakage from underground tank may contaminate surficial aquifer.
D-16	Floor drain empties into underground storage tank.

PROBABLE SPILL ROUTE (CONT'D)

Note No.	Description
D-17	Wash rack equipped with oil/water separator.
D-18	Spill route depends on location. See description for each site in corresponding chemical, drum, and small container storage site section.

FIGURE 7. SITE SUMMARY TABLE - EXPLANATORY NOTES
CONTINGENCY ACTION

Note No.	Description
E-1	Facility personnel should respond to spill by containing spilled substance within the most immediate area. This should be accomplished by temporary diking to preclude entrance to ditch, storm sewer, or sanitary sewer. Immediate temporary wood or absorbent type skimmers should be installed both upstream and downstream of any spill entering drainage ditches. For larger spills, temporary dikes should be installed in ditches or temporary plugs placed in sewer lines at applicable manholes. Absorbent material, portable skimmers, and/or vacuum trucks should be utilized for cleanup.
E-2	Spilled material should be identified and response should be in accordance with specific procedures identified in Material Safety Data Sheets.
E-3	Sodium bicarbonate kept on hand to neutralize spills.
E-4	Site-specific contingency plan posted at storage site.
E-5	Suspected underground spills should be assessed with regard to the maximum quantity which may have escaped. Remaining material should be removed from tank immediately. Leaked material and contaminated soil must be removed from areas in the vicinity of the underground tank and should be closely monitored to detect any traces of the spilled material. Information pertaining to the spill should be evaluated to determine if the incident warrants groundwater monitoring.

FIGURE 8. SITE SUMMARY TABLE- EXPLANATORY NOTES
VISUAL INSPECTION

Note No.	Description
F-1	Area checked daily during routine work activities.
F-2	Compressed gas cylinders are inspected by supplier prior to delivery. Visual inspection by employees when in use.
F-3	Inspected monthly by maintenance contractor safety committee.
F-4	Area checked whenever materials are brought to or removed from storage.
F-5	Inspected monthly by Aviation Standards National Field Office safety office.
F-6	Batteries checked monthly.
F-7	Tank checked with dipstick as needed.
F-8	Electrical and mechanical inspected daily by maintenance contractor. Hazardous waste storage inspected weekly per 40 CFR 265.174 by Environmental and Safety Staff (AMP-100A).
F-9	Aboveground piping inspected daily or with each equipment use.
F-10	Inspections of monitoring systems, piping, etc., performed by the Operations and Maintenance Division (AMP-300).

FIGURE 9. SITE SUMMARY TABLE - EXPLANATORY NOTES
PREVENTIVE MAINTENANCE

Note No.	Description
G-1	Stock rotated routinely.
G-2	Manufacturer/vendor responsible for cylinder testing.
G-3	Transformer/power amplifier/heat exchange system fluid replaced as needed.
G-4	Waste oils turned in to AMP-100A for disposal as needed.
G-5	Satellite hazardous waste storage area contains no more than 55 gallons of waste. Storage managed per 40 CFR 262.34(c).
G-6	Compressed gas cylinders checked for leaks when first installed and periodically thereafter.
G-7	Maintenance performed as needed by work order.
G-8	Preventive maintenance provided via maintenance contract with supplier.
G-9	Batteries checked periodically regarding fluid level and overall condition.
G-10	Refrigerant liquids cleaned up and recycled inside shop.
G-11	Hazardous wastes managed per 40 CFR 265 Subpart I.

FIGURE 10. SITE SUMMARY TABLE - EXPLANATORY NOTES
HOUSEKEEPING

Note No.	Description
H-1	Area maintained in clean, orderly state.
H-2	Adequate aisle space and segregation of chemicals.
H-3	Aisle space maintained for hazardous wastes per 40 CFR 265.35.

FIGURE 11. SITE SUMMARY TABLE - EXPLANATORY NOTES
MATERIAL COMPATIBILITY

Note No.	Description
I-1	No material incompatibilities.
I-2	Incompatible materials segregated.
I-3	Incompatible hazardous wastes segregated and managed per 40 CFR 165.172 and 265.177.
I-4	Tank and piping constructed of fiberglass.

FIGURE 12. SITE SUMMARY TABLE - EXPLANATORY NOTES
SECURITY

Note No.	Description
J-1	Material stored in building which is locked after normal working hours. Area restricted to authorized personnel only.
J-2	Security provided by contract security service.
J-3	Material stored inside outdoor fenced and covered storage. Locked at all times.
J-4	Material in open storage within fenced compound. Area restricted to authorized personnel only.
J-5	Material in open storage inside secure airfield.
J-6	Material stored inside hangar within secure airfield.
J-7	Locked fill line.

FIGURE 13. SITE SUMMARY TABLE - EXPLANATORY NOTES
MONITORING

Note No.	Description
K-1	Equipment reservoir tanks or storage tanks monitored by sight glass.
K-2	Cylinder pressure monitored by pressure gauge when filled or in use.
K-3	No monitoring needed other than periodic visual inspection.
K-4	Clear plastic tanks monitored visually.
K-5	Battery liquid level visible through cell walls.
K-6	Liquid level measured by dipstick.
K-7	Tank levels monitored visually.
K-8	Shallow monitoring well and tank annulus liquid/vapor monitoring provided.

APPENDIX 3. CERTIFICATION

James H. Long II, a Professional Engineer registered in the State of Oklahoma, certifies that the Oil and Hazardous Substance Site Spill Prevention Control and Countermeasures Summary and supporting information has been prepared in accordance with good engineering practices and in accordance with the U.S. EPA regulations (40 CFR 112) on oil pollution prevention.

