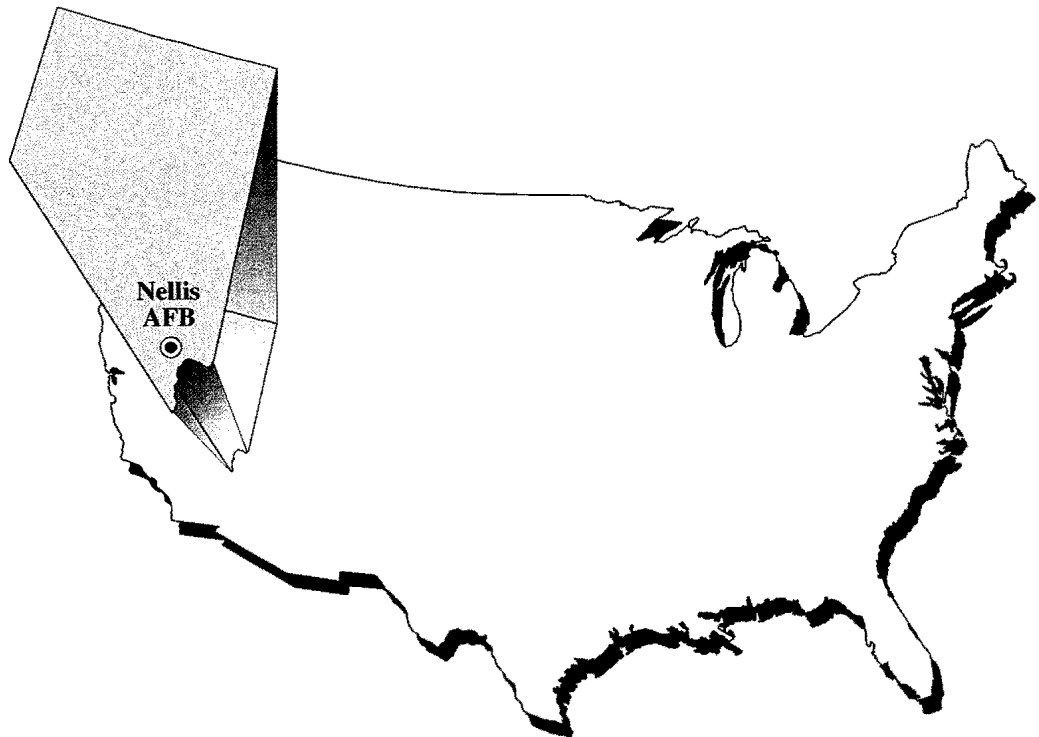




ENVIRONMENTAL BASELINE SURVEY

December 2003



MANCH MANOR HOUSING AREA
NELLIS AIR FORCE BASE
NEVADA

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**ENVIRONMENTAL BASELINE SURVEY
MANCH MANOR HOUSING AREA**

NELLIS AIR FORCE BASE, NEVADA

DECEMBER 2003

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ACRONYMS

ACC	Air Combat Command
ACM	asbestos-containing material
AFB	Air Force Base
AFI	Air Force Instruction
AFPD	Air Force Policy Directive
AOC	Area of Concern
AST	aboveground storage tank
BEE	Bioenvironmental Engineering
CAS	Central Accumulation Point
CCSD	Clark County Sanitation District
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CES	Civil Engineer Squadron
CFR	Code of Federal Regulations
CPSC	Consumer Product Safety Commission
CRMP	Cultural Resources Management Plan
CWA	Clean Water Act
DCNR	Department of Conservation and Natural Resources
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethylene
DDT	dichlorodiphenyltrichloroethane
DOD	Department of Defense
DPG	Defense Planning Guidance
DRMO	Defense Reutilization and Marketing Office
EBS	environmental baseline survey
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System,
ERP	Environmental Restoration Program
FINDS	Facility Index System
FY	fiscal year
HAZNET	Facility and Manifest Data
HUD	Housing and Urban Development
IAP	initial accumulation point
ICRMP	Integrated Cultural Resources Management Plan
INRMP	Integrated Natural Resources Management Plan
IRP	Installation Restoration Program
kV	kilovolt
LBP	lead-based paint
LF	linear feet
LUST	leaking underground storage tank
mg/kg	milligrams per kilogram
MFH	military family housing
MGD	million gallons per day
MILCON	military construction
MSL	mean sea level
MW	megawatt
NEPA	National Environmental Policy Act
OSD	Office of the Secretary of Defense
OSHA	Occupational Safety and Health Administration

OWS	oil/water separator
PCB	polychlorinated biphenyl
pCi/l	picocuries per liter
P.L.	Public Law
POL	petroleum, oil, and lubricants
ppm	parts per million
PRG	Preliminary Remediation Goal
PVC	polyvinyl chloride
RAMP	Radon Assessment and Mitigation Program
RCRA	Resource Conservation and Recovery Act
SHWS	Stat Hazardous Waste Sites
SNWA	Southern Nevada Water Authority
SWF/LF	Solid Hazardous Waste Site
SWPPP	Storm Water Pollution Prevention Plan
TDS	total dissolved solids
TSCA	Toxic Substances Control Act
U.S.C.	U.S. Code
UST	underground storage tank
VSI	visual site inspection

1.0 PURPOSE OF THE ENVIRONMENTAL BASELINE SURVEY

This environmental baseline survey (EBS) has been prepared to document the environmental condition of real property at the Manch Manor Housing Area at Nellis Air Force Base (AFB), Nevada, resulting from the storage, release, and disposal of hazardous substances and petroleum products and their derivatives over the installation's history. Preparation of an EBS is required by Department of Defense (DOD) policy before any property can be sold, leased, transferred, or acquired. Air Force Policy Directive (AFPD) 32-70, *Environmental Quality*, provides responsibilities and procedures for conducting an EBS, and is implemented through Air Force Instruction (AFI) 32-7066, *Environmental Baseline Surveys in Real Estate Transactions*.

The EBS will also be used by the Air Force to comply with the provisions of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) 42 U.S. Code (U.S.C.) Section 9620(h)(3) when property is being transferred by a federal agency. This EBS aids in establishing present property conditions that would be utilized in making decisions supporting the lease of the Manch Manor Housing Area land and transfer by deed of housing units to a private contractor.

The Office of the Secretary of Defense (OSD), in the current Defense Planning Guidance (DPG), has tasked DOD services to upgrade all inadequate, required military family housing (MFH) by or before fiscal year (FY) 2010. This effort would cost the Air Force more than \$7 billion in family housing funds; sufficient funds are not projected to be available through the next 10 years to meet this goal using traditional construction options (e.g., military construction [MILCON] funding). The 1996 Defense Authorization Act provides DOD services with authorities that permit the use of private capital to meet housing requirements, where economically feasible. DOD services have also been provided the authority to permit privatization of MFH where housing is geographically separated from or severable from the installation, if the privatization project is economically feasible.

The Nellis AFB Family Housing Master Plan indicates that the option to privatize MFH areas is feasible because it meets both criteria (geographically separate and severable from the installation and economically feasible) required for privatization (U.S. Air Force, 2001). Life-cycle costs for privatization are less than those required for continued Government ownership.

The existing housing area, which includes Manch Manor I, II, and III, comprises approximately 182 acres and includes 593 MFH units, three nonresidential buildings (housing office, shoppette, and fire station [Buildings 3000, 3362, and 3366]), and recreational facilities (e.g., playgrounds). If the decision to privatize the MFH area is made, these facilities, in addition to the utility systems, a water tower, and associated water supply building (Facilities 1012 and 1011), would be conveyed to a private contractor. Two undeveloped parcels (approximately 26 acres and 86 acres) adjacent to the existing housing areas would also be conveyed to a private contractor. The 86-acre parcel is referred to as the Manch

Manor IV area. A 50-year lease would be prepared between the Air Force and the contractor for use of the land. The MFH units and other structures would be transferred by deed to the contractor. The contractor would be responsible for demolition of all buildings, with the exception of 13 MFH units, and construction of 811 replacement MFH units within this area.

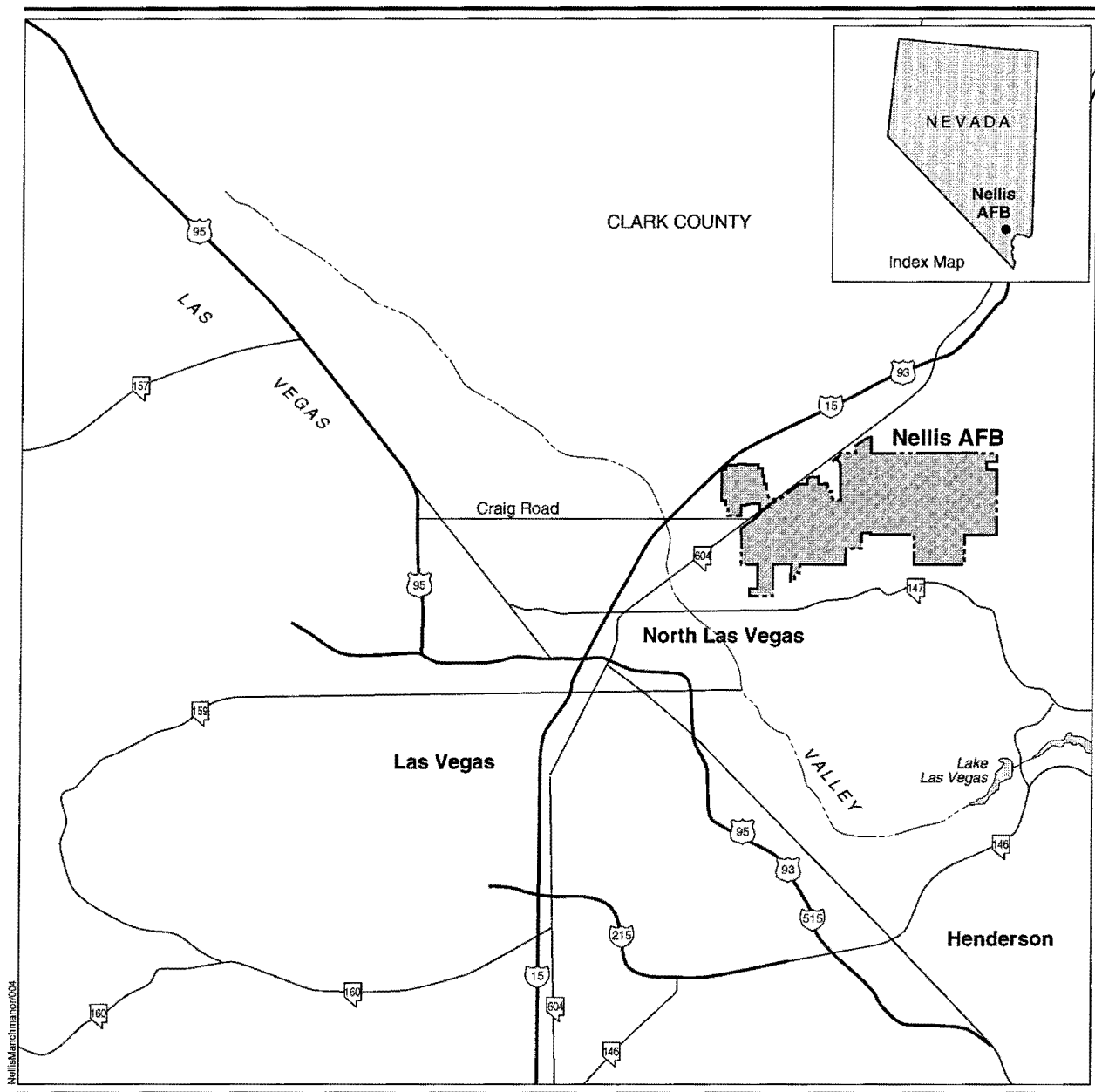
For the purposes of this EBS, all the areas previously described are referred to as the Manch Manor Housing Area. These areas include the existing Manch Manor I, II, and III, and the 26-acre and 86-acre undeveloped areas adjacent to the existing housing areas. The contractor would operate and maintain the Manch Manor Housing Area. The contractor would be required to set aside a site for the possible construction of an elementary school within this area.

The information presented in this EBS is complete and accurate as of November 2001. However, as investigation and remediation efforts under the Environmental Restoration Program (ERP) and other environmental programs continue, the status of facilities and sites within the Manch Manor Housing Area may change. This EBS is based on available environmental information related to past and present storage, release, or disposal of hazardous substances and petroleum products on the installation.

- This EBS will be used by the Air Force, along with other available information, to:
- Develop sufficient information to assess the health and safety risks on the property surveyed, and to determine what actions are necessary to protect human health and the environment
- Support decisions for an environmental suitability decision document, and aid in determining deed/lease restrictions
- Support notice, when required under Section 120(h) of CERCLA, of the type, quantity, and time frame of any storage, release, or disposal of hazardous substances or petroleum products or their derivatives on the property
- Identify data gaps concerning environmental contamination
- Identify potential environmental concerns associated with the property.

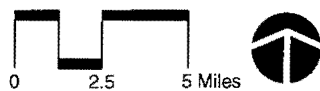
1.1 BOUNDARIES OF THE PROPERTY AND SURVEY AREA

Nellis AFB is situated approximately 8 miles northeast of Las Vegas, in Clark County, Nevada (Figure 1-1). Nellis AFB occupies 11,450 acres, and includes three major functional areas: Area I, the main base; Area II, northeast of the main base, which contains the weapons storage area; and Area III, west of North Las Vegas Boulevard (State Highway 604). The Manch Manor Housing Area, which is in Area III of Nellis AFB, is in the northwest corner of Nellis AFB, north and west of North Las Vegas Boulevard (State Highway 604) (Figure 1-2).



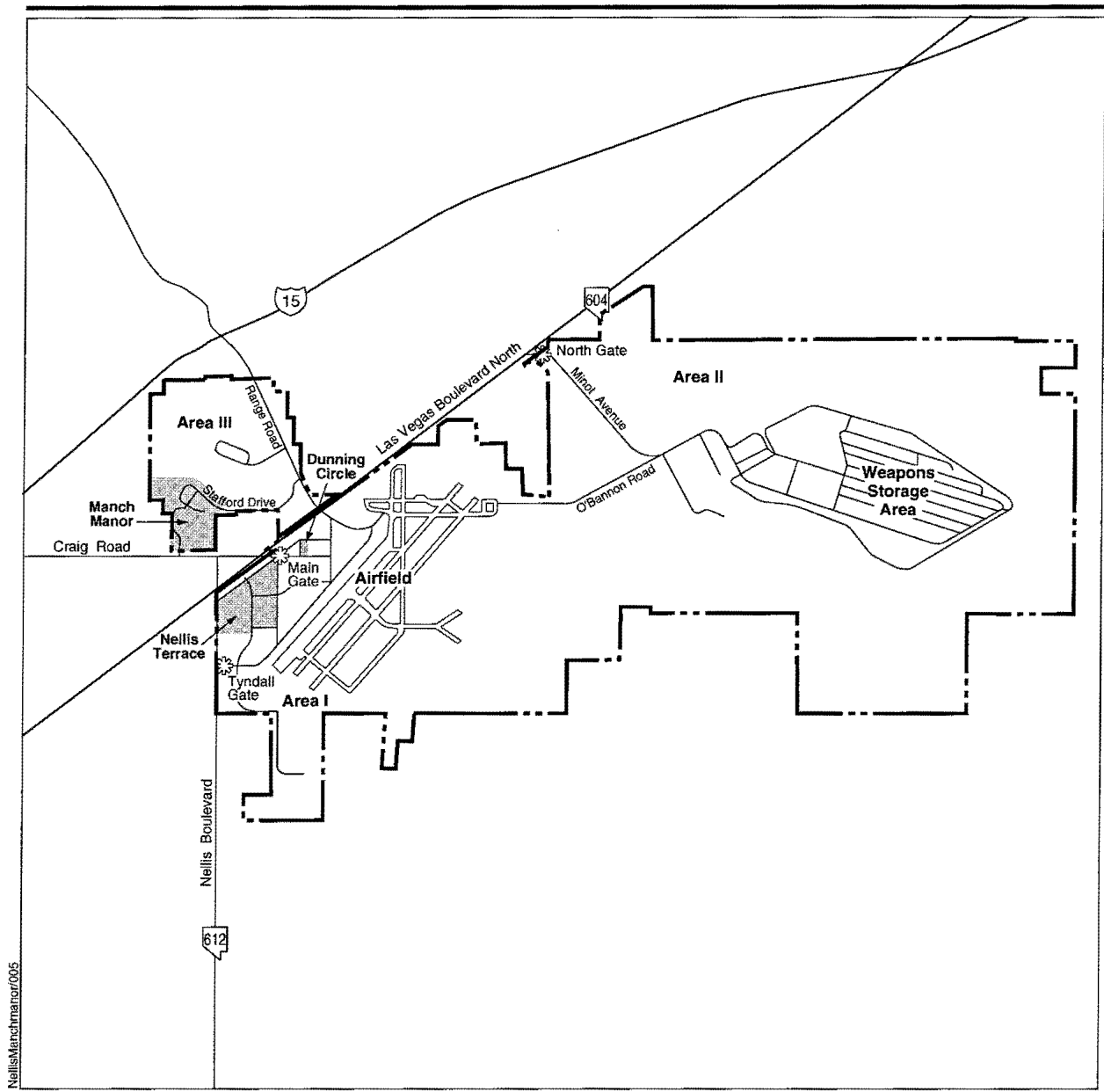
EXPLANATION

-  U.S. Highway
-  Interstate Highway
-  State Highway



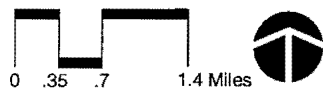
Nellis Air Force Base Regional Map

Figure 1-1



EXPLANATION

-  Interstate Highway
-  State Highway
-  Base Boundary
-  Housing Area
-  Entrance Gate

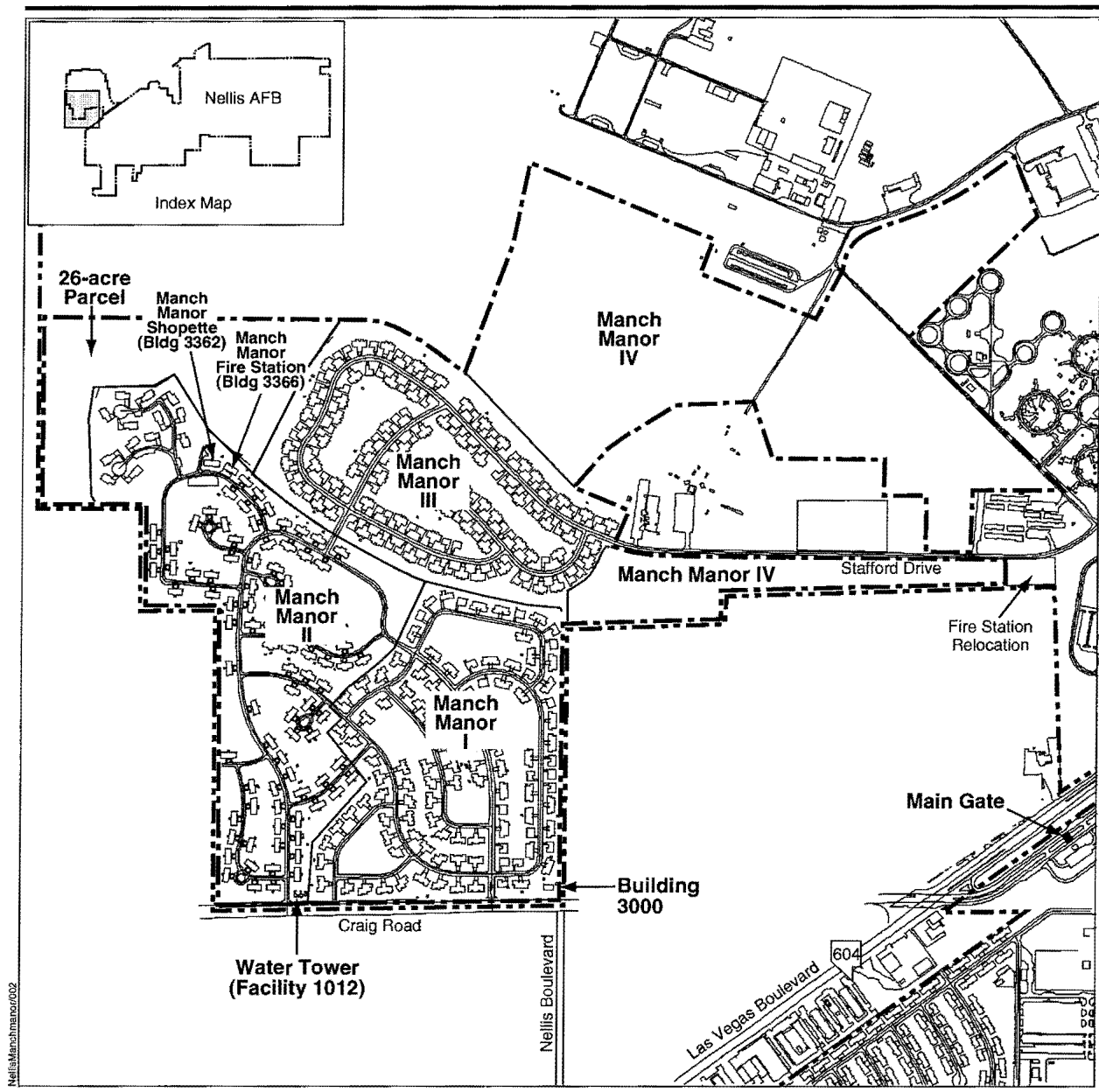


Nellis AFB Installation Map

Figure 1-2

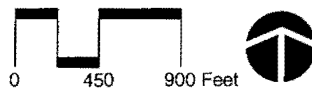
The Manch Manor Housing Area comprises approximately 294 acres, and includes an existing housing area with 593 MFH units and miscellaneous support facilities (approximately 182 acres) and two undeveloped parcels of land adjacent to the existing housing area (approximately 86 acres and 26 acres) (Figure 1-3). All of the existing facilities within the Manch Manor Housing Area, including the MFH units, garages, a shoppette (Building 3362), fire station (Building 3366), a housing office (Building 3000), water tower (Facilities 1011 and 1012), and utility systems would be included in the privatization action. All these structures, except for 13 MFH units, would be demolished. A total of 811 MFH units would be constructed within the Manch Manor Housing Area. An elementary school may also be constructed in this area. The youth center (Building 2999) and its associated recreational facilities (e.g., softball fields, tennis courts), which are situated adjacent to the Manch Manor Housing Area, are not part of the privatization action, and would not be conveyed to a private contractor.