_____ Professional Engineer
General Engineer
AMP-100A

Oklahoma Registry No: 11601

Date:_____

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APPENDIX 4. SITE-SPECIFIC CONTINGENCY PLAN HAZARDOUS WASTE STORAGE FACILITY (BLDG. 207)

1. GENERAL.

a. This site-specific contingency plan addresses spills and releases which may occur in any of the four major rooms/areas in the Hazardous Waste Storage Facility (bldg. 207) where containers are stored or outside the building during transfer or loading operations.

b. Hazardous and other regulated industrial wastes are the end product of hazardous materials used by Aeronautical Center organizations during process, maintenance, and repair activities conducted in support of the Federal Aviation Administration mission. The Facility Services Division (AMP-100A) manages the hazardous/industrial waste collection and disposal programs for the Aeronautical Center.

c. Prior to being moved to the Waste Storage Building, all materials are identified and labeled. Wastes are characterized based on process knowledge and/or other information provided by the generating organization. AMP-100A maintains a continuous inventory record and the associated characterization information, usually in the form of waste profiles, for material stored in the Waste Management Building.

d. There are no drains in the Waste Storage Building. Spills or leaks from stored containers will collect within the secondary containment curbs located around the storage locations. Spills outside the containment curbs should gravity flow to the closest holding sump.

e. For the purpose of this site-specific plan, incidents will be classified as follows:

(1) Major Incident - any spill/leak or other incident, such as a fire or explosion, which requires assistance from outside emergency agencies or implementation of the general response procedures outlined in Chapter 4 of the MMAC Spill Prevention Response Plan (includes small spills/leaks discovered by maintenance, operations or security surveillance personnel during AMP-100A off-duty hours where the plan must be activated to ensure notification of appropriate response personnel).

(2) Minor Incident – spill/leak or other incident where there is no threat of a release of hazardous waste or hazardous materials to air, soil, or surface water that could threaten human health or the environment and which can be managed within the capabilities of AMP-100A personnel and/or contract resources.

2. MAINTENANCE, OPERATION AND SECURITY SURVEILANCE OF THE FACILITY.

a. The Operations and Maintenance Division (AMP-300) is responsible for ensuring all Hazardous Waste Storage Facility communications and alarm systems, fire protection equipment, and decontamination equipment are tested and maintained as necessary to assure their proper operation in the time of an emergency. The Operations and Maintenance Division (AMP-300) is also responsible for contract security surveillance personnel.

b. AMP-300 skilled support personnel and contract security surveillance will not work directly with the containerized materials stored in the building and, therefore, should not be exposed to hazards that may be associated with handling the materials. However, because their activities could potentially damage a container of material or they could be the person initially recognizing a spill or leak, AMP-300 shall brief all skilled support personnel and contract security surveillance on proper procedures to be taken in the event of a spill/leak incident or an emergency situation.

c. While working in the Waste Storage Building, all AMP-300 skilled support personnel and contract security surveillance will be required to carry a hand-held two-way radio capable of summoning emergency assistance.

3. NOTIFICATION AND INITIAL SPILL RESPONSE.

a. MAJOR incidents will be handled according to the general response procedures outlined in Chapter 4 of the MMAC Spill Prevention Response Plan.

b. Procedures to be followed for a MINOR incident:

(1)Eliminate sources of ignition (turn off the forklift).

(2)Evacuate and secure the area if necessary (see Figure 1).

(3)Notify the AMP-100A Environmental Coordinator, on-duty extension 43503.

4. SPECIAL PRECAUTIONARY MEASURES.

a. Proper safety equipment (including goggles, gloves, Tyvek suits, boots, and respirator) shall be worn when handling hazardous materials.

b. During loading/unloading and transfer operations conducted outside the building, plastic sheets or drain mats will be used to cover storm drains in the immediate vicinity.

c. Whenever hazardous waste is being poured, mixed, or otherwise handled, all personnel involved in the operation will have immediate access to an internal alarm (see Figure 2) or emergency communications device (a telephone

is located in Room 101A) either directly or through visual or voice contact with another employee.

d. Whenever just one employee is working in the Waste Management Building, they will carry a cellular telephone or a hand-held two-way radio capable of summoning emergency assistance from the scene of operation.

e. Adequate aisle space shall be maintained, both internal and external to the Waste Management Building to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of the facility operation in the event of an emergency.

f. AMP-100A Environmental Staff will ensure that no incompatible materials are stored within the same secondary containment curbed area.

5. PROBABLE SPILL ROUTE.

a. The Hazardous Waste Storage Facility is constructed as a self-contained facility (no drains). Spills or leaks from stored containers will collect within the secondary containment curbs located around the storage locations. Spills outside the containment curbs should gravity flow to the closest holding sump. Spilled materials will then be cleaned up in accordance with all applicable regulations.

b. Spills occurring outside the building may enter the storm drain on the west side that empties into Lake Peachy. Spills of this nature would be handled according to the general response procedures outlined in Chapter 4 of the MMAC Spill Prevention and Response Plan.

6. CONTAINMENT, CLEANUP, AND DISPOSAL.

a. MINOR spills may be contained by creating dikes using absorbent clay, spill pillows, etc. The disposal of cleanup materials will be in accordance with applicable regulations.

b. MAJOR spills (including the release of aqueous film-forming foam released in response to a fire) will collect in the nearest holding sump, and will generally be cleaned up by a disposal contractor.

c. It shall be the responsibility of AMP-100A to maintain a current contract with a disposal contractor in the event one should be needed for cleanup purposes.

7. EMERGENCY EQUIPMENT. (See Figure 2)

a. Telephone in Room 101A (not shown on Figure 2)

b. Eyewash /Shower facilities.

c. Manual pull alarms.

d. Fire Extinguishers.

e. Spill Kits.

f. Foam deluge system (not shown on Figure 2)

8. EVACUATION PLAN. (See Figure 1)

a. Evacuation of the Hazardous Waste Storage Facility shall be performed according to the following:

b. The signal to begin evacuation shall be by voice command as initiated by the person discovering the spill or incident. Activation of the automatic alarm system will also be used to begin evacuation.

c. If the alarms sound, employees will immediately evacuate the area and conduct an employee roll call to determine if any employees are trapped in the affected area. See Figure 1 for primary and secondary evacuation routes.

9. POSTING REQUIREMENTS.

a. This site-specific contingency plan shall be posted in each of the waste storage rooms and in the entry vestibule in a clear, waterproof envelope. A complete copy of Order 1050.4A will be maintained in the Room 101A office.