- The findings of this EBS are based on a review of available information and inspection of property associated with:
- Manch Manor Housing Area, which includes both the existing housing area (Manch Manor I, II, and III) and the adjacent 26-acre and the 86-acre (Manch Manor IV) parcels
- Property immediately adjacent to the Manch Manor Housing Area (i.e., having borders contiguous with the boundaries of the area)
- Property within approximately 0.25 mile to 1.0 mile of the Manch Manor Housing Area boundaries with potential environmental concerns.
- The results of the survey for the Manch Manor Housing Area and adjacent property are discussed in Chapters 3.0 and 4.0, respectively.



EXPLANATION

- Installation Boundary
- 604 State Highway
- Manch Manor Housing Area Boundary



Manch Manor Housing Area

Figure 1-3

2.0 SURVEY METHODOLOGY

Based on an analysis of the available data, the facilities and land associated with the Manch Manor Housing Area were classified into one of seven categories:

- *Category 1* - Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas)
- *Category 2* - Areas where only release or disposal of petroleum products has occurred
- *Category 3* - Areas where release, disposal, and/or migration of hazardous substances have occurred, but at concentrations that do not require a removal or remedial response
- *Category 4* - Areas where release, disposal, and/or migration of hazardous substances have occurred, and all removal or remedial actions have been taken storage is noted, as appropriate. However, unless a release has been identified, the property is considered Category 1.
- *Category 5* - Areas where release, disposal, and/or migration of hazardous substances have occurred, and all removal or remedial actions are underway, but have not yet been completed
- *Category 6* - Areas where release, disposal, and/or migration of hazardous substances have occurred, but remedial actions have not been implemented
- *Category 7* - Areas that are not evaluated or require additional evaluation.

Property categories are based on the definitions included in AFI 32-7066. However, in 1996, revisions were made to property categories based on DOD guidance that revised the definition of "uncontaminated" property used in the Category 1 designation. Uncontaminated property is defined as property where no release or disposal of hazardous substances or petroleum products has occurred. Therefore, a property can be considered Category 1, even if hazardous substances or petroleum products are stored on the property. Under the original property category definitions, storage of hazardous substances or petroleum products, even without a release, caused the property to be considered Category 2. Under the revised property category definitions, property associated with the release of a petroleum product is considered Category 2. Within this EBS, hazardous substance storage is noted, as appropriate. However, unless a release has been identified, the property is considered Category 1.

Property categorization is based on the presence and status of substances and conditions defined in CERCLA 101 (14), but not substances or conditions defined in CERCLA 104 (a)(3). The findings of this EBS for each of these substances

and conditions are provided in Sections 3.3 through 3.13. The presence and status of additional substances and conditions was evaluated, and the findings are presented for disclosure purposes only. These are substances and conditions that are not regulated under CERCLA but that may affect the subject property, and CERCLA substances that do not pose a specific risk or hazard to human health or safety if they are maintained and managed properly. The findings of the EBS for these substances and conditions are provided in Sections 3.14 through 3.18; however, these substances and conditions were not used in property categorization.

Land and facilities were categorized independent of each other because of the different real estate transactions associated with each. The ownership of the land will be retained by the Air Force and leased to a private contractor; the facilities will be transferred by deed to the contractor. Each factor was first categorized based on its past or present potential for environmental concern. The categories for all factors present at each location were then considered to determine the overall land or facility category. The highest category would determine the overall category for the land/facility. For example, if a parcel of land had a storage tank classified as Category 2 and an ERP site classified as Category 5, the overall categorization would be a Category 5.

Property in the first four categories is eligible for deed transfer (Department of Defense, 1995). Property in the last three categories will not be considered for transfer until the necessary actions have been taken, and the property has been reclassified into one of the first four categories. Leases are permitted for property within the first four categories, and would be considered on a case-by-case basis for properties within the last three categories.

Pursuant to U.S. Environmental Protection Agency (EPA) and DOD guidance, this EBS identifies property as uncontaminated, even if some limited quantity of hazardous substances or petroleum products was released or disposed of in cases where the available information indicates that such release or disposal poses no threat to human health or the environment. Examples, as provided in the U.S. EPA guidance, include usage of common household chemicals and storage of heating fuel in base housing areas, incidental releases of petroleum products on roadways and parking lots, and the routine licensed application of pesticides (U.S. Environmental Protection Agency, 1994).

2.1 APPROACH AND RATIONALE

A methodical process was followed for this EBS in which available information was analyzed and conclusions were drawn about the condition of the Manch Manor Housing Area. First, property records were reviewed to identify historic land and facility uses that may be primary indicators of potential contamination. Studies and field investigations based on CERCLA and Resource Conservation and Recovery Act (RCRA) (42 U.S.C. Section 6901, et seq.) requirements were then reviewed to identify areas where the presence (or absence) of contamination has been confirmed. Audits and surveys (e.g., asbestos-containing material [ACM], lead-based paint [LBP], radon) were reviewed to identify any other environmental concerns. In addition, installation personnel were interviewed, and

the land and facilities were physically inspected to identify evidence of stressed vegetation, stained soils, unusual odors, or other issues that might indicate the presence of contamination.

2.1.1 Documents Reviewed

The records search of available documentation focused primarily on records, reports, maps, and aerial photographs maintained by the 99th Civil Engineer Squadron (99 CES).

Various studies, investigations, and inspections that consider environmental conditions at Nellis AFB, including regulatory compliance issues, have been conducted by the Air Force and other state and federal agencies in the past several years. The results of these studies and investigations provided the initial baseline used to develop this EBS, and are referenced throughout this document. The primary types of studies or investigations include the following:

- ERP studies
- Basewide environmental and infrastructure studies (e.g., ACM, LBP, radon surveys)
- Installation planning documents (e.g., Integrated Natural Resources Management Plan [INRMP], Cultural Resources Management Plan [CRMP])
- EBSs and National Environmental Policy Act (NEPA) documentation for the subject properties
- State regulatory documentation contained in the base files.

As part of the records search, historic aerial photographs and maps were reviewed and analyzed to assist in identifying past land and facility uses and potential environmental contamination sources, and to verify other information found in the records search. A detailed list of references used in preparing this EBS is presented in Appendix D.

2.1.2 Property Inspections

Visual site inspections (VSIs) were conducted in November 2001 and May 2002 to verify characteristics or features identified in the records search, and to identify other potential environmental concerns related to the property associated with the Manch Manor Housing Area.

VSIs of all nonresidential facilities (i.e., shoppette, fire station, housing office, horse stables, and water tower) and a representative sample of MFH units were conducted to determine or confirm the presence (or absence) of environmental contamination or concerns including unusual odors, stained soils, stressed vegetation, underground storage tanks (USTs), or other indications of potential contamination. Three MFH units, one each in Manch Manor I, II, and III, were

inspected. Each of the MFH units inspected were representative of the other floor plans within that housing area.

VSIs of each housing unit were not performed based on the residential nature of the MFH units. Large quantities of hazardous materials or hazardous waste are not typically used or stored within residential structures. Activities that occur within MFH units and housing areas do not utilize processes that are of potential concern to the environment, as do industrial structures. In addition, MFH units do not require individual inspections due to the similarity of construction methods and materials. MFH units within the Manch Manor Housing Area were constructed in various phases. MFH units that were constructed within the same phase or the same time period, likely were built in a similar manner using similar construction materials. VSIs of similar housing unit types would not reveal any additional information. Finally, compliance programs are in place that address issues of potential concern (i.e., ACM, LBP, radon) within MFH units. The scope of this EBS does not include inspections of MFH units for these issues, as these types of surveys have been performed, and required response or remedial actions have or are being conducted under existing compliance programs.

A windshield survey was conducted from roads throughout the Manch Manor Housing Area to identify potential environmental contamination. Manch Manor Housing Area facilities are listed, and their key characteristics summarized in Table 6-1. Photographs taken during the site visit of the Manch Manor Housing Area are provided in Appendix C.

2.1.3 Personnel Interviews

During the records search and VSIs, Nellis AFB personnel were interviewed to identify potential environmental concerns related to recent and historic operations on the Manch Manor Housing Area, and to verify information found during the records search. A list of individuals contacted during preparation of this EBS is provided in Chapter 8.0. Primary contacts were made with personnel from 99 CES and Bioenvironmental Engineering (BEE). Principal Civil Engineer contacts included personnel from the Environmental, Engineering, and Housing Management Flights, and the Real Estate section.

Table 2-1. Personnel Interviewed

Barbara Burnham	99 CES/CEH	Housing
James Campe	99 CES/CEVN	National Environmental Policy Act
Monica Eichler	99 CES/CEVC	PCBs, LBP, asbestos, radon
D.J. Haarklau	99 CES/CEVC	Storage tanks
Lynn Haarklau	99 CES/CEVN	Cultural Resources
Major Lana Harvey	99 AMDS/SGPB	Bioenvironmental Engineering
Joe Lepore	99 CES/CERR	Real Estate
Keith Myhrer	99 CES/CEVN	Cultural Resources
John Roe	99 CES/CEVC	Water and Wastewater
Bill Sandeen	99 CES/CEVN	Environmental Management
Bernd Schmidt	99 CES/CEVR	ERP
Eric Watkins	99 CES/CEVN	Biological Resources

2.1.4 Sampling

No samples for testing or analysis were collected as part of this EBS.

2.1.5 Limitation of the EBS

VSIs were not conducted for all facilities within the Manch Manor Housing Area. All nonresidential facilities and a representative sample of residential units received a VSI. The interiors and exteriors of one housing unit within each of the three phases of the Manch Manor Housing Area (Manch Manor I, II, and III) were visually inspected. VSIs of all MFH units were not performed based upon the residential nature of the structures, the commonality of construction methods and materials, and the existence of other compliance programs that address issues of concern (i.e., ACM, LBP, radon) in MFH units.

ACM and LBP sampling results were not available for all MFH units. Based on the results of sampling conducted in a representative number of MFH units, all MFH units have the potential to contain ACM and LBP, except for the 13 units in Manch Manor II constructed in 1993. This assumption is based on similarities in construction type, dates, and materials. The 13 units in Manch Manor II would not be expected to contain LBP because they were constructed after the DOD ban on LBP. Because these 13 units have recent construction dates (i.e., 1993), ACM is not expected to be present. However, no ACM surveys have been conducted; therefore, this information cannot be confirmed.

The shoppette and fire station were originally constructed as MFH units in Manch Manor II, and were converted to serve their current functions. Therefore, it is assumed that these buildings have the same potential to contain ACM and LBP as the other MFH units in Manch Manor II with similar construction dates, type, and materials.

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3.0 FINDINGS

This chapter presents the findings of the records search, interviews, and VSIs. An overview of the history and land use for the Manch Manor Housing Area is presented in Section 3.1. Section 3.2 provides a description of the environmental setting, including relevant information on topography and surface drainage patterns, groundwater hydrology, soils and geology, and utility systems. Sections 3.3 through 3.13 present the findings for factors used in property categorization. Sections 3.14 through 3.18 present findings on disclosure issues only. These factors were not used in property categorization.

The data within each factor have been organized into a table provided in Section 6.1 of this EBS. The data listed in the text and table are based upon information obtained from Nellis AFB during the records search and VSIs conducted in November 2001 and May 2002.

3.1 CURRENT AND HISTORICAL USAGE

3.1.1 Current Land Use

The Manch Manor Housing Area currently contains both residential and undeveloped areas. Within the residential area are a retail store (shoppette) and a fire station.

3.1.2 Historic Land Use

Based on a review of data and aerial photographs, the land currently occupied by the housing areas was undeveloped prior to being acquired and developed by the Air Force. It appears that the existing Manch Manor MFH units were the first structures constructed on the land in this area. The Manch Manor area was developed in three phases. The Manch Manor I area was developed in 1960, the Manch Manor II area was developed in 1971, and the Manch Manor III area was developed in 1975. An additional 13 senior officers houses were constructed at the northwest corner of Manch Manor II in 1993. The Manch Manor Housing Area was acquired by the Air Force over a period of 16 years. The Manch Manor I area and the south 1/2 of Manch Manor II was acquired in 1957 from Jack Hyman, et al. The Manch Manor II area was acquired over a period of 3 years, from 1954 to 1957, from four different landowners: A.T. Hoffman, Hyman Brown, Lenny Harmon, and Jack Hyman, et al. The Manch Manor III area was acquired over a period of 13 years, from 1941 to 1954, from four different landowners: John F. Dixon, et ux, A.T. Hoffman, Lenny Harmon, and The Aeroville Corporation. The Manch Manor IV area was also acquired over a period of 13 years, from 1941 to 1954, from four different landowners: John F. Dixon, et ux, M.W. Purcell, et ux, the City of Las Vegas, and The Aeroville Corporation.

3.2 ENVIRONMENTAL SETTING

This section provides a description of the topographic features, hydrogeologic features, and utility systems for Nellis AFB and the Manch Manor Housing Area.

3.2.1 Topographic Features

3.2.1.1 Topography.

Nellis AFB is situated within the north portion of the Las Vegas Basin in the south part of the Las Vegas Valley. The area is characterized primarily by flat alluvial deposits with north-south trending mountain ranges to the north and east. Most of Nellis AFB is relatively flat. Over most of the base, slopes are 1 percent or less (U.S. Air Force, 1999). Elevations within the Manch Manor Housing Area range from approximately 1,900 feet above mean sea level (MSL) in the northwest to approximately 1,870 feet above MSL in the southeast (U.S. Department of the Interior, Geological Survey, 1973).

3.2.1.2 Soils.

In the Soil Survey of Las Vegas Valley Area, Nevada, Part of Clark County (U.S. Department of Agriculture, 1985), soils in the Manch Manor area are mapped as Glencarb silt loam, Las-Vegas-Destazo complex, 0 to 2 percent slopes, Las Vegas-McCarren-Grapevine complex, 0 to 4 percent slopes, and Las Vegas-Skyhaven complex, 0 to 4 percent slopes. The following soil descriptions are derived from the soil survey.

The primary soil unit in the Manch Manor Housing Area is the Las Vegas-Destazo complex, 0 to 2 percent slopes. This map unit consists of intermingled Las Vegas gravelly fine sandy loam (60 percent), Destazo fine sandy loam (25 percent), and other soils (15 percent). The Las Vegas soil is shallow, and the Destazo soil is very deep. Both soils are well drained and formed in alluvium derived dominantly from limestone, dolomite, and sediment that has a high content of lime. An indurated, lime-cemented hardpan at a depth of 3 to 14 inches occurs in the Las Vegas soil. Both have a moderately slow permeability. Available water capacity is low in Las Vegas soil and moderate in Destazo soil. For both soils, runoff is slow and the hazard of water erosion is slight, but the hazard of blowing soil is high. Primary limitations of these soils for construction are the hazard of flooding and limited depth to hardpan in the Las Vegas soil. Both soils are subject to rare periods of flooding from prolonged, high-intensity storms.

Glencarb silt loam is found in the southwestern corner of Manch Manor II. This soil is a very deep, well-drained soil on recent alluvial flats. It is formed in alluvium derived from various kinds of rocks. Permeability is moderately slow, and available water capacity is high. Runoff is slow, and the hazard of water erosion is slight, but the hazard of blowing soil is high. The main limitation of this soil for construction is the hazard for flooding; it is subject to rare periods of flooding from prolonged, high-intensity storms.

The Las Vegas-McCarren-Grapevine complex, 0 to 4 percent slopes, is found in the northwest corner of Manch Manor II. This complex consists of intermingled Las Vegas fine gravelly loam (40 percent), McCarren fine sandy loam (25 percent), Grapevine very fine sandy loam (20 percent), and other soils (15 percent). The Las Vegas soil was described above under the Las Vegas-Destazo complex. The McCarren soil formed in alluvium derived from limestone, sandstone, and gypsiferous sediment. The Grapevine soil formed in alluvium derived from different types of rocks that have a high content of gypsiferous material. Both the McCarren and Grapevine soils are very deep and well drained. Permeability is moderate in Grapevine soil and moderately slow in McCarren soil. Available water capacity is moderate in McCarren soil and high in Grapevine soil. For both soils, runoff is slow and the hazard of water erosion is slight, but the hazard of blowing soil is high. Both soils are subject to rare periods of flooding from prolonged, high-intensity storms. Primary limitations of the soils in this complex for construction are the hazard of flooding and limited depth to hardpan in the Las Vegas soil. Gypsum in the McCarren and Grapevine soils can corrode concrete, and excessive irrigation can dissolve gypsum in the soil resulting in subsidence.

The Las Vegas-Skyhaven complex, 0 to 4 percent slopes, is found in the currently undeveloped portion of the Manch Manor Housing Area referred to as Manch Manor IV. This complex consists of intermingled Las Vegas fine gravelly loam (60 percent), Skyhaven very fine sandy loam (30 percent), and Weiser soils (10 percent). The Las Vegas soil was described above under the Las Vegas-Destazo complex. The Skyhaven soil formed in alluvium derived dominantly from limestone, dolomite, and other rock that has a high content of lime. It is moderately deep and well drained. Permeability is moderately slow and available water capacity is moderate. Runoff is slow and the hazard of water erosion is slight, but the hazard of blowing soil is high. An indurated lime-cemented hardpan is found at a depth of 24 to 40 inches. The soil is subject to rare periods of flooding from prolonged, high-intensity storms. Primary limitations of the soils in this complex for construction are the hazard of flooding and limited depth to hardpan in the Las Vegas soil. Gypsum in the Skyhaven soil can corrode concrete.

Although the soil survey descriptions indicate that these soils are subject to rare periods of flooding, flooding of houses has occurred within the Manch Manor Housing Area three times within the last 5 years.

3.2.1.3 Surface Drainage.

Nellis AFB is in the Colorado River Drainage Basin. Natural surface waters and perennial streams do not exist because of low precipitation, high evaporation, and low humidity. Local thunderstorms are intense enough at times to cause flash flooding; however, most precipitation is lost through evaporation and transpiration. No perennial or ephemeral streams, natural lakes, or other open bodies of water, except for manmade impoundments, are found on Nellis AFB (U.S. Air Force, 1999). Although a portion of the base lies within a 100-year floodplain, the floodplain area is not developed. The Manch Manor Housing Area is not within a 100-year floodplain (Environmental Data Resources, Inc., 2002).

However, some MFH units in Manch Manor II have repeatedly experienced flooding when a surface water drainage channel overflowed (99th Civil Engineering Squadron, 2001).

Surface drainage on Nellis AFB generally flows south on the west portion of the base, and southwesterly on the east portion of the base. Most drainage from the base flows through Outfall 001, a concrete channel in the southwestern portion of the base. This channel discharges to the Las Vegas Wash at a point approximately 10 miles south of the base. The Las Vegas Wash eventually discharges into Lake Mead. Within Outfall 001, a large detention basin collects runoff from the east part of the base. Within the Manch Manor Housing Area, drainage generally flows in a south/southeast direction (Montgomery Watson, 2001).

Nellis AFB has a Storm Water Pollution Prevention Plan (SWPPP) (Montgomery Watson, 2001) prepared in accordance with the Nevada General Discharge Permit for Storm Water Discharges Associated with Industrial Activity (Nevada Industrial Storm Water General Permit Number GNV0022233). This permit is administered by the Nevada Division of Environmental Protection. The base is subject to the permit because the base includes facilities where industrial activities occur, as defined by 40 Code of Federal Regulations (CFR) Part 122.26(b)(14). These activities include hazardous waste treatment, storage, or disposal activities; landfills receiving industrial waste; recycling facilities; transportation facilities; and light industrial facilities. The SWPPP identifies and recommends strategies to control non-storm water discharges (Montgomery Watson, 2001).

3.2.2 Hydrogeologic Features

3.2.2.1 Geology.

Nellis AFB is situated within the Las Vegas Valley, which is a basin in the Basin and Range physiographic province. The Las Vegas Valley is surrounded by mountains comprised primarily of sedimentary and volcanic bedrock. The most abundant rock types are limestone and dolomite in the mountains west, north, and east of the valley. The alluvial sediments generally become finer grained from west to east within the valley. These valley fill deposits are estimated to range from 2,000 to 5,000 feet thick beneath Nellis AFB (Black and Veatch, 2001).

3.2.2.2 Groundwater.

The Las Vegas basin contains large groundwater reservoirs. The deep aquifers are pumped for municipal water supplies in most areas of the basin, and provide approximately 17 percent of the water supply for the Las Vegas metropolitan area. Groundwater flow in the Las Vegas Valley is generally from west to east. When groundwater reaches the east side of the basin, the flow turns southerly. The groundwater quality in deeper aquifers is generally good, but becomes poorer in the downgradient direction as it accumulates dissolved minerals. As a result, groundwater in the east and south parts of the valley has relatively high

levels of total dissolved solids (TDS). In some parts of the valley, a shallow aquifer has developed from excess irrigation and other types of urban runoff. This shallow aquifer has a high level of TDS and is not used for potable water. This shallow aquifer does not occur in the Nellis AFB area (Black and Veatch, 2001).

Beneath the base, groundwater within the deeper aquifers flows from the west and the northwest, and then turns south while moving beneath the southern and eastern parts of the base. Volatile organic compound and nitrate contaminants have been identified in the shallow groundwater at some locations on the base. These contaminants have not been found in the deeper aquifers under the base. Groundwater elevations in the North Las Vegas area have risen since 1988 because of recharge through injection wells (Black and Veatch, 2001).

3.2.3 Utilities

A brief description of the existing utility systems (i.e., electrical, water, wastewater, natural gas, and solid waste) at Nellis AFB is provided below.

3.2.3.1 Electrical.

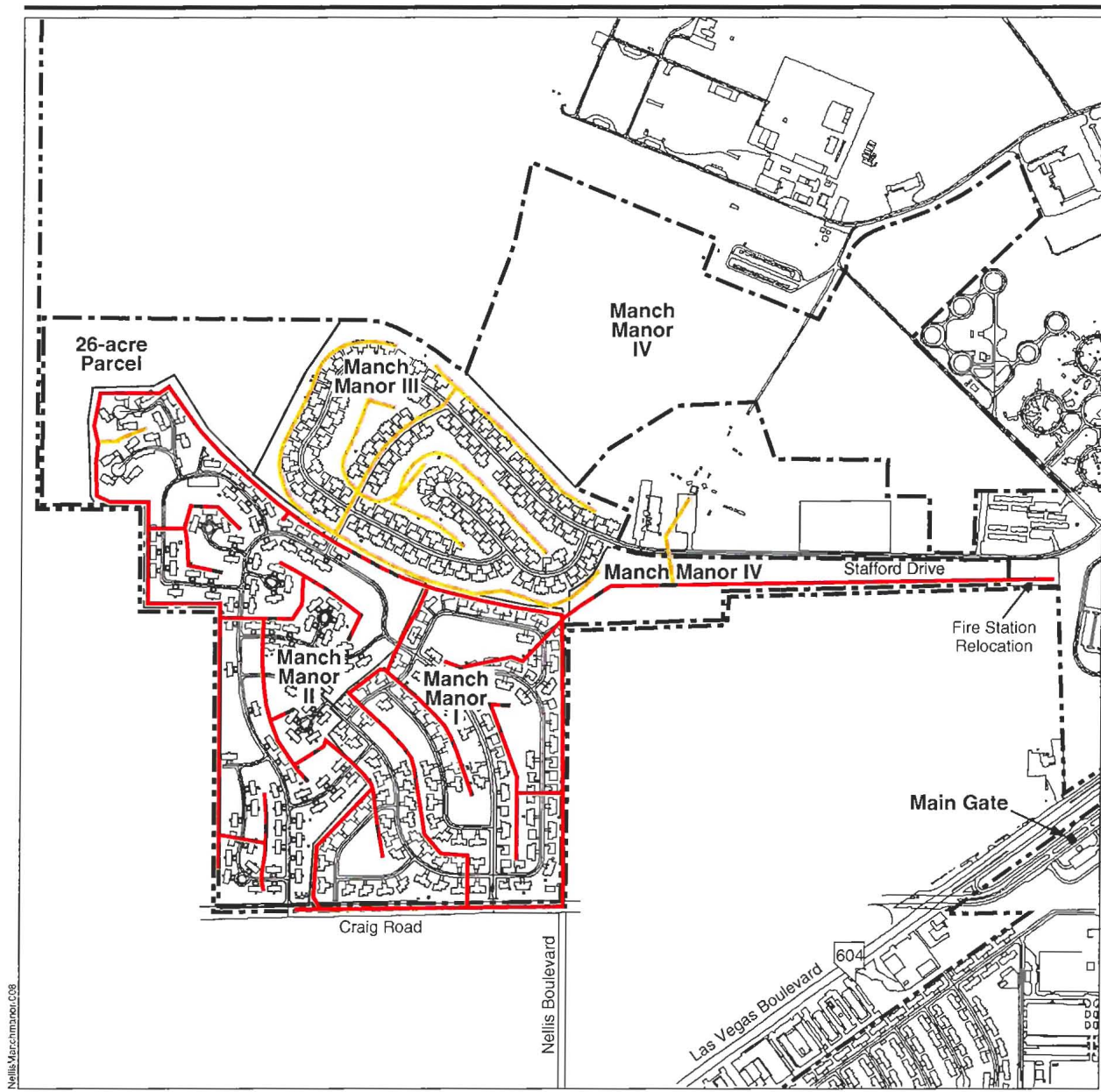
The electrical distribution system at Nellis AFB consists of nine 12.47/7.2-kilovolt (kV) feeders. These feeders are supplied from a base-owned substation, which is supplied from a single 69-kV Nevada Power Company incoming primary feed (Headquarters Air Combat Command, 2001). The power is drawn from the Hoover Dam power grid. The base's substation is situated adjacent to the North Gate, which is east of the Main Gate on Las Vegas Boulevard. Power is distributed throughout the base via 545,000 linear feet (LF) of overhead cables and 441,000 LF of underground cables. The 69-kV primary power is transformed to 12.47 kV by two 33-megawatt (MW) transformers. The peak recorded load on one transformer has been 23 MW (Higginbotham/Briggs and Associates, 1997).

Nellis AFB, including the Manch Manor Housing Area, has met the criteria established by the Air Force as being "polychlorinated biphenyl (PCB)-free" (Headquarters Air Combat Command, 1998). However, equipment that contains PCBs may still be present within the installation. Transformers and electrical equipment with PCB concentrations of less than 50 parts per million (ppm) are present on base.

The majority of the electrical distribution system in Manch Manor I, II, and III is underground. Power enters the Manch Manor Housing Area via overhead lines at the southeast corner of Manch Manor I. Figure 3-1 depicts the electrical distribution system at the Manch Manor Housing Area. No electrical lines have been identified within the Manch Manor IV area.

3.2.3.2 Water.

Nellis AFB obtains its potable water supply from two main sources: nine base wells and the Southern Nevada Water Authority (SNWA). A small amount of water is also purchased from the city of North Las Vegas. Recent reports



EXPLANATION

- Installation Boundary
- 604 State Highway
- Manch Manor Housing Area Boundary
- Electrical Distribution System (overhead)
- Electrical Distribution System (underground)



Electrical Distribution System, Manch Manor Housing Area

Figure 3-1

indicated the base average-day water demand ranges from 1.6 million gallons per day (MGD) in the winter to 7.0 MGD in the summer. The majority of the increase during the summer is attributed to irrigation. Water storage consists of 7.5 million gallons including both elevated and ground storage tanks. Water distribution lines consist of cast iron, asbestos cement, and polyvinyl chloride (PVC) (Headquarters Air Combat Command, 2001). There are eight potable water storage tanks on the base with a total capacity of 5 million gallons (Higginbotham/Briggs and Associates, 1997).

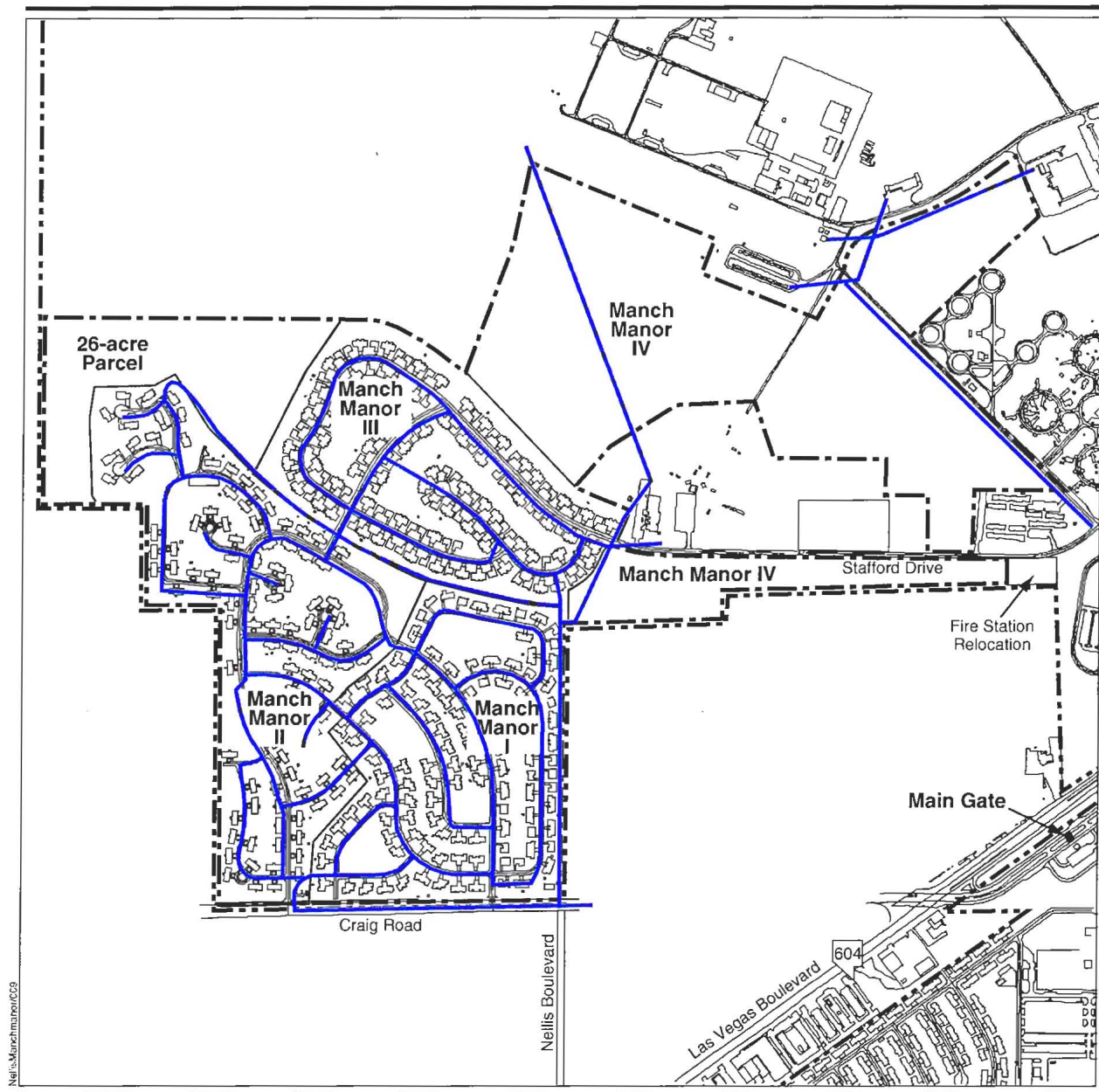
Three of the nine base wells are situated off base on two Air Force-owned parcels approximately 3.5 miles west of the main base on Craig Road.

These parcels are referred to as the Water Wells Annex. Water from the Water Wells Annex is delivered to the base through 5.5 miles of transmission line. Approximately 2 miles were upgraded from 10 inch to 14 inch when Craig Road was widened. The remaining 3.5 miles are deteriorated and experiencing approximately four breaks each year (Headquarters Air Combat Command, 2001). No water wells are in the Manch Manor Housing Area. The water supply enters the Manch Manor Housing Area from a water line that extends along the east side of Manch I and III. Figure 3-2 depicts the water distribution system at the Manch Manor Housing Area.

One elevated water tower and associated water supply building (Facilities 1012 and 1011, respectively) are situated within Manch Manor II. The water tower has a capacity of 100,000 gallons, and is in a deteriorated condition. Nellis AFB hired a contractor to evaluate the condition of the water tower, and it was determined that the steel thickness in the tank is severely reduced from corrosion. The deterioration was caused by inadequate cathodic protection within the tank (Headquarters Air Combat Command, 2001).

3.2.3.3 Wastewater.

Wastewater from Nellis AFB is discharged to the Clark County Sanitation District (CCSD) for treatment at the wastewater treatment plant. The on-base wastewater system, including the Manch Manor Housing Area, includes 382,000 LF of gravity sewer mains and 12 sewage pumping stations. Piping consists of vitrified clay, concrete, and PVC (Headquarters Air Combat Command, 2001). The base discharges 1.5 MGD of wastewater to the CCSD. Domestic wastewater accounts for 90 to 95 percent of the total discharge from the base. Wastewater from most of the base is discharged to a CCSD line on Nellis Boulevard at Cheyenne Road (Higginbotham/Briggs and Associates, 1997). There are no wastewater pumping stations within the Manch Manor Housing Area. The sewer mains within the Manch Manor Housing Area flow to the south, and connect to the CCSD line at three locations on Craig Road. Figure 3-3 depicts the wastewater system within the Manch Manor Housing Area.

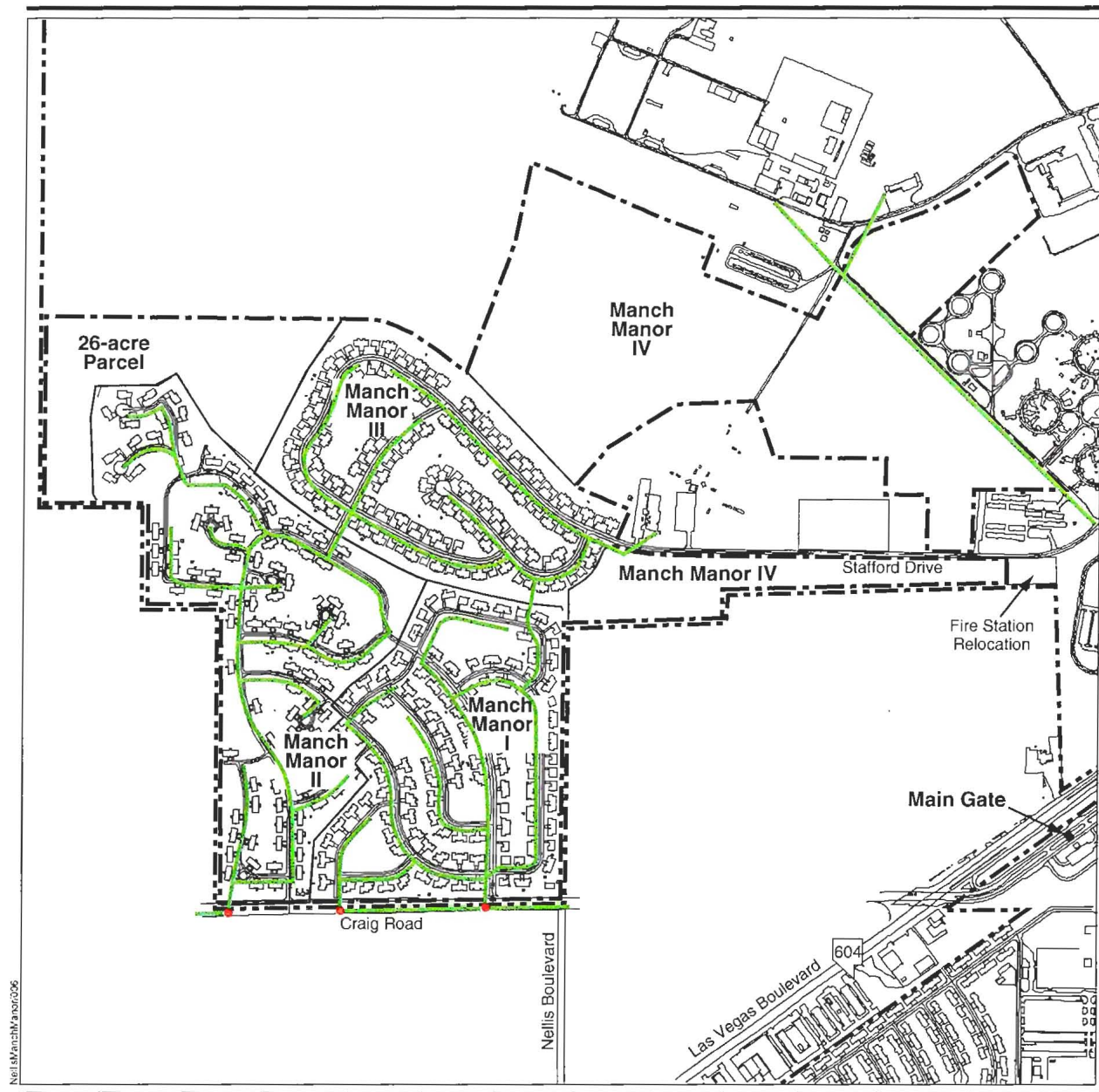


EXPLANATION

- Installation Boundary
-  State Highway
- Manch Manor Housing Area Boundary
- Water Distribution System

Water Distribution System, Manch Manor Housing Area

Figure 3-2



EXPLANATION

- Installation Boundary
- 604 State Highway
- Manch Manor Housing Area Boundary
- Wastewater System
- Connection to Clark County Sewer District



Wastewater System, Manch Manor Housing Area

Figure 3-3

3.2.3.4 Natural Gas.

Natural gas is provided to Nellis AFB by the Southwest Gas Company via a high-pressure transmission line at five locations along Las Vegas Boulevard North (State Highway 604). Lines enter the base just north of the Nellis Terrace Housing Area, along Craig Road at the southeast end of the Manch Manor Housing Area, and at three locations between the Main Gate and North Gate entrances to the base. There are three metering stations near the MFH areas: one station at the entrance to the base north of the Nellis Terrace Housing Area, one station at the entrance near the Manch Manor Housing Area, and one station just southwest of the North Gate of the base. The main base has approximately 20 miles of gas mains/lateral lines. The military family housing areas, which includes the Manch Manor Housing Area, have approximately 19.3 miles of gas lines. The gas distribution system on main base and in the housing areas is owned and operated by the base. All of the gas lines on the main base and the housing areas are polyethylene lines (Headquarters Air Combat Command, 2001). Figure 3-4 depicts the natural gas distribution system at the Manch Manor Housing Area.

3.2.3.5 Solid Waste.

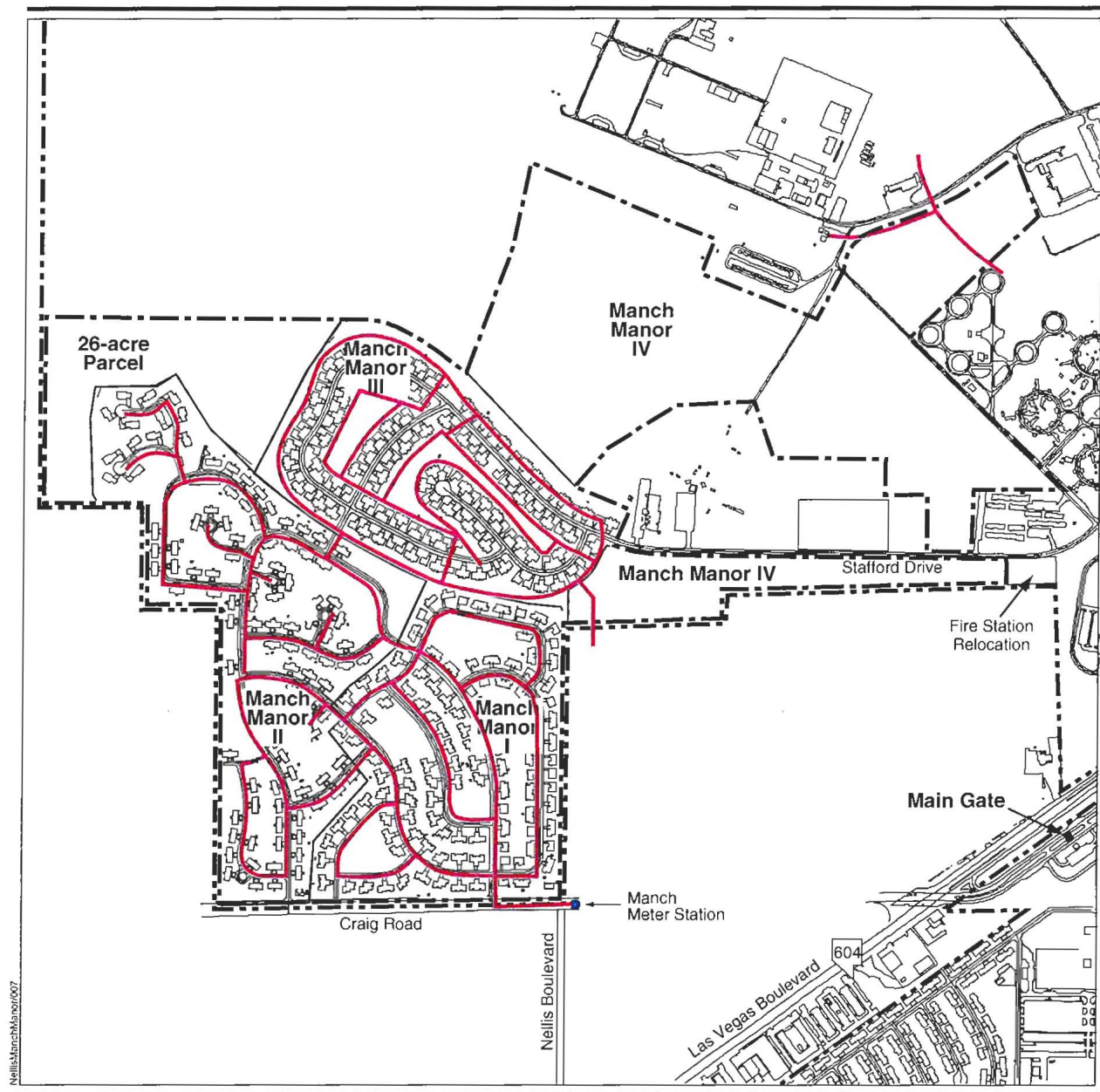
Solid waste collection and disposal services at Nellis AFB are handled by a private contractor. In addition to municipal waste collection, curb-side pick-up for recyclables, consisting of cardboard, paper, glass, plastics, and aluminum is also provided. There are recycling points throughout Nellis AFB where the contractor collects recyclables from administrative facilities. Municipal solid waste is disposed of at the Apex Regional Landfill, situated 18 miles northeast of Las Vegas, in the Garnet Valley. The facility is a Class I landfill permitted by the Nevada Division of Environmental Protection and is operated by Silver State Disposal Services Inc. The 1,202-acre landfill, which opened in 1993, was designed with a refuse capacity of approximately 784 million cubic yards and a service life of 85 years. It currently processes approximately 6,940 tons per day of municipal solid waste (Nevada Department of Environmental Protection, 2002).

3.3 HAZARDOUS SUBSTANCES

3.3.1 Hazardous Materials and Petroleum Products

Nellis Air Force Base Plan 19-1, Facility Response Plan incorporates the emergency response requirements of the Clean Water Act (CWA) (as amended by the Oil Pollution Act of 1990), the Clean Air Act, and RCRA into a single document that is formatted as the U.S. EPA's model facility response plan. It also provides emergency response guidance mandated by the Occupational Safety and Health Administration (OSHA). The plan describes the spill prevention, control, and countermeasures procedures implemented and the contingency plan for releases at Nellis AFB (Nellis Air Force Base, 1999).