Figure 1. EVACUATION ROUTES, HAZARDOUS WASTE STORAGE BUILDING

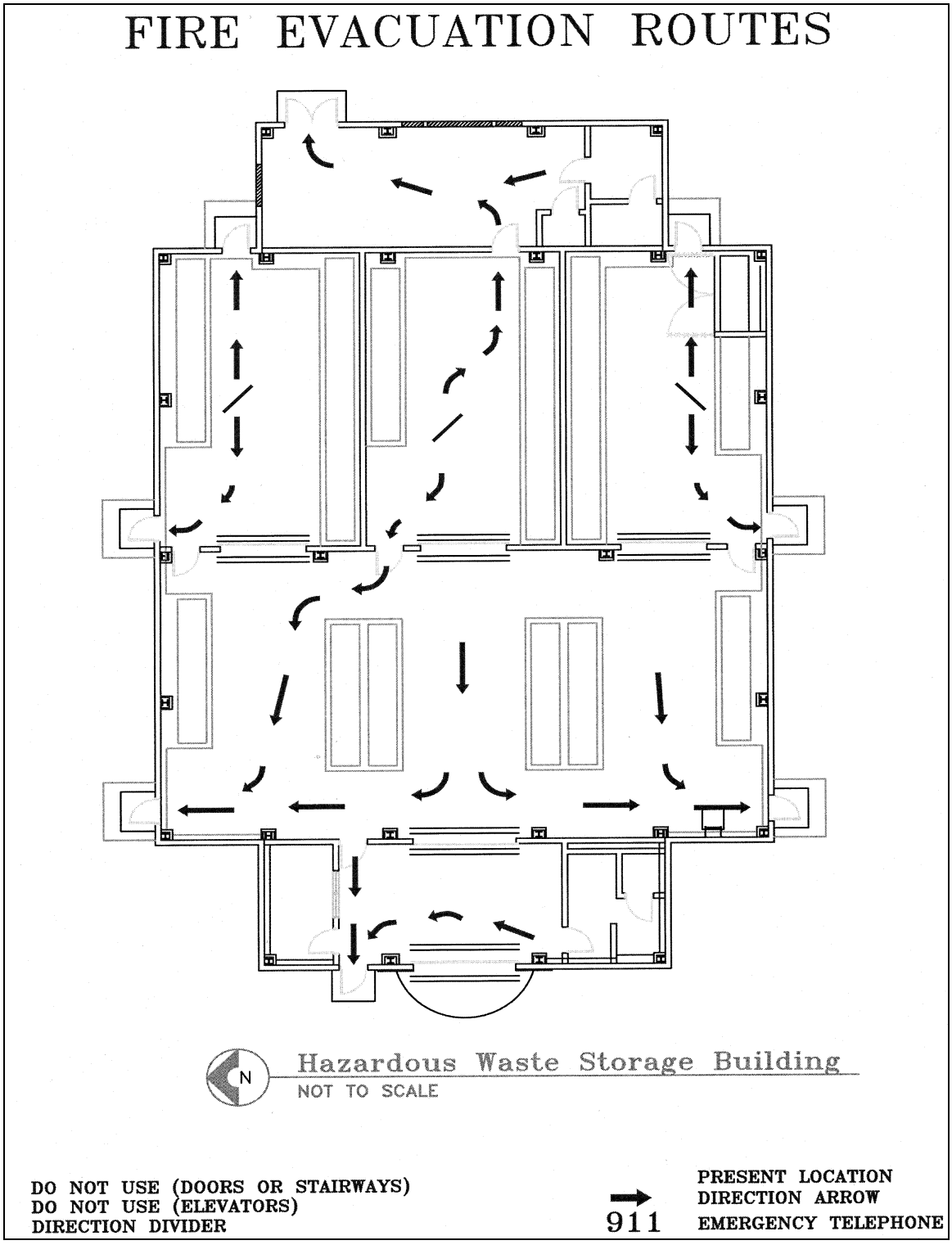
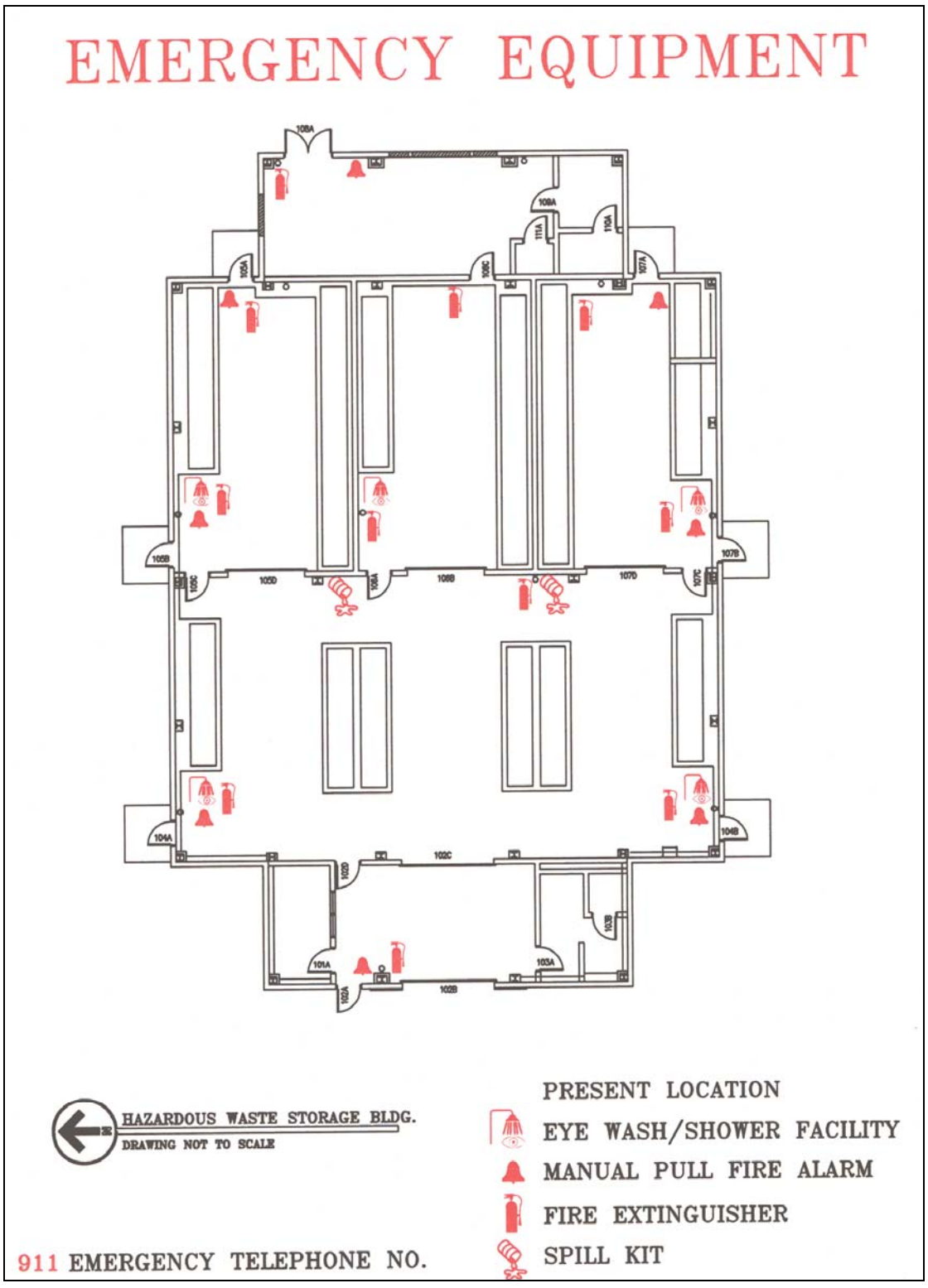