Small quantities of hazardous substances were noted to be stored in Building 3366 (fire station) and Building 3362 (shoppette) (Figure 3-5). With the exception of small quantities of household hazardous materials (e.g., paints, thinners,



EXPLANATION

- Installation Boundary
- State Highway
- Manch Manor Housing Area Boundary
- Natural Gas Distribution System
- Meter Station



Natural Gas Distribution System, Manch Manor Housing Area

Figure 3-4

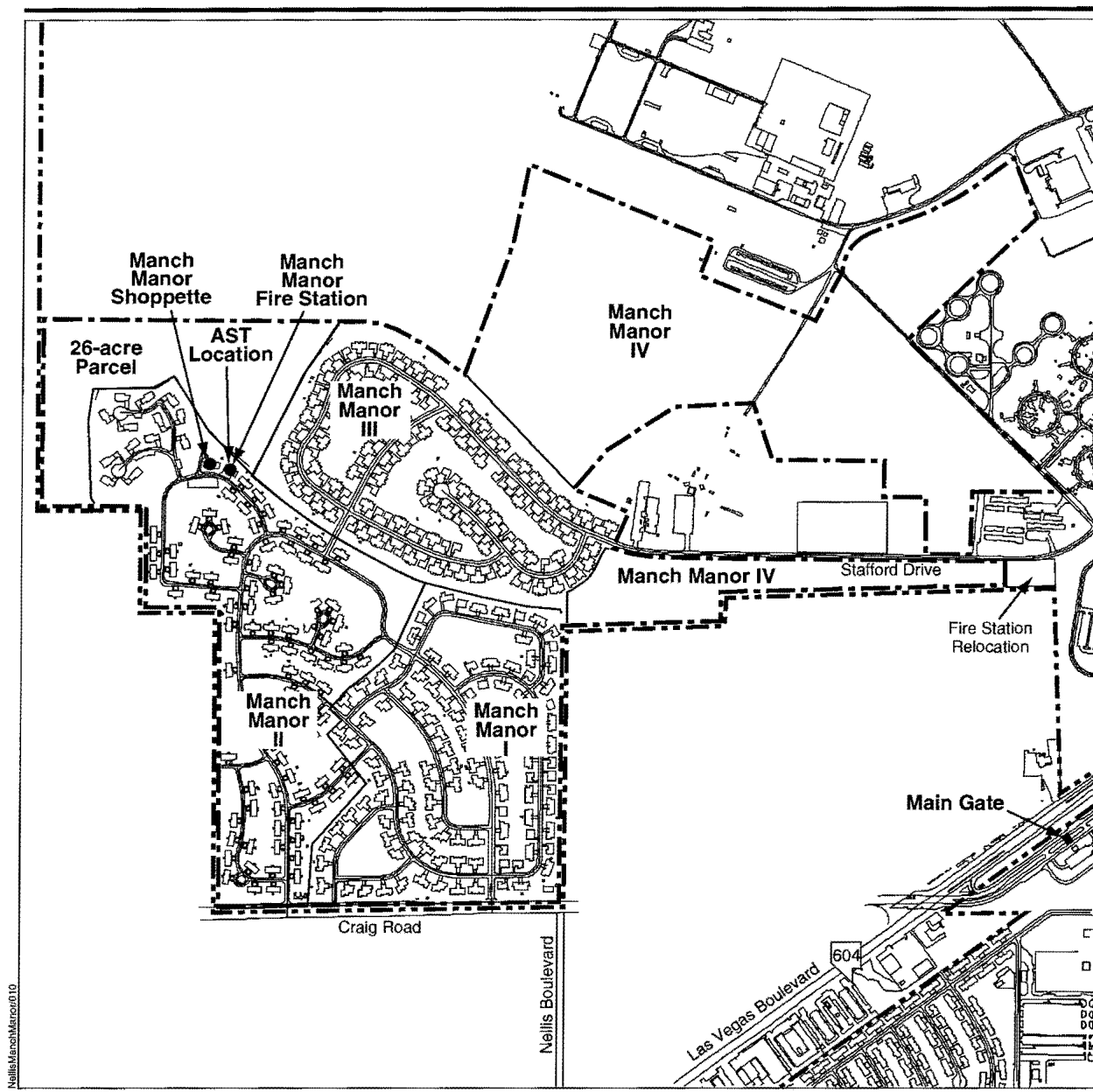


Figure 3-5

household cleaners) stored by residents within the MFH units in the Manch Manor Housing Area, these buildings are the only buildings within the housing area that store hazardous materials. Only small quantities of household hazardous materials were stored in the fire station. These included glass cleaner, chrome polish, and gasoline (for use in a lawn mower). Hazardous materials stored within the shoppette included janitorial cleaning supplies used in the building, and motor oil and cleaning supplies that are among the goods available for sale within the store. Housekeeping practices within both buildings were noted to be good; no releases of hazardous substances were noted during the VSIs.

Petroleum products typically stored at Air Force installations include motor fuels; petroleum, oil, and lubricants (POL), solvents; and hydraulic fluid. Household quantities of petroleum products may be stored or utilized within the Manch Manor Housing Area by residents, the Manch Manor shoppette, and the Manch Manor fire station. With the exception of household petroleum products and petroleum products stored in storage tanks (see Section 3.3.3), there are no buildings within the Manch Manor Housing Area that store petroleum products.

Based upon the methodology presented in Chapter 2.0, no evidence of a release was identified during the VSIs and records search; therefore, the Manch Manor Housing Area land and facilities are considered Category 1 for hazardous materials management.

3.3.2 Hazardous and Petroleum Waste

Procedures for management of hazardous waste generated at Nellis AFB are described in the Nellis Air Force Base Plan 12, Hazardous Waste Management Plan (Nellis Air Force Base, 2000a). Hazardous waste is collected at initial accumulation points (IAPs) throughout the base. Waste is then transferred to the 90-day Central Accumulation Site (CAS) in Building 853. Environmental Flight manages the 90-day CAS under the RCRA Part B permit standards. The Defense Reutilization and Marketing Office (DRMO) issues a contract delivery order, and a permitted waste contractor determines the appropriate treatment and disposal options, and arranges for a licensed transporter to pick up the waste and transport it to a final disposal site (Nellis Air Force Base, 2000a).

No hazardous waste is stored within the Manch Manor Housing Area. Small quantities of household hazardous waste may be generated by residents, the Manch Manor shoppette, and the Manch Manor fire station; however, quantities of waste are minimal, and hazardous waste restrictions and regulations for storage and disposal of household hazardous waste do not apply. Based upon the methodology presented in Chapter 2.0, no evidence of a release of hazardous waste was identified during the VSIs and records search for the Manch Manor Housing Area. Therefore, the land and facilities within the housing area are considered Category 1 for hazardous waste management.

3.4 INSTALLATION RESTORATION PROGRAM

The Installation Restoration Program (IRP) was established to identify, characterize, and remediate CERCLA/RCRA-related contamination on Air Force installations. The program began with a June 1980 DOD Environmental Quality Program Policy Memorandum (DEQPPM 80-6) requiring identification of past hazardous waste disposal sites. The program was designed to evaluate past disposal sites, control the migration of contaminants, and control potential hazards to human health and the environment. The first major investigation under the IRP was initiated at Nellis AFB in April 1982 (Nellis Air Force Base, 2000b). Since the initiation of the IRP, a name change for the program has been directed. The IRP is now referred to as the ERP, based upon terminology used in AFI 32-7020, Environmental Restoration Program, dated February 7, 2001. The term ERP is used throughout this document when discussing the program.

There are no ERP or Area of Concern (AOC) sites within the Manch Manor Housing Area; therefore, the land and facilities within the housing area are considered Category 1 with respect to ERP/AOCs. ERP/AOCs within 1/4 mile of the property are discussed in Section 4.2.1.

3.5 STORAGE TANKS

The following sections describe the findings for aboveground storage tanks (ASTs), including day tanks, and USTs, based on the records search and VSIs. The U.S. EPA has issued federal regulations related to USTs in 40 CFR Parts 280 and 112. ASTs are subject to regulation under the CWA (33 U.S.C. Sections 1251-1578) and the Oil Pollution Act (specifically, 40 CFR Part 112). Operation and construction of ASTs are subject to National Fire Protection Association fire codes and the Uniform Fire Code.

Nellis AFB Plan 16, Aboveground Storage Tanks Management Plan (Headquarters Air Warfare Center, 1999) provides guidance and assigns responsibility for managing ASTs in accordance with AFI 32-7044, Storage Tank Compliance. The base also maintains a Facility Response Plan which establish responsibilities and provides prevention guidelines, as well as contingency plans, for use in the event of a release.

3.5.1 Aboveground Storage Tanks

One AST is situated within the Manch Manor Housing Area. The AST is situated outside Building 3366, the Manch Manor fire station, in the northern portion of Manch Manor II (see Figure 3-5). The AST is a 25-gallon day tank that stores diesel fuel for an emergency generator. Based upon a review of records, VSIs, and interviews, no releases were identified from the AST. Therefore, the land and facilities within the housing area are considered Category 1 with respect to ASTs.

3.5.2 Underground Storage Tanks

No USTs were identified within the Manch Manor Housing Area; therefore, the land and facilities within the housing area are considered Category 1 with respect to USTs.

3.5.3 Pipelines, Hydrant Fueling, and Transfer Systems

No pipelines, hydrant fueling, or transfer systems are situated within the Manch Manor Housing Area; therefore, the land and facilities within the housing area are considered Category 1 with respect to pipelines, hydrant fueling, and transfer systems.

3.6 OIL/WATER SEPARATORS

No oil/water separators (OWSs) were identified within the Manch Manor Housing Area; therefore, the land and facilities within the housing area are considered Category 1 with respect to OWSs.

3.7 PESTICIDES

The pest management program at Nellis AFB utilizes an integrated surveillance and control effort based on the Air Combat Command (ACC) implementation of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, as implemented by DOD Instruction 4150.7 DOD Pest Management Program, and AFI 32-1053, Pest Management Program. Pest management procedures are addressed in the Pest Management Plan (Nellis Air Force Base, 2000c). The pest management program, as described in the plan, is reviewed annually.

Pest management is the responsibility of the Pest Management Section personnel. Pest management personnel adhere to the pesticide label directions when handling all pesticides. The Pest Management Section provides treatment for all base buildings and housing areas. Pest Management personnel maintain and monitor files of building and home treatments, including chemicals issued by the Facilities Improvement Center, which dispenses pest control supplies to residents through a self-help program.

Pesticides, herbicides, and insecticides are used on the base to control pest populations. Pest management programs include measures to control health-related pests (e.g., mosquitoes, ticks and fleas, bees and wasps, scorpions, spiders, venomous snakes, lice, mites and chiggers); structural pests (e.g., termites, powder post beetles); general household/nuisance pests (e.g., ants, cockroaches, flies); weed pests (e.g., mixed vegetation, turf disease, and weeds); vertebrate pests (e.g., bats, rodents, gophers, feral animals, coyotes, foxes); and bird pests (e.g., pigeons).

No pesticide mixing, storage areas, or pesticide releases have been identified within the Manch Manor Housing Area. According to U.S. EPA and DOD guidance, property is considered uncontaminated even if routine licensed application of pesticides has occurred (U.S. Environmental Protection Agency,

1994). However, past routine, licensed application of pesticides has resulted in contamination of the soil within the Manch Manor Housing Area. Chlordane was formerly applied to the soil around building foundations to control termites. Entomology shop records indicate that chlordane was used in the Nellis AFB family housing areas between 1985 and 1988. Records of usage prior to 1985 are not available. Although all uses of chlordane were banned in 1988, it is a persistent bioaccumulative and toxic chemical that is still present in the soils in the family housing areas. Soil samples collected from the Nellis AFB MFH areas in August 2002 were tested for pesticides. Ten samples were collected in the Manch Manor Housing Area. The pesticides chlordane, dichlorodiphenyl-dichloroethane (DDD), dichlorodiphenyldichloroethylene (DDE), dichlorodiphenyl-trichloroethane (DDT), and heptachlor were detected; however, only chlordane was detected in every sample. Chlordane and DDE were the only pesticides detected in concentrations exceeding U.S. EPA Region IX residential Preliminary Remediation Goals (PRGs). Chlordane concentrations in three samples (3.0, 4.1, and 5.3 milligrams per kilogram [mg/kg]) exceeded the PRG of 1.6 mg/kg, and DDE in one sample (3.3 mg/kg) exceeded the PRG of 1.7 mg/kg. PRGs are guidelines and not regulatory standards.

The presence of these pesticides in the soil is not considered to present a concern under current conditions, unless contaminated soils are disturbed, such as by construction activities. Therefore, the facilities within the Manch Manor housing area and the land in the undeveloped portions of the Manch Manor Housing Area (i.e., the 26-acre parcel and Manch Manor IV) are considered Category 1, and the land within the portions of the Manch Manor Housing Area containing MFH units (i.e., Manch Manor I, II, and III) is considered Category 3 with respect to pesticides.

3.8 MEDICAL OR BIOHAZARDOUS WASTE

No medical/biohazardous waste storage or generation locations were identified within the Manch Manor Housing Area; therefore, the land and facilities within the housing area are considered Category 1 with respect to medical/biohazardous waste.

3.9 ORDNANCE

No ordnance storage locations or small arms or skeet ranges were identified within the Manch Manor Housing Area; therefore, the land and facilities within the housing area are considered Category 1 with respect to ordnance.

3.10 RADIOACTIVE WASTE

No radioactive materials and mixed waste were identified within the Manch Manor Housing Area. Therefore, the land and facilities within the housing area are considered Category 1 for radioactive materials and mixed waste.

3.11 SOLID WASTE

No current of former landfills or other solid waste concerns were identified within the Manch Manor Housing Area; therefore, the property is considered Category 1 with respect to solid waste.

3.12 GROUNDWATER

The Las Vegas basin contains large groundwater reservoirs. The deep aquifers are pumped for municipal water supplies in most areas of the basin, and provide approximately 17 percent of the water supply for the Las Vegas metropolitan area. Groundwater flow in the Las Vegas Valley is generally from west to east. When groundwater reaches the east side of the basin, the flow turns southerly. The groundwater quality in deeper aquifers is generally good, but becomes poorer in the downgradient direction as it accumulates dissolved minerals. As a result, groundwater in the east and south parts of the valley has relatively high levels of TDS. In some parts of the valley a shallow aquifer has developed from excess irrigation and other types of urban runoff. This shallow aquifer has a high level of TDS, and is not used for potable water. This shallow aquifer does not occur in the Nellis AFB area (Black and Veatch, 2001).

Beneath the base, groundwater within the deeper aquifers flows from the west and the northwest, and then turns south while moving beneath the south and east parts of the base. Volatile organic compound and nitrate contaminants have been identified in the shallow groundwater at some locations on the base. These contaminants have not been found in the deeper aquifers under the base. Groundwater elevations in the North Las Vegas area have risen since 1988 because of recharge through injection wells (Black and Veatch, 2001). No areas of groundwater contamination have been identified within the Manch Manor Housing Area; therefore, the property is considered Category 1 with respect to groundwater.

3.13 WASTEWATER TREATMENT, COLLECTION, AND DISCHARGE

There are no wastewater pumping stations within the Manch Manor Housing Area. The sewer mains within the Manch Manor Housing Area flow to the south and connect to the CCSD line at three locations on Craig Road with mains outside the southeast end of the housing area at Duffer Drive. Figure 3-5 depicts the wastewater system within the Manch Manor Housing Area. No septic tanks, grease traps, washracks, or silver recovery units were identified within the Manch Manor Housing Area. No wastewater discharge concerns have been identified within the Manch Manor Housing Area; therefore, the property is considered Category 1 with respect to wastewater treatment collections and discharge.

3.14 DRINKING WATER QUALITY

Approximately 78 percent of the water used by Nellis AFB is supplied by the SNWA. The remainder of the water comes from on-base wells, except for a small amount of water the hospital and the east side of the base receive from the city of North Las Vegas. SNWA water is treated before it is provided to the base.

The base's well water is chlorinated and then mixed with the SNWA water. SNWA performs testing of water quality and provides the results to Bioenvironmental Engineering. Sampling results indicate that the drinking water on base meets the Safe Water Drinking Act requirements. Therefore, drinking water quality within the Manch Manor Housing Area is not a concern.

3.15 ASBESTOS-CONTAINING MATERIALS

ACM and ACM abatement are regulated by the U.S. EPA and OSHA. An asbestos survey was conducted in 1993 and identified asbestos in the MFH units. The study sampled MFH units in the Nellis Terrace and Manch Manor housing areas, which were scheduled for renovation (a total of 91 units). ACM identified by the survey included floor tiles, vinyl sheeting, black mastic under floor tiles, sprayed-on "popcorn" ceiling material, roofing materials, condensate control material located under kitchen sinks, black tar warp on HVAC lines, and weatherproofing/sealant located where carports and houses meet (Dynamic Corporation, 1993).

An ACM survey was conducted in 1994 of one of each housing type on Nellis AFB. This survey included MFH units within the Dunning Circle, Nellis Terrace, and Manch Manor housing areas, and included a total of 37 units. The survey team evaluated a total of 282 materials suspected of containing asbestos, of which 128 were either confirmed to be ACM or assumed to be ACM. These 128 materials included floor tiles, sheet linoleum flooring, textured acoustical ceiling material, sheetrock joint compound, wall coating, pipe insulation, mechanical equipment insulation, transite, and roofing materials. The field survey team collected a total of 665 samples; 156 of these samples were found to be positive or assumed to be positive. The material with the highest percent positive rate was a trowelled-on insulation found under the kitchen sinks in base family housing. The survey report noted that no imminent danger situations were encountered during the survey (Galson Corporation, 1994). The specific building-by-building results of the survey were not available.

ACM testing was conducted on 16 units in Manch Manor II in 1998. Asbestos was identified in the sealant used on exterior stucco and block walls (Confidential Compliance Consultants, 1998). In 2000, proposed renovation activities at Building 3000 prompted a limited survey for ACM in a small area of the building. ACM was identified within the building (DGM Enterprises, 2000). It is assumed that the ACM was removed during the renovation activities. However, the survey was not comprehensive and many areas of the building were not tested. Therefore, ACM may still be present within Building 3000.

Based on information from each of the ACM survey reports, it is assumed that all facilities within the Manch Manor Housing Area, except the 13 MFH units constructed in 1993, have the potential to contain ACM. Because of the recent construction dates for these 13 MFH units, they are not expected to contain ACM. However, no ACM surveys have been conducted in this area; therefore, this information cannot be confirmed.

3.16 POLYCHLORINATED BIPHENYLS

The disposal of PCBs is regulated under the federal Toxic Substances Control Act (TSCA) (15 U.S.C. Section 2601, et seq., as implemented by 40 CFR Part 761), which banned the manufacture and distribution of PCBs, with the exception of PCBs used in enclosed systems. By federal definition, PCB equipment contains 500 ppm PCBs or more, whereas PCB-contaminated equipment contains PCB concentrations equal to or greater than 50 ppm, but less than 500 ppm. The TSCA regulates and the U.S. EPA enforces the removal and disposal of all sources of PCBs containing 50 ppm or more; the regulations are more stringent for PCB equipment than for PCB-contaminated equipment.

As mentioned in Section 3.2.3.1, Nellis AFB (including the Manch Manor Housing Area) has met the criteria established by the Air Force as being "PCB-free" (Headquarters Air Combat Command, 1998). Transformers containing concentrations of PCBs greater than 50 ppm have been removed from Nellis AFB. Although Nellis AFB is considered "PCB-free," equipment that contains PCBs may still be present within the installation. PCBs may be present in ballasts of older light fixtures; some transformers with PCB concentrations of less than 50 ppm are also present on base. While not defined as PCB equipment or PCB-contaminated equipment, these items could leak or spill and result in a release of PCBs. No PCB spills have been identified within the Manch Manor Housing Area.

3.17 RADON

Radon is a naturally occurring, colorless, and odorless radioactive gas produced by radioactive decay of naturally occurring uranium. Radon that is present in soil can enter a building through small spaces and openings, accumulating in enclosed areas such as basements. There are no federal or state standards regulating radon exposure at the present time.

Air Force policy requires implementation of the Air Force Radon Assessment and Mitigation Program (RAMP) to determine levels of radon exposure to military personnel and their dependents. The U.S. EPA recommends implementing methods to reduce radon levels in houses where levels are 4 picocuries per liter (pCi/l) or higher.

The RAMP initial screening was performed in 1987/1988. Preliminary sampling was conducted at randomly selected MFH units, dormitories, and child care centers. Only two military family MFH units in the Nellis Terrace Housing Area exceeded the Air Force-recommended action level of 3.5 pCi/L. Based on the results of this initial screening, Nellis AFB was determined to be a "medium-risk" installation for the occurrence of radon. Based on these initial screening results, Nellis AFB performed a detailed assessment of radon in MFH units in 1990/1991. A total of 23 units with radon levels above the statistically adjusted threshold value of 3.3 pCi/L were identified in the Nellis Terrace and Manch Manor housing areas. These MFH units with elevated radon readings were abated and resampled in 1993/1994. For all but two units, the mitigation was successful in reducing radon levels to less than 4 pCi/L (Department of the Air Force, 1994). However, the remaining MFH units have either not been sampled or do not have

acceptable sample readings available (i.e., test units were removed before sample results were read and reported). Radon levels within these MFH units are not known. Based on these findings, radon could be a potential concern at MFH units that have not been sampled, or do not have acceptable sample results available. Therefore, radon is a potential concern within the Manch Manor Housing Area.

The U.S. EPA has prepared a map of radon zones for the United States that assigns each county to one of three zones based on radon potential. Predicted indoor radon levels are highest in Zone 1 and lowest in Zone 3, Clark County, Nevada, is designated as a Zone 3 county. Predicted average indoor radon levels in Zone 3 areas are less than 2 pCi/L. However, radon potential within a county can vary (U.S. Environmental Protection Agency, 2002).

3.18 LEAD-BASED PAINT

Human exposure to lead has been determined an adverse health risk by agencies such as OSHA and the U.S. EPA. Sources of exposure to lead are dust, soils, and paint. In 1973, the Consumer Product Safety Commission (CPSC) established a maximum lead content in paint of 0.5 percent by weight in a dry film of newly applied paint. In 1978, under the Consumer Product Safety Act (Public Law [P.L.] 101-608, as implemented by 16 CFR Part 1303), the CPSC lowered the allowable lead level in paint to 0.06 percent. The Act also restricted the use of LBP in nonindustrial facilities. DOD implemented a ban of LBP use in 1978; however, it is possible that facilities constructed prior to or during 1978 may contain LBP.

An LBP survey conducted in 1993 identified LBP in the MFH units. The study sampled MFH units in both the Nellis Terrace and Manch Manor housing areas that were scheduled for renovation (a total of 90 units). LBP identified by the survey included exterior trim, exterior walls, and playground equipment (Dynamic Corporation, 1993).

An LBP study of MFH units and the child care and youth centers was conducted in 1994. A total of 169 MFH units were included in the survey: 5 units in Dunning Circle, 108 MFH units in Manch Manor, and 56 MFH units in Nellis Terrace. The survey found that approximately 67 percent of the surveyed MFH units tested positive for LBP. LBP was found in all units tested in Manch Manor I and II, but was found on only one unit in Manch Manor III. Sheetrock ceilings, wood door frames, exterior wood doors and jambs, interior wood doors, concrete facades, wood fencing and facades, exterior soffits, railings, exterior trim, and exterior wood window frames were all found to contain LBP in surveyed MFH units in Manch Manor I. In Manch Manor II, thresholds, exterior metal trim, exterior block window sills, block walls, and ceiling were found to contain LBP. A wood baseboard, on one unit, was the only item found to contain LBP in Manch Manor III (Galson Corporation, 1994). The building-by-building results of the survey are not available; therefore, the units in which no LBP was identified can not be determined.

In 1996, LBP testing was conducted on 16 units in Manch Manor I. LBP was found in all units surveyed. LBP was found on fascia boards, eaves, rafters, carport components, carport privacy fences, and wood window sill components. Soil samples were also taken at each unit surveyed and were tested for presence of lead from LBP. Lead levels in all soil samples were well below the Housing and Urban Development (HUD) level of concern of 400 ppm (Confidential Compliance Consultants, 1996). No soil samples were tested for lead in the remainder of the Manch Manor housing area because the results of soil sampling previously conducted in Manch Manor I did not identify any lead concerns (Confidential Compliance Consultants, 1998).

In 1998, 16 units in Manch Manor II were tested for LBP. LBP was found in all units tested. LBP was found on fascia and other various wood components, steel carport components, and exterior wall surfaces (Confidential Compliance Consultants, 1998). In 2000, proposed renovation activities at Building 3000 prompted a limited survey for LBP in a small area of the building. LBP was identified within the building (DGM Enterprises, 2000). It is assumed that the LBP was removed during the renovation activities. However, the survey was not comprehensive and many areas of the building were not tested. Therefore, LBP may still be present within Building 3000. According base personnel, the water tower (Facility 1012) is known to contain LBP. Based on information from the LBP survey reports, it is assumed that all facilities within the Manch Manor Housing Area, except the 13 MFH units constructed in 1993, have the potential to contain LBP.

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4.0 FINDINGS FOR ADJACENT PROPERTY

For the purpose of this EBS, adjacent properties are defined as (1) property adjacent to the Manch Manor Housing Area boundaries (i.e., having a contiguous border) and (2) off-base property within 1.0 mile of the Manch Manor Housing Area with potential environmental concerns identified through the agency records search.

The database search and visual inspection of the identified properties focused on those environmental factors (e.g., USTs, hazardous materials handling practices) that could result in potential contamination of the property associated with the Manch Manor Housing Area from activities occurring on the adjacent property.

4.1 LAND USES

Inspection of adjacent property involved visual surveys from base property or public roadways and a review of recent aerial photographs. The areas north and northeast of Manch Manor Housing Area are vacant parcels of land that are also part of Nellis AFB. A mobile home park is situated to the east of Manch Manor. Several junkyards occupy the area to the northwest, and apartment complexes are situated to the west. The area southwest of the housing area includes single-family residential homes and an apartment complex. Commercial property is situated to the south of the housing area, south of Craig Road, and includes stores, restaurants, an auto repair shop, gas station, and an elementary school.

4.2 SURVEY OF ADJACENT PROPERTIES

4.2.1 On-Base Properties

Two ERP sites (DP-9 and ST-27) are situated within 1/4 mile of the Manch Manor Housing Area property. ERP Site DP-9 (Disposal Pit) is situated west of Range Road, east of the Manch Manor IV area. The site was used for the disposal of drums and other containers, which had apparently been emptied and flattened prior to burial. Testing of soil samples taken at the site did not find any evidence of contaminant migration (Nellis Air Force Base, 1994). A No Further Action Decision Document was signed in 1997. Because no contaminant migration was identified, this site does not have the potential to affect the Manch Manor Housing Area property.

ERP Site ST-27 (Fuel Leak Area) comprises an area around the intersection of Las Vegas Boulevard North and Range Road, east of the Manch Manor Housing Area property. The site consists of an area of soil and groundwater contamination resulting from subsurface releases of fuel. The area consists of the site of a former UST, a bulk jet fuel terminal, a piping valve network, off-load headers at the bulk fuel storage facility, jet fuel pipelines to on-base distribution points, surface roadways, abandoned railroad tracks, and undeveloped open space (FPM Group, Ltd., 2001). The site has undergone three Interim Remedial Actions, and since 1995, has been undergoing a full-scale groundwater treatment

and product recovery (Nellis Air Force Base, 2000b). The current remedial actions appear to be meeting the objectives of removing free product and preventing further migration of free product and hydrocarbon-contaminated groundwater, and reducing dissolved contamination in groundwater (FPM Group Ltd., 2001). Although the area of contamination extends within the 1/4 mile radius of the Manch Manor Housing Area property, it does not affect the Manch Manor Housing Area property.

Based on the location of these sites and containment of contamination by ongoing remedial actions, the sites are not expected to prohibit lease of the property or transfer of the housing units. The ERP sites have not affected, and are not anticipated to affect, the Manch Manor Housing Area property. The ERP sites within 1/4 mile of the Manch Manor Housing Area are summarized in Table 4-1 and shown on Figure 4-1.

Table 4-1. ERP Sites within 1/4 Mile of the Manch Manor Housing Area

ERP Site ID	Description	Material Disposed	Dates of Operation	Status
DP-9	Disposal Pit	Drums, containers	UNK	No further action required
ST-27	Fuel Leak Area	Fuel releases, former UST, bulk fuel terminal	UNK	Groundwater treatment and product recovery is ongoing

ERP = Environmental Restoration Program
UNK = unknown
UST = underground storage tank

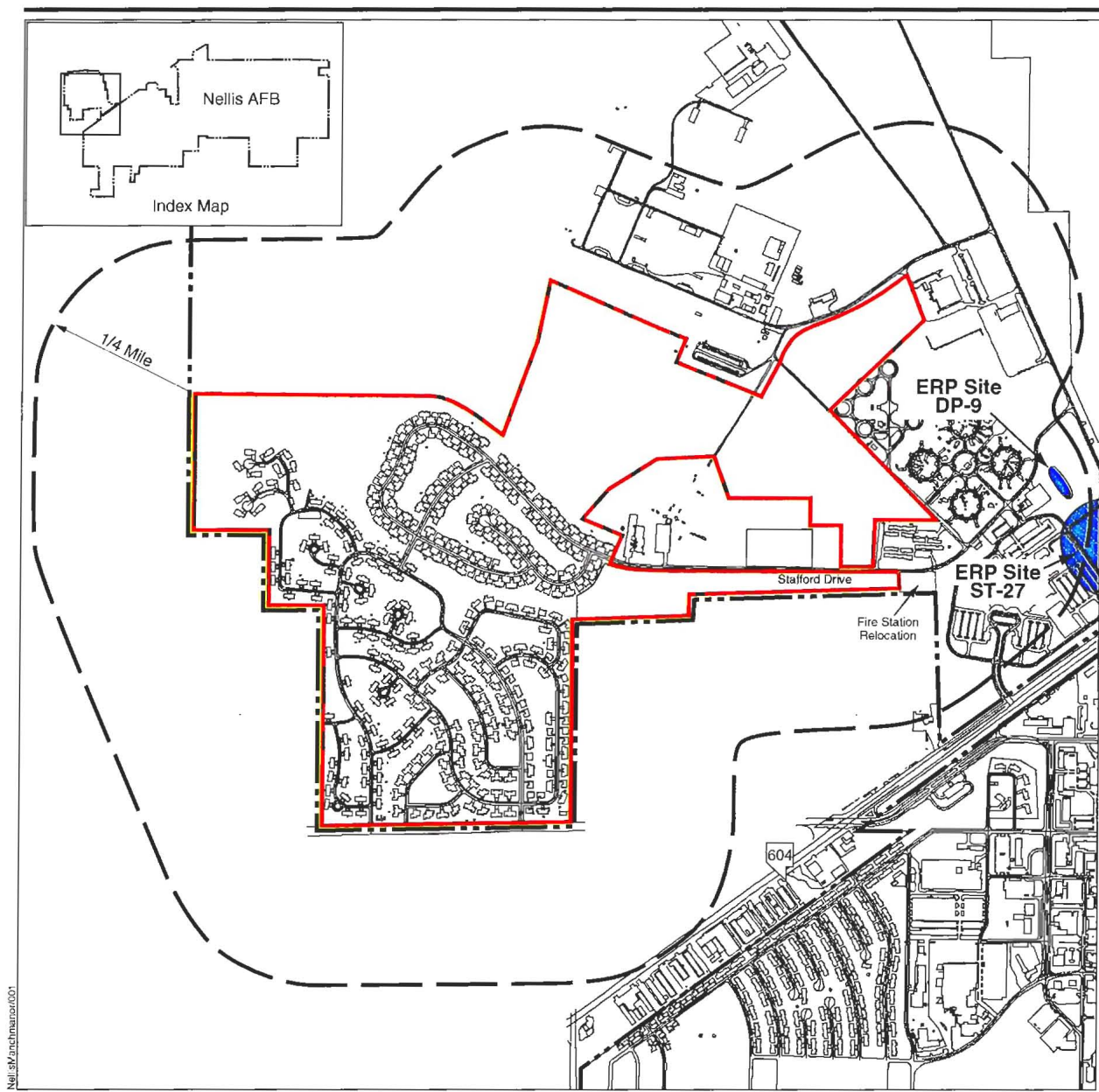
Source: U.S. Air Force, 1994; Nellis Air Force Base, 2000b; FPM Group Ltd., 2001.

4.2.2 Off-Base Properties

The records search of adjacent properties conducted for this EBS, discussed in Section 4.3, did not identify any areas where off-base activities may have resulted in contamination of the Manch Manor Housing Areas. Three sites (Sites #39, #40, and #43) are immediately adjacent to the Manch Manor Housing Area. These sites are the location of USTs that are registered with the Nevada Department of Conservation and Natural Resources. None of the USTs at these locations had reported releases.

4.3 DATABASE SEARCH

Records maintained by federal and state agencies were searched to identify reported sites storing hazardous materials and/or generating hazardous waste in the vicinity of the Manch Manor Housing Area. These records included locations of facilities with USTs, facilities with leaking USTs, and uncontrolled or abandoned hazardous waste sites. The agency records search consisted of a review of computerized federal and state environmental compliance databases.



EXPLANATION

- Installation Boundary
- 604 State Highway
- Manch Manor Housing Area Boundary
- 1/4 Mile Quantity Distance
- ERP/AOC Sites
- Extent of subsurface jet fuel contamination at ST-27 as of January 2000.



ERP/AOC Sites Within 1/4 mile of the Manch Manor Housing Area

Figure 4-1

The search of federal and state databases was performed in February 2002 for the Manch Manor Housing Area (Environmental Data Resources, Inc., 2002) (Appendix C). A list and description of the databases included in the search are presented in Table 4-2; distances searched for each database are also provided. These databases were investigated with due diligence based on the minimum search distances recommended by the American Society for Testing and Materials guidelines for conducting Phase I site assessments (American Society for Testing and Materials, 2000). A summary of database sites identified adjacent to the Manch Manor Housing Area is provided in Table 4-3. A total of 62 adjacent sites were identified within the respective search area for the databases (Figure 4-2). A breakdown of the sites identified is listed below:

Federal Database

- Resource Conservation and Recovery Information System Small Quantity Generator (RCRIS-SQG): Eight RCRIS-SQG sites were identified.
- Resource Conservation and Recovery Information System Large Quantity Generator (RCRIS-LQG): Five RCRIS-LQG sites were identified.
- Toxic Release Inventory System (TRIS): One site was listed on the TRIS.
- Hazardous Materials Information Reporting System (HMIRS): Two sites were listed on the HMIRS regarding hazardous materials spill incidents.
- Facility Index System (FINDS): Sixteen FINDS sites were identified in the U.S. EPA database that provides facility-specific information and sources of other available data.
- Emergency Response Notification System (ERNS): Six sites had ERNS records for reported releases of oil and hazardous substances.

State Database

- USTs: Thirty sites have USTs registered with the Nevada Department of Conservation and Natural Resources (DCNR).
- Leaking USTs (LUST): Two of the 31 UST sites had reported LUSTs.
- Solid Waste Facilities/Landfill Sites (SWF/LF): One landfill was identified.

Table 4-2. Federal and State Databases
Page 1 of 2

Database	Description	Search Distance (miles)
Federal Databases		
National Priorities List (NPL)	A U.S. Environmental Protection Agency (EPA) listing of uncontrolled or abandoned hazardous waste sites. The list, also known as the Superfund List, is primarily based on a score that the site receives from the U.S. EPA's Hazardous Ranking System. These sites are targeted for possible long-term remedial action under the Superfund Act.	1.0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	A compilation of known and suspected uncontrolled or abandoned hazardous waste sites. These sites have been or are being investigated by the U.S. EPA for the release or threatened release of hazardous substances. Once a site is placed on CERCLIS, it may be subjected to several levels of review and evaluation, and ultimately placed on the NPL.	0.5
PCB Activity Database System (PADS)	PADS identifies generators, transporters, commercial stores, and/or brokers and disposers of PCBs who are required to notify the U.S. EPA of such activities.	1.0
Hazardous Materials Information Reporting System (HMIRS)	The HMIRS database contains information regarding hazardous materials spill incidents that were reported to the Department of Transportation.	---
Toxic Release Inventory System (TRIS)	The TRIS database contains information on the individual release and/or transfer of toxic chemicals.	---
Resource Conservation and Recovery Information System (RCRIS) Treatment, Storage, and Disposal (TSD) Facilities	A database containing information pertaining to those facilities that treat, store, or dispose of hazardous waste.	1.0
RCRIS Large-Quantity Generator (RCRIS-LQG)	A database of information pertaining to those facilities that either generate more than 1,000 kilograms (kg) of hazardous waste per month or meet other applicable requirements of the Resource Conservation and Recovery Act (RCRA).	0.125
RCRIS Small-Quantity Generator (RCRIS-SQG)	A database of information pertaining to those facilities that generate between 100 and 1,000 kg of hazardous waste per month or meet other applicable requirements of RCRA.	0.125
RCRA Administrative Action Tracking System (RAATS)	A database that contains records based on enforcement actions issued under RCRA pertaining to major violators, and including administrative actions brought by the U.S. EPA.	1.0
Facility Index System (FINDS)	A U.S. EPA database containing both facility information and pointers to other sources of information that contain more detail.	1.0

Table 4-2. Federal and State Databases
Page 2 of 2

Database	Description	Search Distance (miles)
Federal Databases (continued)		
Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)/Toxic Substances Control Act (TSCA) Tracking System (FTTS)	A database that tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA, and Emergency Planning and Community Right-to-Know Act.	---
Corrective Action (CORRACTS)	A database of RCRA facilities undergoing "corrective action." A "corrective action order" is issued pursuant to RCRA Section 3008(h) when there has been a release of hazardous waste or constituents into the environment from an RCRA facility. Corrective actions may be required beyond a facility's boundary, and can be required regardless of when the release occurred, even if it predates RCRA.	1.0
Emergency Response Notification System (ERNS)	A database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the U.S. EPA, the U.S. Coast Guard, the National Response Center, and the Department of Transportation.	0.125
State Databases		
Underground Storage Tanks (UST)	A database of information on USTs containing petroleum products registered with the Nevada Department of Conservation and Natural Resources.	0.25
Leaking Underground Storage Tanks (LUST)	A database of information on those USTs for which a leak has been reported to the Nevada Department of Conservation and Natural Resources.	0.5
Aboveground Storage Tanks (AST)	A database of information on ASTs containing petroleum products registered with the Nevada Department of Conservation and Natural Resources.	0.25
Solid Waste Facilities/Landfill Sites (SWF/LF)	An inventory of solid waste disposal facilities or landfills maintained by the Nevada Department of Conservation and Natural Resources. These sites may be active or inactive facilities.	0.5
State Hazardous Waste Sites (SHWS)	SHWS records are the state equivalent of CERCLIS. These sites may or may not also be listed on the federal CERCLIS list. This database identifies sites planned for cleanup using state funds and sites where cleanup will be paid for by potentially responsible parties.	1.0
Facility and Manifest Data (HAZNET)	A database of information extracted from copies of hazardous waste manifests received each year by the California Department of Toxic Substances Control.	0.25

--- = No specific search distance specified.

Table 4-3. Database Sites – Manch Manor Housing Area
Page 1 of 4

ID Number	Name	Address	Type of Site ^(a)
1	Nevada Army National Guard	6402 N. Range Road Las Vegas, NV 89115	RCRIS-SQG FINDS
2	G & O Transportation, Inc.	5225 E. El Campo Grande Las Vegas, NV 89115	Ind. Haz Waste
3	Baker Commodities, Inc.	5725 Range Road Las Vegas, NV 89115	FINDS
4	Southwest Auto Wrecking	5380 N. Novak Street Las Vegas, NV	SHWS
5	EV Con Recycling	4560 Hammer Lane Las Vegas, NV 89115	RCRIS-SQG FINDS
6	A1 Auto & Salvage	4520 Hammer Lane Las Vegas, NV 89115	RCRIS-SQG FINDS
7	Sierra Ready Mix	4150 Smiley Road North Las Vegas, NV 89031	UST
8	Vegas Oil	5105 N. Lamb Boulevard Las Vegas, NV	SHWS
9	Nellis Auto Dismantling	5150 N. Lamb Boulevard Las Vegas, NV	SHWS
10	Walton's Salvage	4904 Coppersage Las Vegas, NV	SHWS
11	CALNEV Pipeline Company	5049 N. Sloan Lane Las Vegas, NV 89115	FINDS RCRIS-LQG UST CA HAZNET SHWS ERNS
12	Former Texaco Site – Las Vegas Storage Terminal	5049 N. Sloan Lane Las Vegas, NV 89115	UST
13	Equilon Las Vegas Sales Terminal	5049-B N. Sloan Lane Las Vegas, NV 89115	FINDS RCRIS-LQG
14	IX Rebel Oil Company	5054 N. Sloan Lane Las Vegas, NV 89115	HAZNET
15	Phillips Petroleum Company – Las Vegas Terminal	5054 N. Sloan Lane Las Vegas, NV 89115	FINDS RCRIS-LQG
16	CALNEV Pipeline Company/Texaco	5056 N. Sloan Lane Las Vegas, NV 89115	SHWS
17	Las Vegas Pick a Part, Inc.	4920 N. Lamb Boulevard Las Vegas, NV 89115	SHWS
18	Western Metals Recycling	4952 N. Lamb Boulevard Las Vegas, NV	SHWS
19	Nevada Recycling, Inc.	5000 Range Road Las Vegas, NV 89115	SHWS

Table 4-3. Database Sites – Manch Manor Housing Area
Page 2 of 4

ID Number	Name	Address	Type of Site ^(a)
20	Silver Dollar Recycling	5000 Range Road Las Vegas, NV 89115	UST
21	Fredrickson Tank Lines	4915 N. Sloan Lane Las Vegas, NV	SHWS
22	Chevron Las Vegas Terminal #1001744	4950 N. Sloan Lane Las Vegas, NV 89115	UST ERNS
23	Intermec Media Products West	4101 E. Loan Mountain Road North Las Vegas, NV 89031	RCRIS-SQG FINDS
24	Universal Urethane, Inc.	4201 E. Lone Mountain Road North Las Vegas, NV 89031	TRIS
25	Motor Cargo Freight Facility	4225 E. Lone Mountain Road North Las Vegas, NV 89031	LUST RCRIS-SQG FINDS UST
26	Central Telephone	3436 Aldebaren Las Vegas, NV 89102	RCRIS-SQG FINDS
27	Drive a Junk	4465 N. Las Vegas Boulevard Las Vegas, NV 89115	RCRIS-SQG FINDS
28	Immerson Dry Cleaners	4350 Las Vegas Las Vegas, NV 89115	FINDS RCRIS-LQG
29	7-Eleven #18198	4395 N. Las Vegas Boulevard Las Vegas, NV	LUST UST
30	Conway Express	4721 Eaker Street North Las Vegas, NV	SHWS
31	N/A	4610 Eaker Street Las Vegas, NV	HMIRS
32	Nikkiso Cryo Incorporated	4661 Eaker Street North Las Vegas, NV 89031	FINDS
33	Anilox Roll Corporation	4624 Andrews Street North Las Vegas, NV 89031	RCRIS-SQG FINDS
34	Highway Rentals United Rentals	4533 Andrews Street North Las Vegas, NV 89031	FINDS
35	Sprint Central Telephone	4243 N. Las Vegas Boulevard North Las Vegas, NV 89115	SHWS UST
36	ABF Freight System, Inc.	4501 N. Lamb Boulevard North Las Vegas, NV 89030	HMIRS UST
37	Specialty Recycling Corporation	4475 Andrews Street North Las Vegas, NV 89031	FINDS RCRIS-LQG
38	Fastway Food Mart #202	4240 Craig Road North Las Vegas, NV 89030	UST

Table 4-3. Database Sites – Manch Manor Housing Area
Page 3 of 4

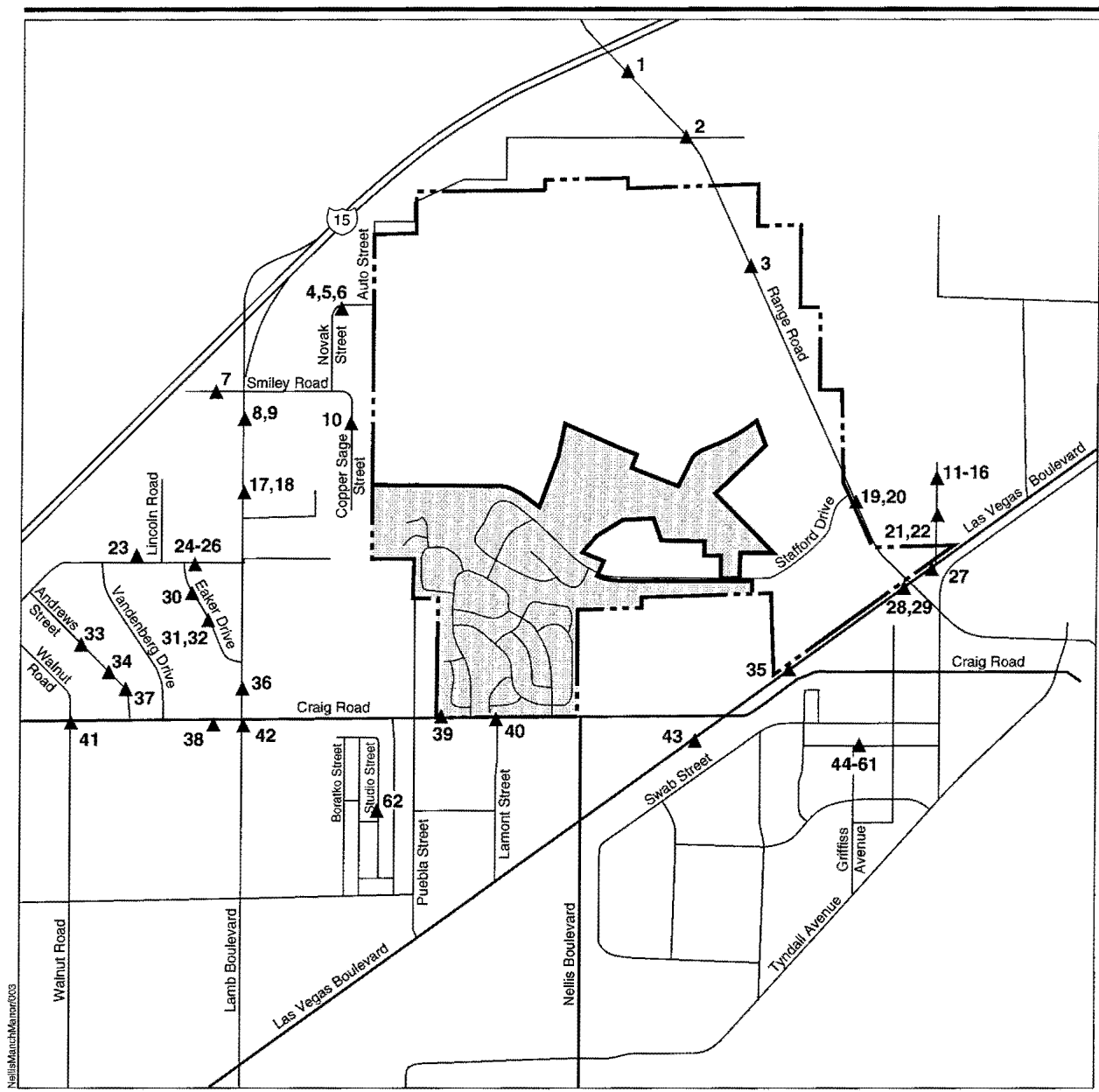
ID Number	Name	Address	Type of Site ^(a)
39	7-Eleven #32130	4728 W. Craig Road Las Vegas, NV 89125	UST
40	Ferrari's Car Wash	4895 E. Craig Road Las Vegas, NV 89115	UST
41	7-Eleven #24209	3901 E. Craig Street North Las Vegas, NV 89115	SHWS UST
42	ARCO AM/PM #82070	4380 N. Lamb Boulevard Las Vegas, NV 89115	UST
43	Gas N Jet	4180 Las Vegas Boulevard North Las Vegas, NV 89115	UST
44	Nellis AFB, Facility #61647	4551 Devlin Drive Nellis AFB, NV 89191	UST
45	Nellis AFB, Facility #940	4551 Devlin Drive Nellis AFB, NV 89191	UST
46	Nellis AFB, Facility #890	4551 Devlin Drive Nellis AFB, NV 89191	UST
47	Nellis AFB, Facility #10322	4551 Devlin Drive Nellis AFB, NV 89191	UST
48	Nellis AFB, Facility #2000	4551 Devlin Drive Nellis AFB, NV 89191	UST
49	Nellis AFB, Facility #2060	4551 Devlin Drive Nellis AFB, NV 89191	UST
50	Nellis AFB	4551 Devlin Drive Nellis AFB, NV 89191	UST SHWS ERNS
51	Nellis AFB, Facility #831	4551 Devlin Drive Nellis AFB, NV 89191	UST
52	Nellis AFB, Facility #490	4551 Devlin Drive Nellis AFB, NV 89191	UST
53	Nellis AFB, Facility #606	4551 Devlin Drive Nellis AFB, NV 89191	UST
54	Nellis AFB, Facility #460	4551 Devlin Drive Nellis AFB, NV 89191	UST
55	Nellis AFB, Landfill #4	4551 Devlin Drive Nellis AFB, NV 89191	SWF/LF
56	Nellis AFB, Facility #939	4551 Devlin Drive Nellis AFB, NV 89191	UST
57	Nellis AFB, Facility #941	4551 Devlin Drive Nellis AFB, NV 89191	UST
58	Nellis AFB, Facility #814	4551 Devlin Drive Nellis AFB, NV 89191	UST
59	Nellis AFB Facility #2814	4551 Devlin Drive Nellis AFB, NV 89191	UST