Figure 2. EMERGENCY EQUIPMENT, HAZARDOUS WASTE STORAGE BUILDING



APPENDIX 5. LIST OF OIL/WATER SEPARATORS

LOCATION

Base Maintenance Vehicle Bay, east wing, north side

FAA Logistics Center Battery Shop, warehouse, east side

Line Maintenance Vehicle Wash Bay, north side

Industrial Wastewater Treatment Plant, upper loft of tank farm

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APPENDIX 6. SPILL RESPONSE EQUIPMENT INVENTORY

1. GENERAL. Emergency spill equipment is located in the Hazardous Waste Storage Building and other locations throughout the Aeronautical Center. A list of equipment stored in the Hazardous Waste Storage Building is shown in figure 1. Fire extinguishers are located throughout the buildings at the Aeronautical Center. Some buildings are protected by sprinkler systems. Fire hydrants are located throughout the Aeronautical Center in accordance with Oklahoma City codes. The water lines, hydrants, and sprinkler systems are maintained, tested, and checked by the Oklahoma City Water Department and Oklahoma City Fire Department.

2. FIRE EXTINGUISHERS. All fire extinguishers comply with National Fire Codes Standards and are inspected after use or not less than once a month. A record of this inspection is noted on a tag attached to each unit.

3. SPRINKLER SYSTEMS. The building sprinkler systems have flow alarms that are monitored by on-site Graphic Control Center (GCC), who in turn notifies the contract security guard dispatcher when water flow is noted.

4. PERSONAL PROTECTIVE ITEMS. Personal protective items are kept at the Hazardous Waste Storage Building (AMP-100A) for use in emergency cleanup of hazardous materials. Protective clothing and equipment are provided to protect employees during normal and emergency operations. Protective eyewear, protective gloves, and plastic aprons are the minimum protective clothing required.

5. FIRST AID AND MEDICAL SUPPLIES. First aid and medical supplies are located in several areas throughout the Aeronautical Center. The CAMI Clinic (AAM-700) is located in the CAMI building and is staffed from 8:00 a.m. to 4:30 p.m., Monday through Friday.

6. EMERGENCY DECONTAMINATION EQUIPMENT. Emergency decontamination equipment is kept at the Hazardous Waste Storage Building. Some absorbent material is kept on hand at locations where hazardous materials are used or stored.

7. COMMUNICATION EQUIPMENT. All areas at the Aeronautical Center where material is in use are equipped with telephones which note the emergency number to call and contact the FAA contract security guard dispatcher.

8. HAZARDOUS WASTE STORAGE BUILDING. The Hazardous Waste Storage Building where hazardous wastes are stored has special emergency equipment which is described in the site-specific contingency plan for the building (see Appendix 4).

FIGURE 1. EMERGENCY EQUIPMENT INVENTORY

Spill Response Inventory

Hazardous Waste Storage Building

1.	85 Gallon Steel Over-pack Drums	6 each
2.	25-pound sacks of Oil Pick Up “floor sweep”	22 each
3.	35-Gallon Poly Drum Oil Spill Clean Up Kit	1 each
4.	25-Gallon Poly Over-pack Drums	2 each
5.	Small Hand Held Spill Recovery Kit	1 each
6.	Chemical Resistant Drain Mat	1 each
7.	Chemical Resistant Poly Shovels	2 each
8.	Electrical Operated Liquid Transfer Pump	1 each
9.	Used Drum Hand Pump for transfer operation	1 each
10.	Assorted booms and pigs for oil recovery	2 boxes
11.	2-foot square absorbent pads	2 bags
12.	5-Gallon Bio-solve Solution Product	1 can
13.	Hand Pump Chemical Sprayer	1 each
14.	5-Gallon Pail of Chlorine Bleach	1 can
15.	Shop Push Brooms	2 each
16.	Rubber Chest Waders	2 pair
17.	Portable Caution Signs	2 each
18.	Yellow Caution Tape	2 rolls
19.	Hydrofluoric Acid Recovery Kit	1 kit
20.	Corrosive Neutralization Kit	1 kit
21.	Flammable Organics Spill Kit	1 kit
22.	Reactive Cyanide Spill Containment Kit	1 kit
23.	Mercury Spill Kit	1 kit
24.	Tyvek overalls with gloves and boot covers	1 box

APPENDIX 7. SUMMARY LISTING OF OFF-CENTER SPILL NOTIFICATION PROCEDURES AND RESPONSE ORGANIZATIONS

1. OFF-CENTER ORGANIZATIONS WHICH MAY BE DIRECTLY IMPACTED BY SPILL. If areas outside the Aeronautical Center might be adversely affected by a spill, the on-scene coordinator (OSC) shall notify the City-County Civil Defense Center, Manager of the City of Oklahoma City, and any other appropriate personnel.

2. "REPORTABLE SPILL" NOTIFICATION REQUIREMENTS.

a. If a spill is deemed a "reportable spill" by the OSC, the following agencies will be notified promptly by the OSC. The notification should include the information shown in paragraph b below.

(1)	National Response Center (NRC)	(800) 424-8802
(2)	Regional Response Center (RRC) (if NRC unavailable)	(214) 767-2720
(3)	Oklahoma Department of Environmental Quality (For hazardous waste spills, a written statement also required within 15 days.)	(800) 522-0206
(4)	Oklahoma Corporation Commission (Petroleum product spills relative to underground storage tank management greater than 25 gallons.)	(405) 521-3107
(5)	Oklahoma City Water Department (For spills to the sanitary sewer system.)	(405) 272-3334 (24 hours)

b. Initially report as much of the following information as can be reasonably determined:

(1) Name and telephone number of reporter (required for hazardous waste spills).