Table 4-3. Database Sites – Manch Manor Housing Area
Page 4 of 4

ID Number	Name	Address	Type of Site ^(a)
60	Nellis AFB, Building 8H	4551 Devlin Drive Nellis AFB, NV 89191	ERNS
61	Nellis AFB, east side of runway	4551 Devlin Drive Nellis AFB, NV 89191	ERNS
62	N/A	4203 Paramount Street Las Vegas, NV	ERNS

Note: (a) Refer to Table 4-1 for list of databases searched to identify type of site.
N/A = not available

- State Hazardous Waste Site (SHWS): Fourteen SHWS sites were identified where cleanup activities are planned.
- Facility and Manifest Data (HAZNET): Two HAZNET sites are listed as having generated liquid hazardous waste that required proper disposal.
- One site was identified as an industrial hazardous waste location.



EXPLANATION

- Nellis AFB Boundary
- Manch Manor
- ▲ Database Site

Database Sites, Manch Manor Housing Area

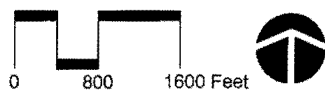


Figure 4-2

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5.0 APPLICABLE REGULATORY COMPLIANCE ISSUES

5.1 LIST OF COMPLIANCE ISSUES

There are no ERP sites or AOCs on the Manch Manor Housing Area property; therefore, no CERCLA compliance issues are known to be present on the subject property.

5.2 DESCRIPTION OF CORRECTIVE ACTIONS

No corrective actions have been identified for the Manch Manor Housing Area property.

5.3 ESTIMATES OF VARIOUS ALTERNATIVES

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6.0 CONCLUSIONS

6.1 FACILITY MATRIX

Facilities within the Manch Manor Housing Area were inventoried and assessed to identify specific facility characteristics and potential environmental concerns. The Manch Manor Housing Area includes 593 MFH units, three nonresidential buildings (housing office, shoppette, and fire station [Buildings 3000, 3362, and 3366]), recreational facilities (e.g., playgrounds), a water tower and associated water supply building (Facilities 1011 and 1012), and two undeveloped parcels of land (approximately 86 and 26 acres). A representative sample of MFH units and all nonresidential facilities received a VSI to verify characteristics or features identified during the records search, and to identify other environmental concerns. A list of facilities considered in this EBS summarizing key characteristics and facility-specific information is presented in Table 6-1. The information presented in Table 6-1 was derived from the Real Property Accountable Records, information from Civil Engineer personnel, and information presented in Chapter 3.0 of this report.

Land and facilities within the Manch Manor Housing Area were classified into categories based on the findings of this EBS. Land and facilities were categorized independent of each other, because of the different real estate transaction associated with each. The ownership of the land will be retained by the Air Force and leased to a private contractor; the facilities will be transferred by deed to the contractor. Specific property categorization for facilities within the Manch Manor Housing Area is presented in Table 6-1.

6.2 PROPERTY CATEGORIES

Areas where no past or present release or disposal of hazardous or petroleum substances were identified are considered to be Category 1. Category 2 through 7 properties were identified based upon the methodology presented in Chapter 2.0. The Manch Manor Housing Area facilities and the land in the undeveloped portions of the Manch Manor Housing Area (i.e., the 26-acre parcel and Manch Manor IV) are considered Category 1. The land within the portions of the Manch Manor Housing Area containing MFH units (i.e., Manch Manor I, II, and III) is considered Category 3 because of the presence of pesticides in the soil, as discussed in Section 3.7. No Category 2, 4, 5, 6, or 7 property was identified.

6.3 RESOURCES MAP

No resource factors have been identified within the Manch Manor Housing Area property; therefore, a resources map has not been included in this EBS.

6.4 DATA GAPS

VSI s were not conducted for all facilities within the Manch Manor Housing Area. All nonresidential facilities and a representative sample of residential units received a VSI.

Facility-specific ACM and LBP survey findings for MFH units and nonresidential facilities were not available. Therefore, facility-specific findings for ACM and LBP cannot be presented in this EBS.

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB
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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
1011 Water Supply Building	1960	50						U	X	VSI conducted in November 2001	1
1012 Water Storage Tank	1960	NA						U	X	VSI conducted in November 2001	1
3000 Family Housing Management Office	1960	1,444						U	X	VSI conducted in November 2001	1
3001 Family Housing, Capehart	1960	2,486						Y	X		1
3002 Family Housing, Capehart	1960	2,250						Y	X		1
3003 Family Housing, Capehart	1960	2,123						Y	X		1
3004 Family Housing, Capehart	1960	2,250						Y	X		1
3005 Family Housing, Capehart	1960	2,486						Y	X		1
3006 Family Housing, Capehart	1960	2,250						Y	X		1
3007 Family Housing, Capehart	1960	2,123						Y	X		1
3008 Family Housing, Capehart	1960	2,534						Y	X		1
3009 Family Housing, Capehart	1960	2,250						Y	X		1
3010 Family Housing, Capehart	1960	2,250						Y	X		1
3011 Family Housing, Capehart	1960	2,223						Y	X		1
3012 Family Housing, Capehart	1960	2,123						Y	X		1
3013 Family Housing, Capehart	1960	2,123						Y	X		1
3014 Family Housing, Capehart	1960	2,486						Y	X		1
3015 Family Housing, Capehart	1960	2,123						Y	X	VSI conducted in November 2001	1
3016 Family Housing, Capehart	1960	2,486						Y	X		1
3017 Family Housing, Capehart	1960	2,486						Y	X		1
3018 Family Housing, Capehart	1960	2,250						Y	X		1
3019 Family Housing, Capehart	1960	2,486						Y	X		1
3020 Family Housing, Capehart	1960	2,250						Y	X		1
3021 Family Housing, Capehart	1960	2,250						Y	X		1
3022 Family Housing, Capehart	1960	2,123						Y	X		1
3023 Family Housing, Capehart	1960	1,498						Y	X		1
3024 Family Housing, Capehart	1960	1,498						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property ^(b) Category
					Type	Content	Capacity (gallons)				
3025 Family Housing, Capehart	1960	1,498						Y	X		1
3026 Family Housing, Capehart	1960	2,592						Y	X		1
3027 Family Housing, Capehart	1960	2,592						Y	X		1
3028 Family Housing, Capehart	1960	2,592						Y	X		1
3029 Family Housing, Capehart	1960	1,498						Y	X		1
3030 Family Housing, Capehart	1960	1,498						Y	X		1
3031 Family Housing, Capehart	1960	2,592						Y	X		1
3032 Family Housing, Capehart	1960	2,592						Y	X		1
3033 Family Housing, Capehart	1960	2,592						Y	X		1
3034 Family Housing, Capehart	1960	2,592						Y	X		1
3035 Family Housing, Capehart	1960	1,498						Y	X		1
3036 Family Housing, Capehart	1960	1,498						Y	X		1
3037 Family Housing, Capehart	1960	1,498						Y	X		1
3038 Family Housing, Capehart	1960	2,592						Y	X		1
3039 Family Housing, Capehart	1960	1,498						Y	X		1
3040 Family Housing, Capehart	1960	2,592						Y	X		1
3041 Family Housing, Capehart	1960	2,592						Y	X		1
3042 Family Housing, Capehart	1960	1,498						Y	X		1
3043 Family Housing, Capehart	1960	2,592						Y	X		1
3044 Family Housing, Capehart	1960	1,498						Y	X		1
3045 Family Housing, Capehart	1960	2,592						Y	X		1
3046 Family Housing, Capehart	1960	2,592						Y	X		1
3047 Family Housing, Capehart	1960	1,498						Y	X		1
3048 Family Housing, Capehart	1960	2,592						Y	X		1
3049 Family Housing, Capehart	1960	1,498						Y	X		1
3050 Family Housing, Capehart	1960	2,123						Y	X		1
3051 Family Housing, Capehart	1960	2,486						Y	X		1
3052 Family Housing, Capehart	1960	2,123						Y	X		1
3053 Family Housing, Capehart	1960	2,123						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3054 Family Housing, Capehart	1960	1,498						Y	X		1
3055 Family Housing, Capehart	1960	2,592						Y	X		1
3056 Family Housing, Capehart	1960	1,498						Y	X		1
3057 Family Housing, Capehart	1960	2,592						Y	X		1
3058 Family Housing, Capehart	1960	2,123						Y	X		1
3059 Family Housing, Capehart	1960	2,592						Y	X		1
3060 Family Housing, Capehart	1960	2,250						Y	X		1
3061 Family Housing, Capehart	1960	1,498						Y	X		1
3062 Family Housing, Capehart	1960	2,123						Y	X		1
3063 Family Housing, Capehart	1960	1,498						Y	X		1
3064 Family Housing, Capehart	1960	2,250						Y	X		1
3065 Family Housing, Capehart	1960	2,592						Y	X		1
3066 Family Housing, Capehart	1960	2,140						Y	X		1
3067 Family Housing, Capehart	1960	1,498						Y	X		1
3068 Family Housing, Capehart	1960	2,250						Y	X		1
3069 Family Housing, Capehart	1960	1,296						Y	X		1
3070 Family Housing, Capehart	1960	2,486						Y	X		1
3071 Family Housing, Capehart	1960	2,592						Y	X		1
3072 Family Housing, Capehart	1960	2,123						Y	X		1
3073 Family Housing, Capehart	1960	2,592						Y	X		1
3074 Family Housing, Capehart	1960	2,592						Y	X		1
3075 Family Housing, Capehart	1960	2,592						Y	X		1
3076 Family Housing, Capehart	1960	2,592						Y	X		1
3077 Family Housing, Capehart	1960	1,498						Y	X		1
3078 Family Housing, Capehart	1960	1,498						Y	X		1
3079 Family Housing, Capehart	1960	2,592						Y	X		1
3080 Family Housing, Capehart	1960	2,592						Y	X		1
3081 Family Housing, Capehart	1960	1,498						Y	X		1
3082 Family Housing, Capehart	1960	2,592						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3083 Family Housing, Capehart	1960	2,592						Y	X		1
3084 Family Housing, Capehart	1960	1,498						Y	X		1
3085 Family Housing, Capehart	1960	1,814						Y	X		1
3086 Family Housing, Capehart	1960	1,814						Y	X		1
3087 Family Housing, Capehart	1960	1,498						Y	X		1
3088 Family Housing, Capehart	1960	2,592						Y	X		1
3089 Family Housing, Capehart	1960	2,250						Y	X		1
3090 Family Housing, Capehart	1960	2,123						Y	X		1
3091 Family Housing, Capehart	1960	2,486						Y	X		1
3092 Family Housing, Capehart	1960	2,250						Y	X		1
3093 Family Housing, Capehart	1960	2,486						Y	X		1
3094 Family Housing, Capehart	1960	2,250						Y	X		1
3095 Family Housing, Capehart	1960	2,250						Y	X		1
3096 Family Housing, Capehart	1960	2,486						Y	X		1
3097 Family Housing, Capehart	1960	2,123						Y	X		1
3098 Family Housing, Capehart	1960	2,123						Y	X		1
3099 Family Housing, Capehart	1960	2,486						Y	X		1
3100 Family Housing, Capehart	1960	2,250						Y	X		1
3101 Family Housing, Capehart	1960	2,123						Y	X		1
3102 Family Housing, Capehart	1960	2,123						Y	X		1
3103 Family Housing, Capehart	1960	2,250						Y	X		1
3104 Family Housing, Capehart	1960	2,250						Y	X		1
3105 Family Housing, Capehart	1960	2,123						Y	X		1
3106 Family Housing, Capehart	1960	2,123						Y	X		1
3107 Family Housing, Capehart	1960	2,123						Y	X		1
3108 Family Housing, Capehart	1960	2,250						Y	X		1
3109 Family Housing, Capehart	1960	2,250						Y	X		1
3110 Family Housing, Capehart	1960	2,123						Y	X		1
3111 Family Housing, Capehart	1960	2,123						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3112 Family Housing, Capehart	1960	2,250						Y	X		1
3113 Family Housing, Capehart	1960	2,250						Y	X		1
3300 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3302 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3304 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3306 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3316 Family Housing Appropriated FY 1970A	1971	2,534						Y	X	VSI conducted in November 2001	1
3318 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3320 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3322 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3324 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3328 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3330 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3334 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3336 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3340 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3342 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3344 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB
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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property ^(b) Category
					Type	Content	Capacity (gallons)				
3346 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3350 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3362 Exchange, Service Outlet	1971	2,990		H				Y	X	VSI conducted in November 2001	1
3366 Fire Station	1971	2,644		H	AST	Diesel	25	Y	X	VSI conducted in November 2001	1
3368 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3370 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3372 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3374 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3376 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3378 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3398 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3400 Family Housing Appropriated FY 1970A	1971	2,934						Y	X		1
3402 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3404 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3406 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3408 Family Housing Appropriated FY 1970A	1971	2,934						Y	X		1
3410 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3412 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB
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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3414 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3416 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3418 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3420 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3422 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3426 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3432 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3438 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3440 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3442 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3444 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3446 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3448 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3452 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3454 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3456 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSS/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property ^(b) Category
					Type	Content	Capacity (gallons)				
3458 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3460 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3462 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3464 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3466 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3468 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3470 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3472 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3478 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3480 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3482 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3486 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3488 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3490 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3492 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3494 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3498 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3500 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3502 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3504 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3506 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3508 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3510 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3512 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3514 Family Housing Appropriated FY 1970A	1971	2,742						Y	X		1
3520 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3522 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3524 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3526 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3528 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3530 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3532 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3534 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3536 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3538 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3540 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3546 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3548 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3550 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3552 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3556 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3558 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3560 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3562 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3566 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3568 Family Housing Appropriated FY 1970A	1971	2,884						Y	X		1
3572 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3580 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3582 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3584 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1
3586 Family Housing Appropriated FY 1970A	1993	2,761						N	N		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property ^(b) Category
					Type	Content	Capacity (gallons)				
3588 Family Housing Appropriated FY 1970A	1971	2,934						Y	X		1
3590 Family Housing Appropriated FY 1970A	1971	2,934						Y	X		1
3592 Family Housing Appropriated FY 1970A	1971	2,934						Y	X		1
3598 Family Housing Appropriated FY 1970A	1971	2,534						Y	X		1
3600 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3601 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3602 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3603 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3604 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3605 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3606 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3607 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3608 Family Housing Appropriated FY 1970A	1975	3,788						Y	X	VSI conducted in November 2001	1
3609 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3610 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3611 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3612 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1

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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property ^(b) Category
					Type	Content	Capacity (gallons)				
3613 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3614 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3615 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3616 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3617 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3618 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3619 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3620 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3621 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3622 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3623 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3624 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3625 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3626 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3627 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3628 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3629 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB
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Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3630 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3631 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3632 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3633 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3634 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3635 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3636 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3637 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3638 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3639 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3640 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3641 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3642 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3643 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3644 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3645 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3646 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

Page 14 of 19

Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3647 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3648 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3649 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3650 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3651 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3652 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3653 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3654 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3655 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3656 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3657 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3658 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3659 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3660 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3661 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3662 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3663 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

Page 15 of 19

Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ⁽²⁾
					Type	Content	Capacity (gallons)				
3664 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3665 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3666 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3667 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3668 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3669 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3670 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3671 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3672 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3673 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3674 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3675 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3676 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3677 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3678 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3679 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3680 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

Page 16 of 19

Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3681 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3682 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3683 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3684 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3685 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3686 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3687 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3688 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3689 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3690 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3691 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3692 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3693 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3694 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3695 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3696 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3697 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

Page 17 of 19

Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3698 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3699 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3700 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3701 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3702 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3703 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3704 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3705 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3706 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3707 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3708 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3709 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3710 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3711 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3712 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3713 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3714 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

Page 18 of 19

Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property Category ^(b)
					Type	Content	Capacity (gallons)				
3715 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3716 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3717 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3718 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3719 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3720 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3721 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3722 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3723 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3724 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3725 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3726 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3727 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3728 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3729 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3730 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3731 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1

Table 6-1. Manch Manor Housing Area - Facility/Property Matrix – Nellis AFB

Page 19 of 19

Facility ID (Housing Unit Address)	Year of Construction	Square Footage (gross)	ERP/AOC Site	Hazardous Material/Waste	Storage Tanks/OWSs/Septic Tanks			ACM ^(a)	Lead-Based Paint ^(a)	Comments	Property ^(b) Category
					Type	Content	Capacity (gallons)				
3732 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1
3733 Family Housing Appropriated FY 1970A	1975	1,975						Y	X		1
3734 Family Housing Appropriated FY 1970A	1975	3,788						Y	X		1

Notes: (a) Data are for disclosure purposes only and do not impact property categorization. Only a representative sample of housing units has been surveyed for ACM and LBP. Based on the limited surveys, it is likely that housing units that are similar to those sampled with positive findings contain ACM and LBP.

(b) Pesticide contamination of soil (Category 3) does not affect facilities.

ACM = asbestos-containing material

AOC = Area of Concern

AST = aboveground storage tank

ERP = Environmental Restoration Program

FY = Fiscal Year

H = hazardous material stored at facility

LBP = lead-based paint

N = No ACM or LBP, as appropriate, has been identified or is suspected within facility.

NA = not applicable

OWS = oil/water separator

U = unknown status

VSI = visual site inspection

X = Facility was constructed prior to or during 1978 and assumed to contain LBP.

Y = ACM or LBP, as appropriate, has been identified or is suspected within facility.

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7.0 RECOMMENDATIONS

Because of the presence of persistent pesticides in the soil in the family housing areas, as discussed in Section 3.7, in the event the property recipient excavates soils where pesticides were applied, the property recipient would be responsible for conducting any additional sampling and health screening to determine levels of worker safety, potential exposure levels of excavated soils retained on site, and to properly characterize and manage the soil in accordance with federal and state regulations. Soil sampling and analysis may indicate that pesticides, including chlordane, dieldrin, and heptachlor, persist in the soil beneath and surrounding the existing structures in concentrations above U.S. EPA residential PRGs.

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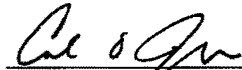
8.0 CERTIFICATIONS

8.1 CERTIFICATION OF THE ENVIRONMENTAL BASELINE SURVEY

CERTIFICATION OF THE
MANCH MANOR HOUSING AREA
ENVIRONMENTAL BASELINE SURVEY

Earth Tech has conducted this Environmental Baseline Survey on behalf of the Air Force. Earth Tech has reviewed all appropriate records made available, and conducted visual site inspections of the selected facilities following an analysis of information during the record search. The information contained within the survey report is based on records made available and, to the best of Earth Tech's knowledge, is correct and current as of November 2001.

Certified by:



Carl Rykaczewski, R.E.A. I
California Registered Environmental Assessor No. 07598
Earth Tech, Inc.

10 Dec 2003

Date

In October 2003, I inspected the Manch Manor, Nellis Terrace, and Dunning Circle housing areas. These site visits confirm that conditions have not changed since the original collection of data by Earth Tech, Inc., in November 2001.

Approved by:



Kurtis D. Lohide
Colonel, USAF
Vice Commander

11/21/04

Date

8.2 CERTIFICATION OF CONTAMINATION OR NO CONTAMINATION

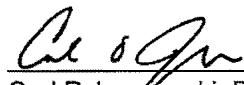
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**8.3 CERTIFICATION OF POLYCHLORINATED BIPHENYLS CLEARANCE FOR THE MANCH
MANOR HOUSING AREA**

**CERTIFICATION OF POLYCHLORINATED BIPHENYLS
CLEARANCE FOR THE
MANCH MANOR HOUSING AREA**

A records search and an on-site inspection indicate that the Manch Manor Housing Area property has not been exposed to PCB materials or equipment.

Prepared by:

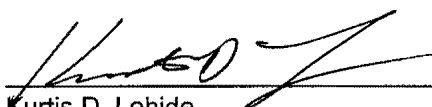


Carl Rykaczewski, R.E.A. I
California Registered Environmental Assessor No. 07598
Earth Tech, Inc.

10 Dec 2003

Date

Approved by:



Kurtis D. Lohide
Colonel, USAF
Vice Commander

1/21/04
Date

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APPENDIX A

TERMS

APPENDIX A TERMS

Accumulation point. A location where a generator accumulates hazardous waste awaiting transfer to a treatment, storage, or disposal (TSD) facility. An accumulation point does not require a U.S. Environmental Protection Agency (EPA) TSD permit as long as waste is stored there fewer than 180 days.

Acquisition. Obtaining, use, or control of property by purchase, condemnation, donation, exchange, easement, lease revestment, and/or recapture.

Adjacent properties. All (judgment call) properties within 1/4 mile of the subject property and properties within 1 mile of the subject property that exhibit potential environmental concerns.

Asbestos. Six naturally occurring fibrous minerals found in certain types of rock formations. Of the six, the minerals chrysotile, amosite, and crocidolite have been most commonly used in building products. When mined and processed, asbestos is typically separated into very thin fibers. Because asbestos is strong, incombustible, and corrosion-resistant, it was used in many commercial products beginning early in the twentieth century, and peaking in the period from World War II into the 1970s. When inhaled in sufficient quantities, asbestos fibers can cause serious health problems.

Asbestos-containing material (ACM). Any material or product that contains more than 1 percent asbestos.

Contaminants. Undesirable substances rendering something unfit for use.

Contamination. Degradation of naturally occurring water, air, or soil quality, either directly or indirectly, as a result of human activities.

Discharge. Release of groundwater into springs or wells, through evapotranspiration, or as outflow. Also a release of a liquid into a waterbody or a gas into the air.

Effluent. Waste material discharged into the environment.

Environmental Restoration Program (ERP). The Air Force program designed to identify, characterize, and remediate environmental contamination on Air Force installations. Although widely accepted at the time, procedures followed prior to the mid-1970s for managing and disposing of many wastes often resulted in contamination of the environment. The program has established a process to evaluate past disposal sites, control the migration of contaminants, and control potential hazards to human health and the environment. Section 211 of Superfund Amendments and Reauthorization Act (SARA), codified as the Defense Environmental Restoration Program, of which the Air Force ERP is a subset, ensures that the Department of Defense (DOD) has the authority to conduct its own environmental restoration programs. DOD coordinates ERP activities with the U.S. EPA and appropriate state agencies.

Groundwater. Water that occurs beneath the water table in soil and geologic formations that are fully saturated.

Hazardous material. Generally, a substance or mixture of substances that has the capability of either causing or significantly contributing to an increase in mortality, or an increase in serious irreversible or incapacitating reversible illness; or posing a substantial present or potential risk to human health or the environment. Use of these materials is regulated by the Department of Transportation, Occupational Safety and Health Administration (OSHA), and the U.S. EPA.

Hazardous substances. Hazardous substances is a broad classification, and includes hazardous materials, hazardous chemicals, hazardous wastes, and petroleum products. Several different federal and state rules individually regulate the storage of these hazardous substances.

Hazardous waste (federal definition under Resource Conservation and Recovery Act [RCRA], 42 U.S. Code [U.S.C.] Section 6903). RCRA defines hazardous waste as "a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics, may pose a hazard to human health or the environment" (RCRA, Section 1004[5]). The U.S. EPA has listed several wastes that are known to be hazardous. A waste can also be classified as a characteristic hazardous waste if it exhibits one or more of the four hazardous waste characteristics described in Subpart C: ignitability, corrosivity, reactivity, or toxicity.

Lead. A heavy metal used in many industries that can accumulate in the body and cause a variety of negative effects.

Migration. The movement of substances from adjacent areas to the subject property, versus the ERP definition, which is the movement of substances from the subject property to an adjacent area.

National Priorities List. The list compiled by the U.S. EPA pursuant to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. Section 9605[a][8][B]) of properties with the highest priority for cleanup pursuant to U.S. EPA's Hazard Ranking System.

PCB equipment. Equipment that contains a concentration of polychlorinated biphenyls (PCBs) of 500 parts per million (ppm) or greater, and is regulated by the U.S. EPA.

Pesticides. Any substance, organic or inorganic, used to destroy or inhibit the action of plant or animal pests; the term thus includes insecticides, herbicides, fungicides, rodenticides, miticides, fumigants, and repellents. All pesticides are toxic to humans to some degree. Pesticides vary in biodegradability.

Petroleum products. Fuels, lubricants, hydraulic fluids, and solvents that are predominant petroleum based. They do not include oil-based paints, pesticides, synthetic solvents or other petroleum products containing hazardous substances which are added after the petroleum refining process.

Petroleum substance. Petroleum products and petroleum wastes.

Petroleum waste. Refuse generated through the use of petroleum products. Petroleum waste qualifying for the petroleum exclusion is unadulterated petroleum waste. Petroleum waste contaminated by hazardous substances is treated as hazardous waste.

Physical inspection. An inspection of a contiguous property that included a visit to the subject property, an interview with the property owner/operator (when present), and a walk-around of the property. For base facilities, physical inspections include exterior and interior (walk-through) inspections.

PCB-contaminated equipment. Equipment that contains a concentration of PCBs from 50 to 499 ppm and is regulated by the U.S. EPA.

PCBs. Any of a family of industrial compounds produced by chlorination of biphenyls. These compounds accumulate in organisms, and concentrate in the food chain with resultant pathogenic and teratogenic effects. They also decompose very slowly.

Release. Any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant), but excludes (a) any release that results in exposure to persons solely within a workplace, with respect to a claim that such persons may assert against the employer of such persons; (b) emissions from the engine exhaust of a motor vehicle, rolling stock, aircraft, vessel, or pipeline pumping station engine; (c) release of source, by-product, or special nuclear material from a nuclear incident, as those terms are defined in the Atomic Energy Act of 1954, if such release is subject to requirements with respect to financial protection established by the Nuclear Regulatory Commission under Section 170 of such Act, or, for the purposes of Section 104 of this title or any other response action, any release of source by-product, or special nuclear material from any processing site designated under Section 102(a)(1) or 302(a) of the Uranium Mill Tailings Radiation Control Act of 1978, and (d) the normal application of fertilizer.

Solvent. A substance that dissolves or can dissolve another substance.

Transfer. Permits to other government agencies, donations, land exchanges, transfers of federal government property accountability, easements, leases, or licenses.

Uncontaminated property. Property on which no hazardous substances and no petroleum products or their derivatives were known to have been released or disposed of.

Underground storage tank (UST). Any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products, and the volume of which is 10 percent or more beneath the surface of the ground.

U.S. EPA. The independent federal agency, established in 1970, that regulates environmental matters and oversees the implementation of environmental laws.

Visual inspection. An inspection of a contiguous property or a large, remote area of a base that included a windshield survey of the subject property from public access roads or base property.

Visual site inspection. A physical inspection of a base or contiguous property.

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APPENDIX B
MAPS AND AERIAL PHOTOGRAPHS

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APPENDIX C
SITE PHOTOGRAPHS



Photograph C-1. Manch Manor I housing unit. View looking south.



Photograph C-2. Manch Manor II housing unit. View looking northeast.



Photograph C-3. Manch Manor III Housing Area. View looking north.



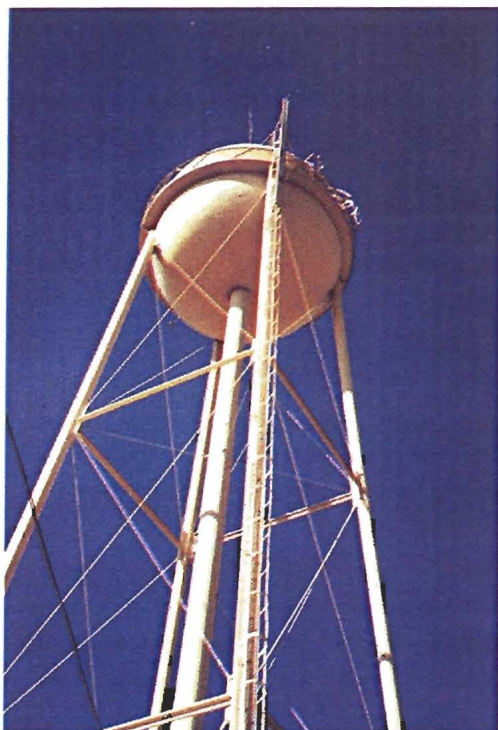
Photograph C-4. Manch Manor Shoppette. View looking north.



Photograph C-5. Manch Manor Fire Station. View looking north.



Photograph C-6. Manch Manor Fire Station. AST situated behind the fire station. View looking west.



Photograph C-7. Water tower (Facility 1012) situated within Manch Manor II.



Photograph C-8. Undeveloped parcel of land referred to as Manch Manor IV.
View looking north.

APPENDIX D
REFERENCES

APPENDIX D

REFERENCES

42 U.S. Code 120 (h)(3), CERCLA.

99th Civil Engineering Squadron, 2001. Personal communication with Barb Burnham (CES/CEH) regarding flooding within the military family housing areas, November.

Air Force Instruction 32-7066, Environmental Baseline Surveys in Real Estate Transactions.

Air Force Policy Directive 32-70, Environmental Quality.

Black and Veatch, 2001. Nellis Air Force Base Landfill LF-02, Project No. RKMF20007001, Annual Groundwater Monitoring Report, September.

Confidential Compliance Consultants, 1996. Lead-Based Paint Inventory and Risk Assessment, Nellis Air Force Base, "Manch-1" Military Housing, Las Vegas, NV, November.

Confidential Compliance Consultants, 1998. Lead Inventory Report, Nellis Terrace, Nellis Air Force Base, NV, December.

Department of the Air Force, 1994. Memorandum for 558 CES/CEH, 1993/1994 Year-Long Radon Testing following Mitigation, Base Housing, September.

Department of Defense, 1995. BRAC Cleanup Plan (BCP): Implementing President Clinton's Decision to Promote Early Reuse of Closing Bases by Expediting Environmental Cleanup.

DGM Enterprises, 2000. Work Order: 96505 – Building #3000 at Nellis Air Force Base, October.

Dynamic Corporation, 1993. Base Housing Asbestos and Lead Based Paint Survey Report for Nellis Air Force Base, Las Vegas, Nevada, March.

Environmental Data Resources, Inc., 2002. The EDR Area Study Report – Study Area, Manch Manor, Las Vegas, NV, 89115, February 19.

FPM Group, Ltd., 2001. Five Year Review, Site ST-27, Nellis Air Force Base, May.

Galson Corporation, 1994. Asbestos and Lead-Based Paint Identification for Nellis Air Force Base, Las Vegas, Nevada, Volume I of III.

Headquarters Air Combat Command, 1998. Electronic mail from Colonel Michael Patrick (ACC/CEV) regarding the "PCB-free" status of ACC installations, December 23.

Headquarters Air Combat Command, 2001. Infrastructure Assessment, Nellis AFB/Indian Springs AFAF. HQ ACC Civil Engineer Operations Division, Infrastructure Operations Branch, 22 January – 1 February.

- Headquarters Air Warfare Center, 1999. Nellis Air Force Base Plan 16, Aboveground Storage Tank Management Plan, December.
- Higgenbotham/Briggs and Associates, 1997. General Plan, Nellis Air Force Base, Nevada, June.
- Montgomery Watson, 2001. Final Stormwater Pollution Prevention Plan for Nellis Air Force Base, Nevada, January.
- Nellis Air Force Base, 1994. Installation Restoration Program, Draft Decision Document for Site DP-9, April.
- Nellis Air Force Base, 1999. Facility Response Plan for Nellis Air Force Base, Final, May.
- Nellis Air Force Base, 2000a. Nellis Air Force Base Plan 12, Hazardous Waste Management Plan, November.
- Nellis Air Force Base, 2000b. Management Action Plan, Nellis AFB, NV (ACC), December.
- Nellis Air Force Base, 2000c. Pest Management Plan for Nellis Air Force Base, Las Vegas, Nevada, Plan Period: January 2001 to January 2002, January.
- Nevada Department of Environmental Protection, 2002. State of Nevada Landfill Inventory, <http://www.ndep.state.nv.us/bwm/landfill.htm> #3.
- U.S. Air Force, 1999. F-22 Aircraft Force Development Evaluation and Weapons School Beddown, Nellis AFB, Final Environmental Impact Statement, October.
- U.S. Department of Agriculture, 1967. Soil Survey, Las Vegas and Eldorado Valleys Area, Nevada. Series 1957, No. 23.
- U.S. Department of Agriculture, 1985. Soil Survey of Las Vegas Valley Area, Nevada, Part of Clark County.
- U.S. Environmental Protection Agency, 2002. EPA Map of Radon Zones. <http://www.epa.gov/iag/radon/zonemap.html>.
- U.S. Department of the Interior, Geological Survey, 1973. Las Vegas NE Quadrangle, Nevada—Clark County, 7.5 Minute Series (Topographic).
- U.S. Environmental Protection Agency, 1994. Military Base Closures: Guidance on U.S. Environmental Protection Agency Concurrence in the Identification of Uncontaminated Parcels under CERCLA Section 120(h)(4). Memorandum to U.S. Environmental Protection Agency Waste Management Division Directorate, April.

APPENDIX E

INTERVIEWS AND VISUAL SITE INSPECTION FORMS

APPENDIX E INTERVIEWS AND VISUAL SITE INSPECTION FORMS

Interviews were conducted with Nellis AFB personnel on 5-8 November 2001. The primary topics of discussion are summarized below by individual.

Ms. Monica Eichler, PCBs, LBP, ACM, Radon, Plans Manager

- All the transformers within the housing areas have been tested for PCBs and those with high levels of PCBs were removed.
- A radon survey was conducted within the housing areas. High levels of radon (above 4 picoCuries) were identified in some units. A subsequent survey also indicated high radon levels. The homes that contained the high radon levels were subsequently demolished. No additional radon surveys have been conducted, but, based on the past survey results, new housing should include mitigation for radon.

Mr. Bernd Schmidt, IRP and AOC Sites

- There are no IRP sites within 0.25 mile of the housing areas. The closest site to the housing areas is located south of Nellis Terrace. It has been designated site SS-45.
- Site OT-50 is a closed IRP site on the water wells parcels.

Mr. D.J. Haarklau, Storage Tanks and Spill Reports

- There are no oil-water separators and no septic tanks within the housing areas.
- There are two underground storage tanks associated with the water well parcels. These tanks have been closed and closure reports have been completed.
- There have been no reportable quantity spills within the housing areas since 1995.

Mr. John Roe, Water and Wastewater

- Wastewater from the base goes to the Clark County Sanitation District. Nellis AFB has an Industrial User Permit with Clark County. Clark County holds the NPDES permit with the State of Nevada.
- There are no sewage lift stations within the housing areas. Sewer lines within these areas are gravity-fed lines. The new sewer lines that will be associated with the housing construction within Manch Manor IV can either be connected to the existing system along Range Road or through the existing system within the remainder of Manch Manor.

Ms. Lynn Haarklau, Cultural Resources

- One-hundred percent of the base has been surveyed for cultural resources. No cultural resources have been identified within or near the housing areas. The State Historic Preservation Officer has concurred with the findings of these survey reports.

Mr. Eric Watkins, Biological Resources

- The water wells parcels contain areas of mesquite trees that provide habitat for a bird (phainopepla) that is a species of concern. The vegetation on the parcels is becoming locally rare because of development, but it is not sensitive enough to be afforded any protection.
- The proposed Manch Manor IV does not contain any sensitive biological resources. Some Las Vegas buckwheat, a plant species of concern, may be found on the parcel, but the plant is more numerous on the adjacent protected bearpoppy area.
- Mr. Watkins understanding is that the base can develop other areas containing Las Vegas bearpoppy as long as it protects the designated bearpoppy area situated north of Manch Manor.

HOUSING PRIVATIZATION EBS
Nellis AFB, Nevada
Visual Site Inspection (VSI)

Date 11/6/01

Inspector JB/CR

Facility Escort John Corlett

Facility: # unknown Name 23A Bartley (Manch I)

This Facility and associated property with regards to disposal represents:

☒ no constraints ☐ known or suspected constraints ☐ unknown constraints

Bio/Physical Setting: residential development (1960s)

Current Use: housing (duplex)

Past Use: ☒ Same as above _____

Does facility generate or store Hazardous Material/Waste: ☐ Yes ☒ No

Did it ever store these: ☐ Yes (Provide Dates _____) ☒ No ☐ Don't Know

Accumulation Point: ☐ Yes ☒ No

Types: _____

Disposal practices: _____

"Housekeeping" in and around building is ☒ Good ☐ Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: _____

Interviews: _____

BUILDING INSPECTION CHECKLIST

Are there any signs of the following on the property Y Yes N No U Unknown

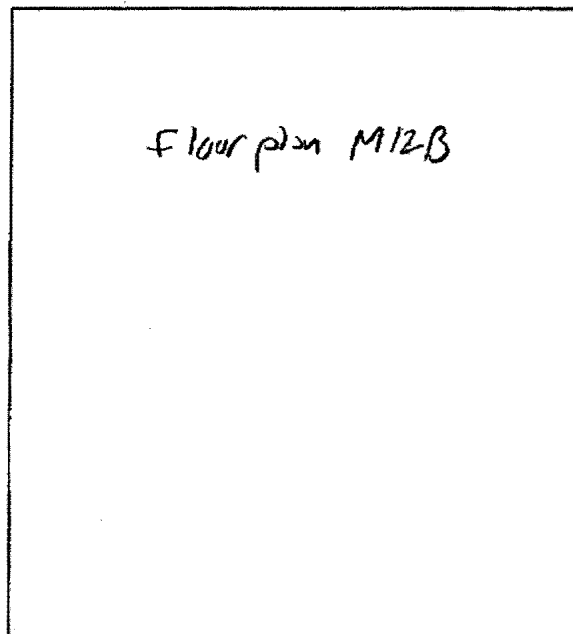
A) <u>N</u> UST	K) <u>N</u> Discolored Soil
B) <u>N</u> AST	L) <u>N</u> Noxious Odors
C) <u>N</u> Oil Water Separator	M) <u>N</u> Sensitive Receptors
D) <u>N</u> Septic Tank	N) <u>N</u> Stressed vegetation
E) <u>N</u> Waste Piles	O) <u>N</u> Fill Areas/Buried Objects
F) <u>N</u> Lead Paint/Pipes	P) <u>N</u> Drums/Drum Storage
G) <u>N</u> PCBs	Q) <u>N</u> Surface Water
H) <u>N</u> Stained Sinks/Floor Drains	R) <u>U</u> Suspected ACM
I) <u>N</u> Evidence of Spills	S) <u>N</u> Other (Explain Below)
J) <u>N</u> Evidence of improper disposal	

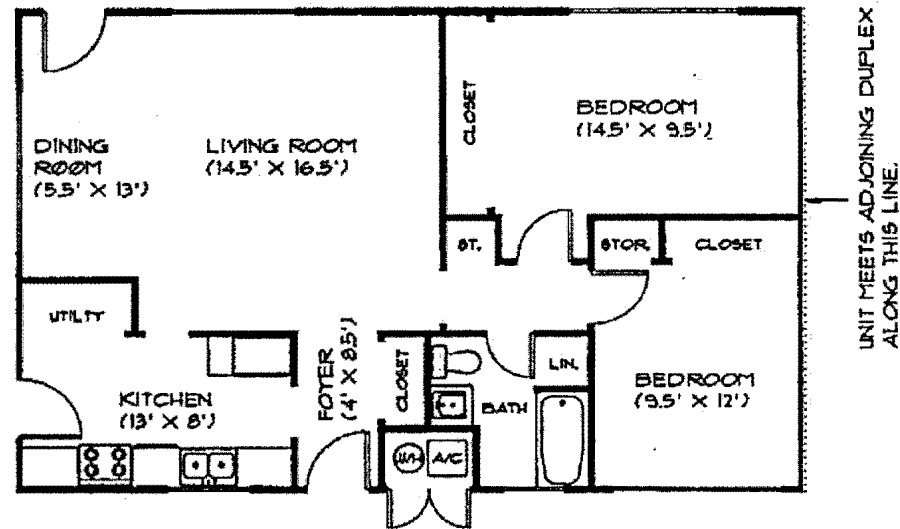
Check List Description:

Facility Diagram

① Floor tile mortar

Roll	Photo Log: Frame	Subject
<u>2</u>	<u>1</u>	<u>house</u>
<u>2</u>	<u>2</u>	<u>street</u>
_____	_____	_____





MODEL M12B

Scale: 1/8" = 1'-0"



Room dimensions are rounded to the nearest half-foot.

Approx. Specifications:

Gross Sq. Ft.: 983 Covered Patio Area: 257 SQ. FT.
Net Sq. Ft.: 871

Housing Management Office: 4390 Devlin Dr., Nellis AFB, NV 89191-6521

Hours of Operation: Mon, Tues, Thur, Fri: 7:30 am - 3:30 pm. Wed, closed at 1 pm for training.