(2) Name and address of facility (required for hazardous waste spills).

(3) Incident report number (i.e., initial, second, third, final, etc.).

(4) Date/time of incident and type of incident (e.g., release ,fire) (required for hazardous waste spills).

(5) Name and quantity (barrels/gallons/pounds) materials involved (required for hazardous waste spills).

(6) Extent of injuries, if any.

(7) Severity of incident. Specify degree (serious or minor) of potential or actual threat to human life; to property (private, state, or federal); to plant or animal life, etc. For hazardous wastes, include possible hazards to human health or the environment outside the facility (required for hazardous waste spills).

(8) Location of incident and the nature of the terrain at the location to include surface and subsurface drainage characteristics and relationships to water bodies (estimate extent of area affected such as miles of stream or acres of lake).

(9) Cause of incident.

(10) Damage impact on the surroundings including fish and wildlife.

(11) Corrective action to eliminate pollution source.

(12) Corrective action taken to remove pollutant.

(13) Assistance required.

(14) Estimated completion date of remedial action.

(15) Anticipated or actual reaction by the news media and public to the incident. Specify potential for liability.

(16) National Response Team, U.S. Environmental Protection Agency, or U. S. Coast Guard Office notifications.

(17) Explain how the Oil and Hazardous Substances Pollution Contingency Plan or the Spill Prevention, Control and Countermeasures Plan was implemented.

3. ADDITIONAL OFF-CENTER SPILL RESPONSE RESOURCES.

a. If additional off-Center resources are deemed necessary by the OSC to respond to a spill, the following organizations can be contacted:

(1)	Integris Southwest Medical Center (24 hours)		636-7326
(2)	Department of Airports, Will Rogers World Airport	(normal hours)	680-5311
		(24 hours)	680-3233
(3)	American Red Cross		232-7121

b. If adequate spill response information is unavailable for a spill product which can be identified by either chemical, trade name or manufacturer, the following organization can be contacted by telephone to assist in providing specific information concerning the spilled product:

Chemtrec	(800) 424-9300

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APPENDIX 8. INSPECTION REQUIREMENTS AND REPORTING

1. GENERAL. This appendix includes information required for inspection reports for each facility at the Aeronautical Center where potential pollutants are stored or used. Each facility used for storing or handling oil, hazardous substances, or hazardous waste will be inspected by a qualified person.

2. INSPECTION FREQUENCIES.

a. Each program office and tenant organization at the Mike Monroney Aeronautical Center will ensure that all facilities or items of equipment used for storing or handling oil or any other hazardous substance are inspected at least annually to ensure that conditions that could result in an accidental spill or that would allow an excessive operations loss do not exist. The "Storage Site Inspection Report" (AC Form 1050-2) shown in figure 1 of this appendix should be used when performing these inspections.

b. The Environmental and Safety Staff (AMP-100A) will ensure that facilities or items of equipment used for storing or handling hazardous waste under its control are inspected at least weekly to ensure that conditions that could result in an accidental spill or that would allow an excessive loss do not exist.

c. A registered professional engineer from AMP-100A will review and evaluate storage site information using the "Site Data Sheets" shown in figure 2 of this appendix. This review will be performed at least once every 3 years.

3. ANNUAL REPORT. The inspection reports described in paragraph 2.a. above, completed and signed by the inspector, will be forwarded to AMP-100A, by January 31 of each year for the previous year. Any existing inspection system or cyclic maintenance system may be used to satisfy this requirement, provided the inspections are thorough and are scheduled with appropriate frequency. Annual reports will be maintained by AMP-100Afor at least 3 years.

4. PLAN REVIEW AND UPDATE REPORT. The Plan Review and Update Report contains site inspection results, a list of site deficiencies, reports of past spills, environmental regulatory agency inspection reports and current inventory of hazardous materials and petroleum products. It is located in the Environmental and Safety Staff Office (AMP-100A).

FIGURE 1. EXAMPLE OF STORAGE SITE INSPECTION REPORT

STORAGE SITE INSPECTION REPORT

FACILITY: Building/Post Location Base Maintenance Organization Symbol AMP-300

a. Type of material stored and estimated quantity on hand (Use the back of this form or additional sheets necessary):

Used oil (300 gal.), mineral spirits (150 gal.), lube oil (100 gal.), paint thinner (250 gal.), antifreeze (55 gal.) - see inventory list.

b Shop or Function: Product and waste storage for various shops

Location (Room No, etc.): Equipment compound - covered storage (fenced)

c Type and physical condition of primary containment (e.g., drums, tanks, etc.):

55 gallon steel drums, good condition

d Type and physical condition of secondary containment, if any (e.g., dikes, plugged floor drains, etc.):

All drums stored in metal drip pans, 8 inches deep, Good condition

e. Spill cleanup equipment on hand and condition:

Spill absorbent material located in Base Maintenance vehicle bay. 55 gallon drum is half full

f Spill notification sign, or site-specific contingency plan, if applicable, posted

Yes

g Employees knowledgeable of spill response procedures; i.e., use of cleanup equipment and notification procedures?

h Yes

i. Signature John Doe Date 04/08/2003

AC Form 1050-2 (9/90) Electronic Version (Adobe

FIGURE 2. EXAMPLE SITE DATA SHEETS

MMAC SITE INSPECTION SHEET

Contact: John Doe Orgn. Symbol: AMP-300 Phone: 4-3877 Follow-up needed? No (describe under comments)	Date: 4-8-03 Initials: JD

FACILITY LOCATION: Base Maintenance equipment compound Storage area

OIL OR HAZARDOUS SUBSTANCES PRESENT: Used oil, lube oil, paint thinners, mineral spirit solvent, antifreeze

SITE DESCRIPTION:

Type (tank, drum, pipe, etc.) Drums

Construction Material steel

Size/Shape 55 gallon

Location covered storage area on east side of equipment compound

MAXIMUM SPILL QUANTITY: 55 gallon

Calculation Procedure Largest container

PROBABLE SPILL ROUTE: Spills to area storm drain would enter outlet lagoon and Lake Peachy

SECONDARY CONTAINMENT:

Dike Material steel drip pans Dike Height 6 inches

Dike Area appx. 36 sq ft Dike Volume appx. 150 gallons

Dike Draining Equipment none

OTHER SECONDARY CONTAINMENT: none

VISUAL INSPECTION (Frequency/item inspected/inspected by):

External Performed annually per AC 1050.4 and whenever waste is placed in drums. Inspected annually by John Doe

Internal (Date of last results) N/A

PREVENTIVE MAINTENANCE (Procedures/frequency) Stock rotated routinely

Waste oil and solvents are not mixed. Drums covered with plastic lids

Leak Testing of Buried Tanks (Date/results) N/A

HOUSEKEEPING:

Aisle Space Ok Area Clean Ok

Neat and Orderly Storage of Chemicals Ok

Other Comments

MATERIAL COMPATIBILITY: (Liners, protective coatings, or cathodic protection)

Internal N/A

External Drums kept under covered storage

SECURITY:

Fences and Locked Gates Storage area is inside fence (locked compound)

Traffic Barriers

Locked Valves and Pump Controls

Lighting

Other

MONITORING: (Type/Interlocks)

Liquid Level Liquid level in waste drums monitored visually

Flow Meters _____ Flow Totalizers _____

Material Inventory _____

_____

Groundwater (for underground sites) _____

Other _____

DETAILED VISUAL INSPECTION AND COMMENTS: Waste lacquer thinner in excess of 55 gallons needs to be turned in for disposal

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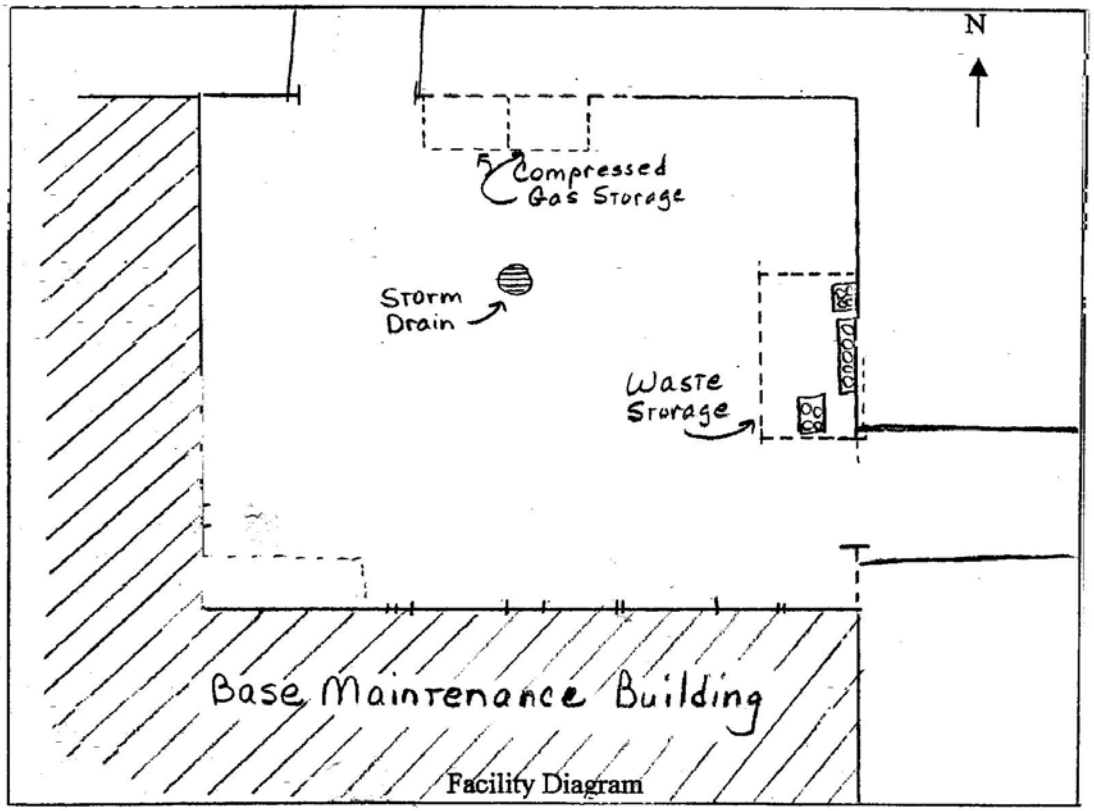

Facility Diagram

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APPENDIX 9. ENVIRONMENTAL SETTING, FACILITY MAP, AND SURFACE WATER DRAINAGE MAP

1. ENVIRONMENTAL SETTING.

a. Topography. The FAA Mike Monroney Aeronautical Center is located on 1000 acres in Sections 27 and 28, T11N, R4W, Oklahoma County, Oklahoma. The site is characterized by gently rolling surfaces formed by fluvial deposition and erosion. It is situated near the crest of the surface-water drainage basin divide between the North Canadian and South Canadian Rivers. The site is located in the Cow Creek Drainage Sub-basin of the South Canadian River Drainage Basin. The regional surface slope north of the Center is northward toward the North Canadian River, located approximately 3.25 miles north of the site. The average regional surface slope gradient between the site and the North Canadian River is approximately 0.05 percent. The gradient at the site is southward at an average surface slope gradient of 0.04 percent toward the South Canadian River which is located approximately 6.5 miles to the south of the site. The site-specific topography of the site is defined by a gentle south-southwestward slope toward Cow Creek, a southward flowing tributary to the South Canadian River. The altitude of the site is approximately 1,270 feet to 1,280 feet above mean sea level.

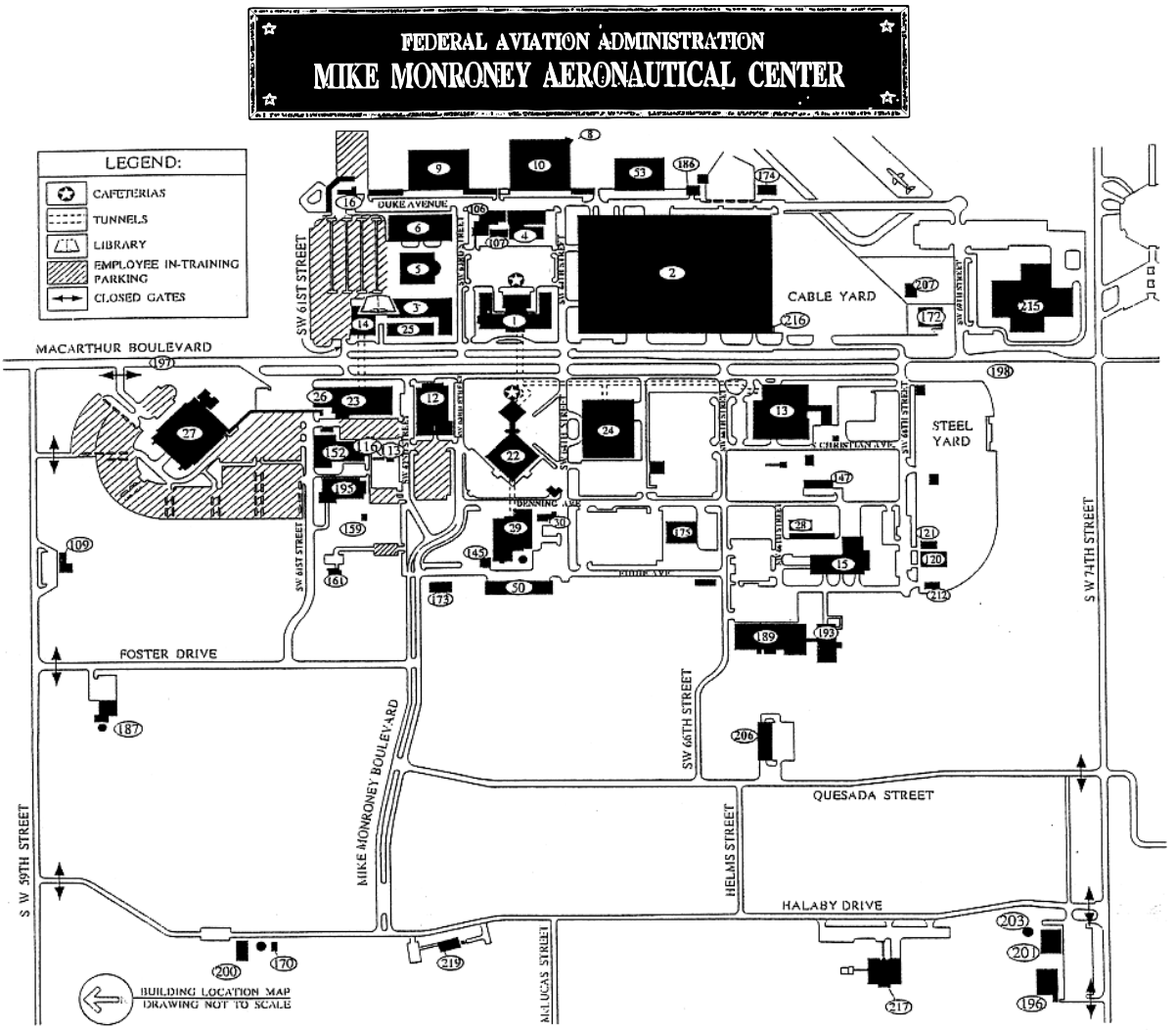
b. Geology. The Center is underlain by Permian-age lithologies which include, in descending order, the Bison formation, the Salt Plains formation, Kingman Siltstone, the Fairmont Shale, and the Garber Sandstone. Overlying these Permian units are younger Quaternary-age river terrace deposits within which a top soil has evolved. The terrace deposits at the proposed project site consist of clay, sand, and gravel. Lithological data from geotechnical borings at the site show that the upper 20-feet of the terrace deposits consist of red and gray silty and shaley clay. The soil is well drained, very slowly permeable, and has a high water holding capacity. The soil has a high shrink-swell capability and is easily eroded.

c. Surface Water. The site is situated near the crest of the surface-water drainage basin divide between the North Canadian and South Canadian Rivers. Surface runoff to the north of the site flows north-northeastwardly toward an intermittent branch of an unnamed tributary of the north Canadian River. Surface runoff from the site flows through four storm sewers which discharge into an unnamed tributary of Cow Creek, known locally as outlet lagoon. From the outlet lagoon water flows into a small pond known locally as Lake Peachy. The overflow from Lake Peachy then flows into Cow Creek.

2. FACILITY MAP. See figure 1 for Aeronautical Center facility map and building locations.

3. SURFACE WATER DRAINAGE MAP. See figure 2 for map with surface water drainage basin boundaries indicating potential spill containment areas for the Aeronautical Center.

FIGURE 1. FACILITY MAP



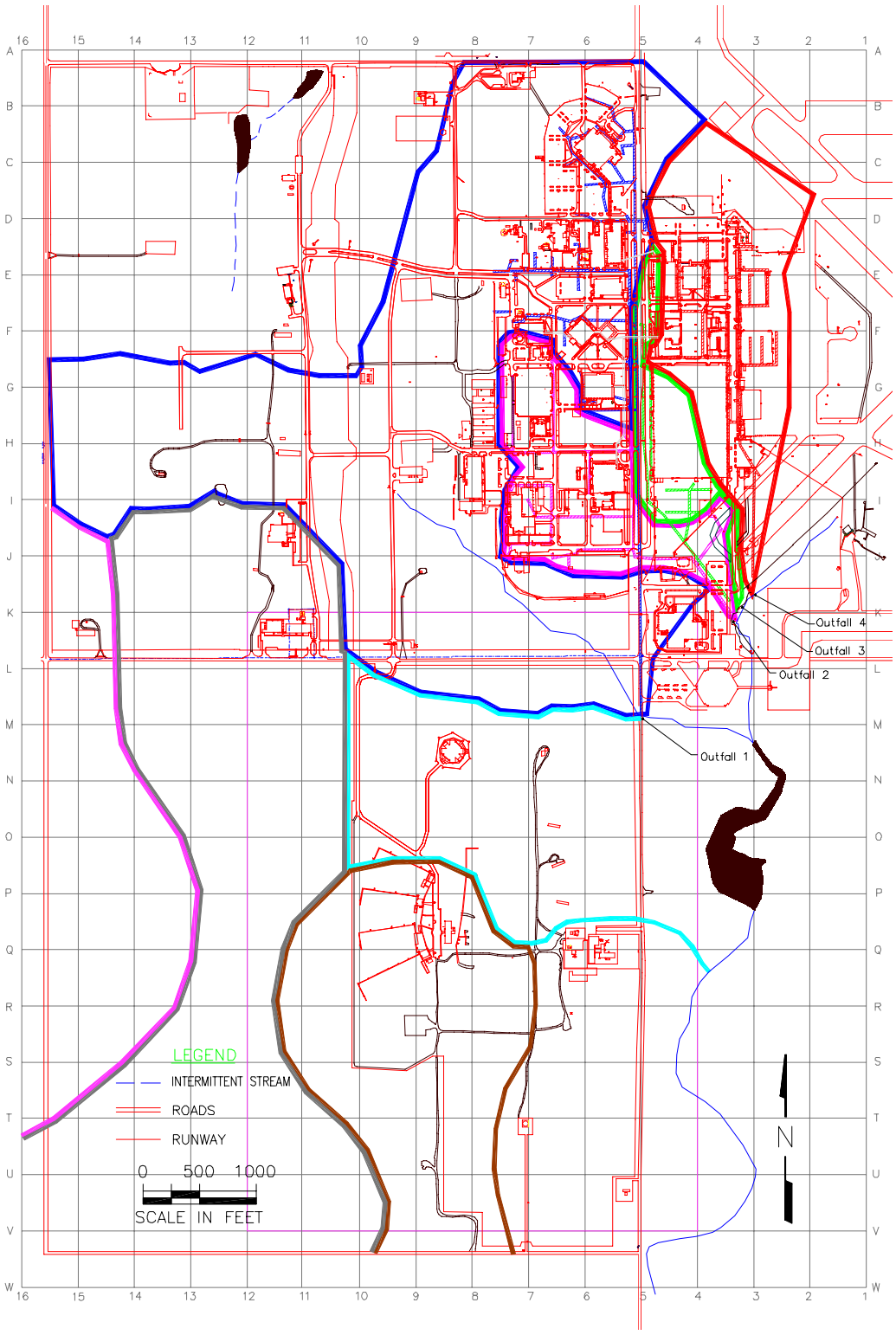
#	BUILDING NAME
1	HEADQUARTERS
2	LOGISTICS SUPPORT FACILITY
3	AIR TRAFFIC
4	FLIGHT INSPECTION
5	AIR NAV FACILITIES #1
6	FLIGHT STANDARDS
8	RADAR ANTENNA LAB
9	HANGAR 8
10	HANGAR 9
12	AIR NAV FACILITIES #2
13	CIVIL AEROMEDICAL INST
14	ACADEMY HEADQUARTERS
15	BASE MAINTENANCE
16	LINE MAINTENANCE BLDG
22	AVIATION RECORDS BLDG
23	SYSTEMS TRAINING
24	MULTI-PURPOSE BLDG
25	RADAR TRAINING BLDG
26	SYSTEMS TRAINING ANNEX
27	THOMAS P. STAFFORD BLDG
28	MATERIAL STORAGE
29	REGISTRY
30	TITLE TRUST BLDG
50	BLDG 50

#	BUILDING NAME
53	HANGAR 10
106	BLDG K (FAA EMPLOYEE CREDIT UNION)
107	BLDG L (EMPLOYEE'S ASSOC. BOOK STORE)
109	ILS TRAINING FACILITY
113	ARSR-1
116	FPS-66 TRAINING FACILITY
117	VOR-700
120	TSI LAB
121	DOUBLEWIDE TRAILER
123	ATCBI-ANTENNA RANGE SHOP
135	ATCBI-ANTENNA TEST TOWER
136	ATCBI-ANTENNA TEST SHOP
145	ASR-7 TRAINING LAB & TOWER
147	GENERAL OFFICE BLDG
152	ESS
159	ASR-8 TRAINING LAB
161	ARSR-3 EQUIPMENT BLDG
166	MARK 1D
167	MARK 1E
170	ARSR-4 SUPPORT
171	MARK 1B

#	BUILDING NAME
172	SPECIAL PURPOSE
173	ASR-9/MODE-S
174	ASDE-3
175	CHILD LEARNING CENTER
185	ARSR-3 RADAR TEST (RMM)
186	INDUSTRIAL WASTE TREATMENT PLANT
187	TDWR-1
189	MODULAR ADMIN BLDG (AOS)
193	BASE MAINTENANCE STORAGE
195	GNAS
196	SYSTEM SUPPORT FACILITY
197	NORTH GUARD SHACK
198	SOUTH GUARD SHACK
200	ARSR-4
201	PROGRAM SUPPORT FACILITY
203	TDWR #2
204	VOR/TACAN/DME
206	GROUNDS MAINTENANCE BLDG
207	HAZARDOUS WASTE STORAGE FACILITY
208	MK 1F

#	BUILDING NAME
209	MK 20
211	LSTC BLDG
212	DOUBLE WIDE #2
215	TECHNICAL SUPPORT FACILITY
216	LSF GUARD SHACK
217	RADAR SUPPORT FACILITY
218	RADAR REPAIR FACILITY
219	DASR-11

FIGURE 2. SURFACE WATER DRAINAGE MAP



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APPENDIX 10. EXAMPLE OF SPILL LOG

SPILL LOG

Date and time of report: 5/2/2003 9:05 a.m.

2. Name of person reporting spill/organization symbol/extension:
Marcia Kovak, AMA-700 X4-3169

3. Type of spill/quantity/location/time of incident:
Diesel, 5 gallon, CAMI basement, 8:30 a.m.

4. Details of incident, including corrective action taken (use back if necessary):
Diesel fuel overflowed due to generator valve malfunction. Fuel was picked up with absorbent material and did not enter floor drains.

5. Notification: Time

Operations Center Operations Officer (AMP-106) 8:45

CAMI Clinic (AAM-700)
(if medical assistance is required.) _____

Oklahoma City Fire Department
(in the event of fire or explosion.) _____

6. Remarks (use back if necessary): _____

7. A. J. Smith, Jr.
Signature of person completing report

8. Forward a copy of completed report to AMP-100A.

AC Form 1050-3 (9/90)

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APPENDIX 11. LIST OF CONTRACTS

1. GENERAL. The following contracts in AMP-100A related to spill cleanup, hazardous waste disposal and environmental testing may be called upon in the event of a spill:

SERVICE

1. Hazardous waste, waste oil disposal, spill containment and cleanup

2. Asbestos removal

3. Environmental testing (all types)

4. Environmental A/E Services

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APPENDIX 12. EXAMPLE SPILL NOTIFICATION SIGN FOR USE ON-CENTER

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