COMM: (702) 652-1840 DSN: 682-1840 FAX: (702) 682-2302

HOUSING PRIVATIZATION EBS
Nellis AFB, Nevada
Visual Site Inspection (VSI)

Date 11/6/01

Inspector JO/CR

Facility Escort John Cozart

Facility: # unknown Name 1A Thurman (Manch II)

This Facility and associated property with regards to disposal represents:

☒ no constraints ☐ known or suspected constraints ☐ unknown constraints

Bio/Physical Setting: residential development (1968)

Current Use: housing (duplex)

Past Use: ☒ Same as above

Does facility generate or store Hazardous Material/Waste: ☐ Yes ☒ No

Did it ever store these: ☐ Yes (Provide Dates _____) ☒ No ☐ Don't Know

Accumulation Point: ☐ Yes ☒ No

Types: _____

Disposal practices: _____

"Housekeeping" in and around building is ☒ Good ☐ Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: Manch II area has many vacant lots -
houses have been demolished because slabs

Interviews: with cracking

BUILDING INSPECTION CHECKLIST

Are there any signs of the following on the property Y Yes N No U Unknown

A)	<u>N</u>	UST	K)	<u>N</u>	Discolored Soil
B)	<u>N</u>	AST	L)	<u>N</u>	Noxious Odors
C)	<u>N</u>	Oil Water Separator	M)	<u>N</u>	Sensitive Receptors
D)	<u>N</u>	Septic Tank	N)	<u>N</u>	Stressed vegetation
E)	<u>N</u>	Waste Piles	O)	<u>N</u>	Fill Areas/Buried Objects
F)	<u>N</u>	Lead Paint/Pipes	P)	<u>N</u>	Drums/Drum Storage
G)	<u>N</u>	PCBs	Q)	<u>N</u>	Surface Water
H)	<u>N</u>	Stained Sinks/Floor Drains	(R)	<u>U</u>	Suspected ACM
I)	<u>N</u>	Evidence of Spills	(S)	<u>Y</u>	Other (Explain Below)
J)	<u>N</u>	Evidence of improper disposal			

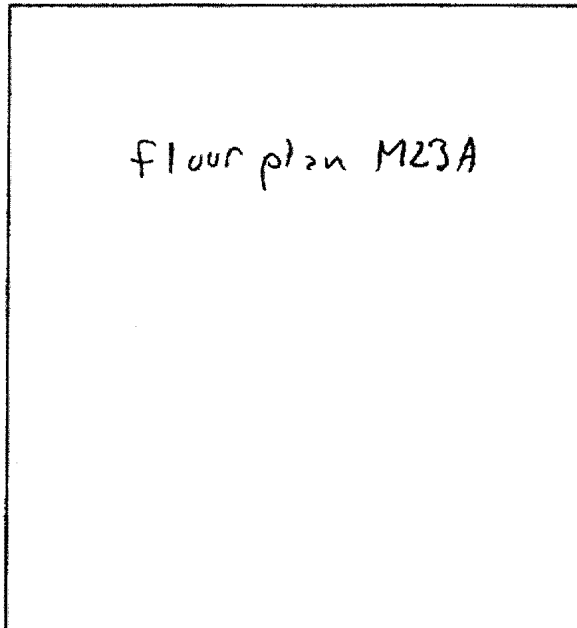
Check List Description:

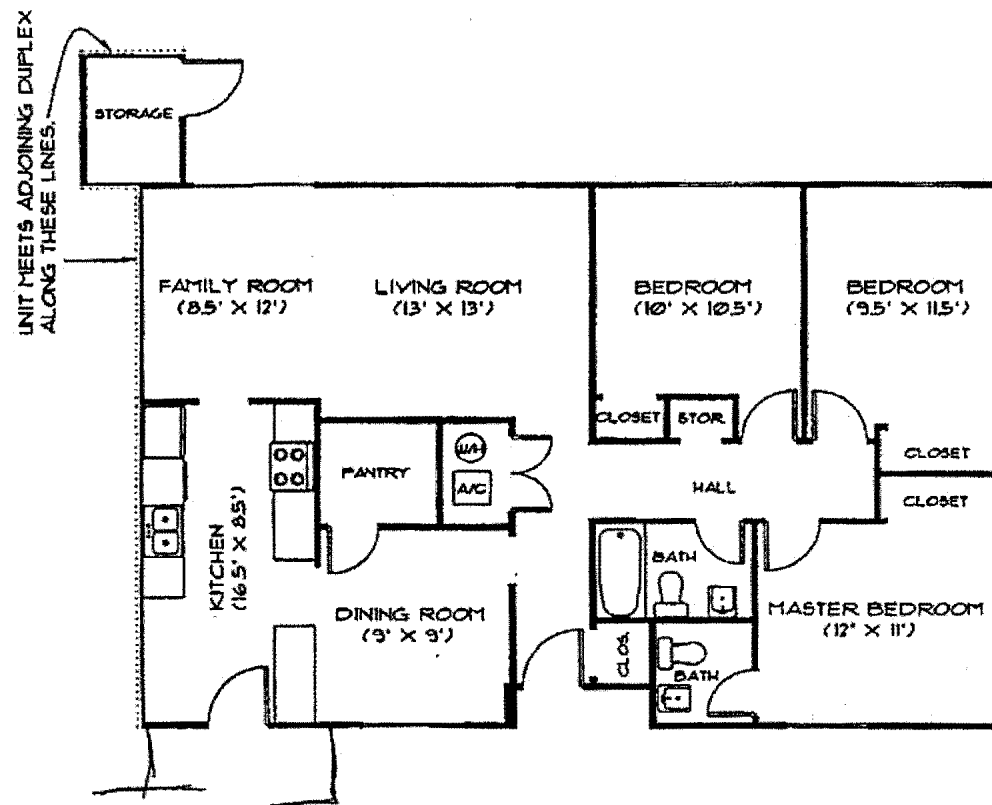
Facility Diagram

② floor tile mastic

⑤ peeling paint - exterior surfaces

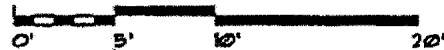
Roll	Photo Log: Frame	Subject
2	3	house
2	4	street





MODEL M23A

Scale: 1/8" = 1'-0"



Room dimensions are rounded to the nearest half-foot.

Approx. Specifications:

Gross Sq. Ft. 1267

Covered Patio Area: N/A

Net Sq. Ft. 1130

Housing Management Office: 4390 Devlin Dr., Nellis AFB, NV 89191-6527

Hours of Operation: Mon, Tues, Thur, Fri: 7:30 am - 3:30 pm. Wed, closed at 1 pm for training.

COMM: (702) 652-1840 DSN: 682-1840 FAX: (702) 682-2302

HOUSING PRIVATIZATION EBS
Nellis AFB, Nevada
Visual Site Inspection (VSI)

Date 11/6/01

Inspector JB/CR

Facility Escort John Carrol

Facility: # unknown Name 9A Dieckelmann (Manch III)

This Facility and associated property with regards to disposal represents:

☒ no constraints ☐ known or suspected constraints ☐ unknown constraints

Bio/Physical Setting: residential development (1978)

Current Use: Housing (duplex)

Past Use: ☒ Same as above

Does facility generate or store Hazardous Material/Waste: ☐ Yes ☒ No

Did it ever store these: ☐ Yes (Provide Dates _____) ☒ No ☐ Don't Know

Accumulation Point: ☐ Yes ☒ No

Types: _____

Disposal practices: _____

"Housekeeping" in and around building is ☒ Good ☐ Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: _____

Interviews: _____

BUILDING INSPECTION CHECKLIST

Are there any signs of the following on the property Y Yes N No U Unknown

A)	<u>N</u>	UST	K)	<u>N</u>	Discolored Soil
B)	<u>N</u>	AST	L)	<u>N</u>	Noxious Odors
C)	<u>N</u>	Oil Water Separator	M)	<u>N</u>	Sensitive Receptors
D)	<u>N</u>	Septic Tank	N)	<u>N</u>	Stressed vegetation
E)	<u>N</u>	Waste Piles	O)	<u>N</u>	Fill Areas/Buried Objects
F)	<u>N</u>	Lead Paint/Pipes	P)	<u>N</u>	Drums/Drum Storage
G)	<u>N</u>	PCBs	Q)	<u>N</u>	Surface Water
H)	<u>N</u>	Stained Sinks/Floor Drains	<u>B</u>	<u>U</u>	Suspected ACM
I)	<u>N</u>	Evidence of Spills	S)	<u>N</u>	Other (Explain Below)
J)	<u>N</u>	Evidence of improper disposal			

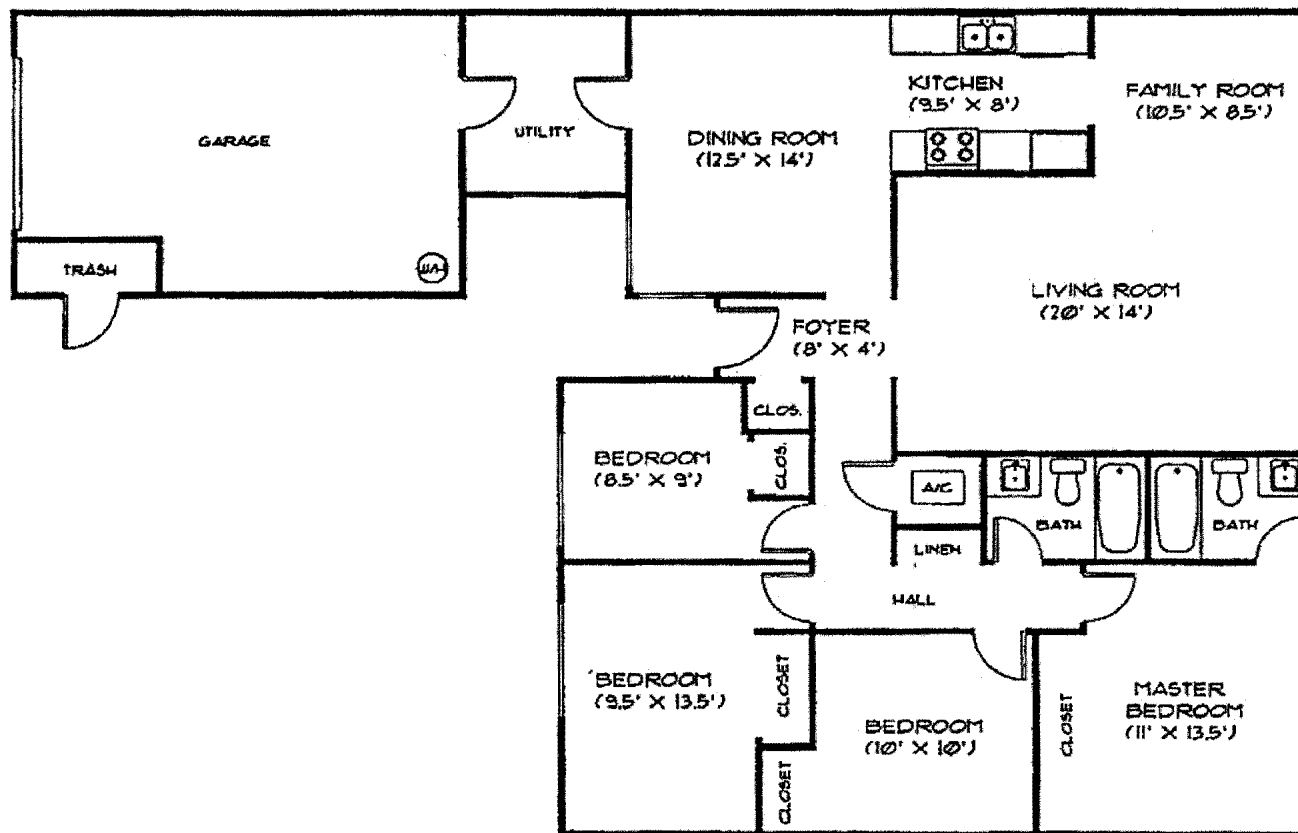
Check List Description:

Facility Diagram

② popcorn ceiling, floor mastic

Roll	Photo Log: Frame	Subject
<u>1</u>	<u>22</u>	<u>house</u>
<u>1</u>	<u>23</u>	<u>street</u>

Floor plan M34B
(house is
mirror image of
floor plan
provided)



MODEL M34B

Scale: 1/8" = 1'-0"



Room dimensions are rounded to the nearest half-foot.

Approx. Specifications:

Gross Sq. Ft: 1894

Covered Patio Area: 150 SQ. FT.

Net Sq. Ft: 1406

Housing Management Office: 4390 Devlin Dr., Nellis AFB, NV 89191-6527

Hours of Operation: Mon, Tues, Thur, Fri: 7:30 am - 3:30 pm. Wed, closed at 1 pm for training.

COMM: (702) 652-1840 DSN: 682-1840 FAX: (702) 682-2302

HOUSING PRIVATIZATION EBS
Nellis AFB, Nevada
Visual Site Inspection (VSI)

Date 11/6/01

Inspector JB/CR

Facility Escort John Cazzetta

1011/
Facility: # 1012 Name Water tower (1011 is shed beneath it)

This Facility and associated property with regards to disposal represents:

☒ no constraints ☐ known or suspected constraints ☐ unknown constraints

Bio/Physical Setting: residential development (Manch 2)

Current Use: water tower

Past Use: ☒ Same as above

Does facility generate or store Hazardous Material/Waste: ☐ Yes ☒ No

Did it ever store these: ☐ Yes (Provide Dates _____) ☒ No ☐ Don't Know

Accumulation Point: ☐ Yes ☒ No

Types: _____

Disposal practices: _____

"Housekeeping" in and around building is ☒ Good ☐ Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: _____

Interviews: _____

BUILDING INSPECTION CHECKLIST

Are there any signs of the following on the property Y Yes N No U Unknown

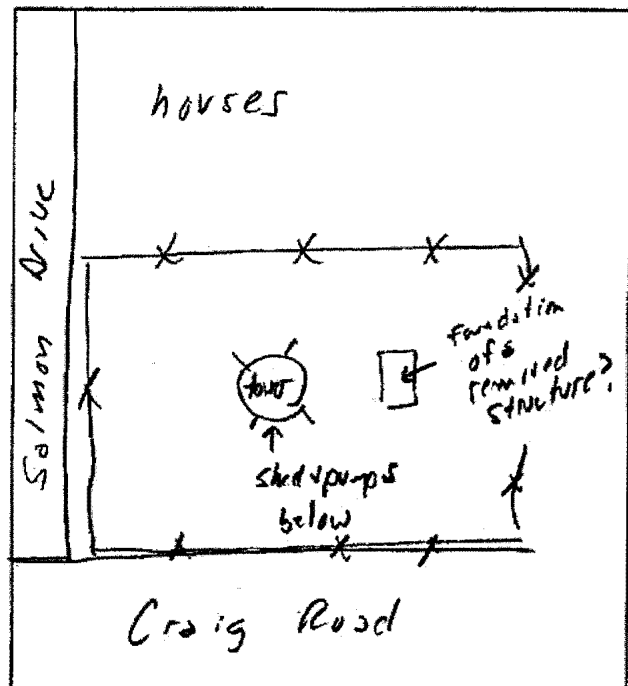
A)	<u>N</u>	UST	K)	<u>N</u>	Discolored Soil
B)	<u>N</u>	AST	L)	<u>N</u>	Noxious Odors
C)	<u>N</u>	Oil Water Separator	M)	<u>N</u>	Sensitive Receptors
D)	<u>N</u>	Septic Tank	N)	<u>N</u>	Stressed vegetation
E)	<u>N</u>	Waste Piles	O)	<u>N</u>	Fill Areas/Buried Objects
<u>F)</u>	<u>Y</u>	Lead Paint/Pipes	P)	<u>N</u>	Drums/Drum Storage
G)	<u>N</u>	PCBs	Q)	<u>N</u>	Surface Water
H)	<u>N</u>	Stained Sinks/Floor Drains	R)	<u>N</u>	Suspected ACM
I)	<u>N</u>	Evidence of Spills	S)	<u>N</u>	Other (Explain Below)
J)	<u>N</u>	Evidence of improper disposal			

Check List Description:

Facility Diagram

F) paint on the water tower

Roll	Photo Log: Frame	Subject
2	5	tower
	6	shed & pumps



HOUSING PRIVATIZATION EBS
Nellis AFB, Nevada
Visual Site Inspection (VSI)

Date 11/6/01

Inspector JB/CR

Facility Escort John Cazale

Facility: # 3000 Name Facilities Section Housing office

This Facility and associated property with regards to disposal represents:

☒ no constraints ☐ known or suspected constraints ☐ unknown constraints

Bio/Physical Setting: residential development (Manch I)

Current Use: housing offices

Past Use: ☐ Same as above nursery (same age as Manch I)

Does facility generate or store Hazardous Material/Waste: ☐ Yes ☒ No

Did it ever store these: ☐ Yes (Provide Dates _____) ☒ No ☐ Don't Know

Accumulation Point: ☐ Yes ☒ No

Types: _____

Disposal practices: _____

"Housekeeping" in and around building is ☒ Good ☐ Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: exterior siding has been recently removed - was ACM tile on exterior

Interviews: _____

BUILDING INSPECTION CHECKLIST

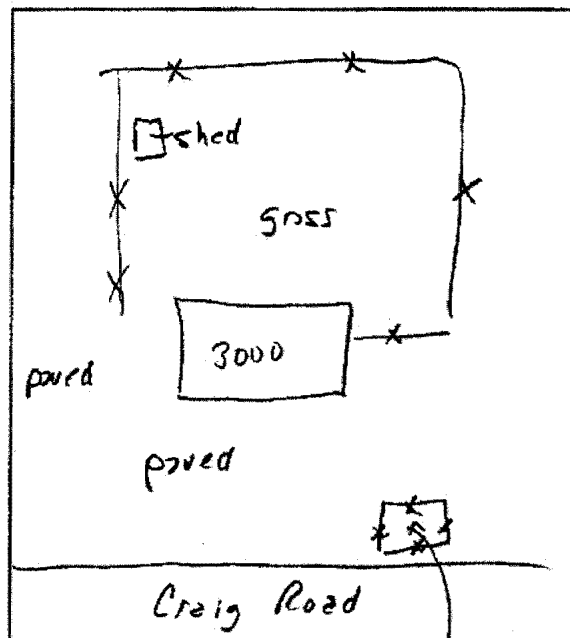
Are there any signs of the following on the property Y Yes N No U Unknown

- | | | | | | |
|----|----------|-------------------------------|----|----------|---------------------------|
| A) | <u>N</u> | UST | K) | <u>N</u> | Discolored Soil |
| B) | <u>N</u> | AST | L) | <u>N</u> | Noxious Odors |
| C) | <u>N</u> | Oil Water Separator | M) | <u>N</u> | Sensitive Receptors |
| D) | <u>N</u> | Septic Tank | N) | <u>N</u> | Stressed vegetation |
| E) | <u>N</u> | Waste Piles | O) | <u>N</u> | Fill Areas/Buried Objects |
| F) | <u>N</u> | Lead Paint/Pipes | P) | <u>N</u> | Drums/Drum Storage |
| G) | <u>N</u> | PCBs | Q) | <u>N</u> | Surface Water |
| H) | <u>N</u> | Stained Sinks/Floor Drains | R) | <u>N</u> | Suspected ACM |
| I) | <u>N</u> | Evidence of Spills | S) | <u>N</u> | Other (Explain Below) |
| J) | <u>N</u> | Evidence of improper disposal | | | |

Check List Description:

Facility Diagram

Roll	Photo Log: Frame	Subject
2	16	front
2	17	gas pipeline



Southwest Gas Corp pipeline valves

HOUSING PRIVATIZATION EBS
Nellis AFB, Nevada
Visual Site Inspection (VSI)

Date 11/6/01

Inspector JB/CR

Facility Escort John Cozlet

Facility: # unknown Name Manch Manor Fire Station

This Facility and associated property with regards to disposal represents:

☒ no constraints ☐ known or suspected constraints ☐ unknown constraints

Bio/Physical Setting: residential (Manch #2 area)

Current Use: fire station

Past Use: ☒ Same as above formerly a duplex

Does facility generate or store Hazardous Material/Waste: ☒ Yes ☐ No

Did it ever store these: ☐ Yes (Provide Dates _____) ☐ No ☐ Don't Know

Accumulation Point: ☐ Yes ☒ No

Types: glass cleaner, STA, ADAX, chrome polish (very small quantities)
moss (for lawn mower) in garage

Disposal practices: _____

"Housekeeping" in and around building is ☒ Good ☐ Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: _____

Interviews: _____

BUILDING INSPECTION CHECKLIST

Are there any signs of the following on the property Y Yes N No U Unknown

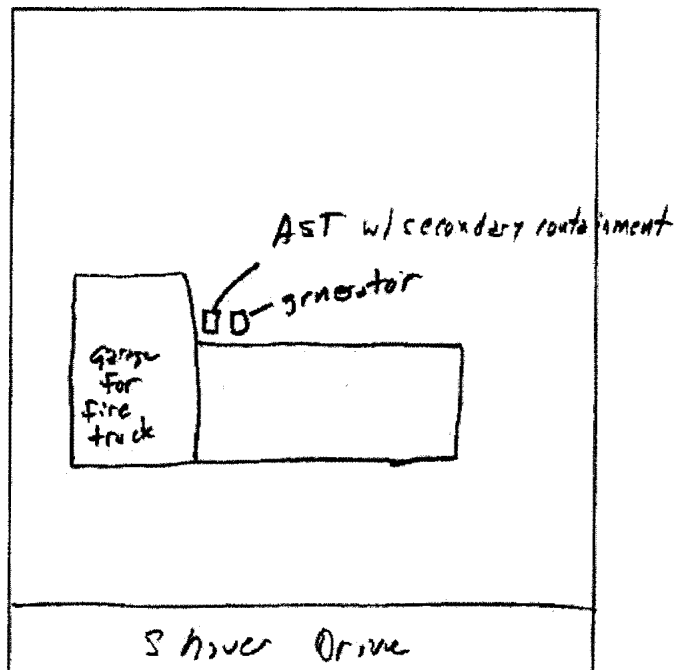
- | | | | | | |
|----|----------|-------------------------------|----|----------|---------------------------|
| A) | <u>N</u> | UST | K) | <u>N</u> | Discolored Soil |
| B) | <u>Y</u> | AST | L) | <u>N</u> | Noxious Odors |
| C) | <u>N</u> | Oil Water Separator | M) | <u>N</u> | Sensitive Receptors |
| D) | <u>N</u> | Septic Tank | N) | <u>N</u> | Stressed vegetation |
| E) | <u>N</u> | Waste Piles | O) | <u>N</u> | Fill Areas/Buried Objects |
| F) | <u>N</u> | Lead Paint/Pipes | P) | <u>N</u> | Drums/Drum Storage |
| G) | <u>N</u> | PCBs | Q) | <u>N</u> | Surface Water |
| H) | <u>N</u> | Stained Sinks/Floor Drains | R) | <u>N</u> | Suspected ACM |
| I) | <u>N</u> | Evidence of Spills | S) | <u>N</u> | Other (Explain Below) |
| J) | <u>N</u> | Evidence of improper disposal | | | |

Check List Description:

Facility Diagram

(B) diesel AST associated with
generator (~25 gallons)

Roll	Photo Log: Frame	Subject
2	11	bed
2	12	front
2	13, 14, 15	AST, generator



HOUSING PRIVATIZATION EBS
Nellis AFB, Nevada
Visual Site Inspection (VSI)

Date 11/6/01

Inspector JB/CR

Facility Escort John Cezulet

Facility: # unknown Name Manch Manor Shopette

This Facility and associated property with regards to disposal represents:

☒ no constraints ☐ known or suspected constraints ☐ unknown constraints

Bio/Physical Setting: residential (Manch II area)

Current Use: mini-mart

Past Use: ☒ Same as above formerly a duplex

Does facility generate or store Hazardous Material/Waste: ☒ Yes ☐ No

Did it ever store these: ☒ Yes (Provide Dates _____) ☐ No ☐ Don't Know

Accumulation Point: ☐ Yes ☒ No

Types: janitorial cleaning supplies; stock includes motor oil, cleaning supplies, etc

Disposal practices: _____

"Housekeeping" in and around building is ☒ Good ☐ Poor: _____

Effluent waste created/Destination: _____

Conditions not mentioned that present concerns: _____

Interviews: _____

BUILDING INSPECTION CHECKLIST

Are there any signs of the following on the property Y Yes N No U Unknown

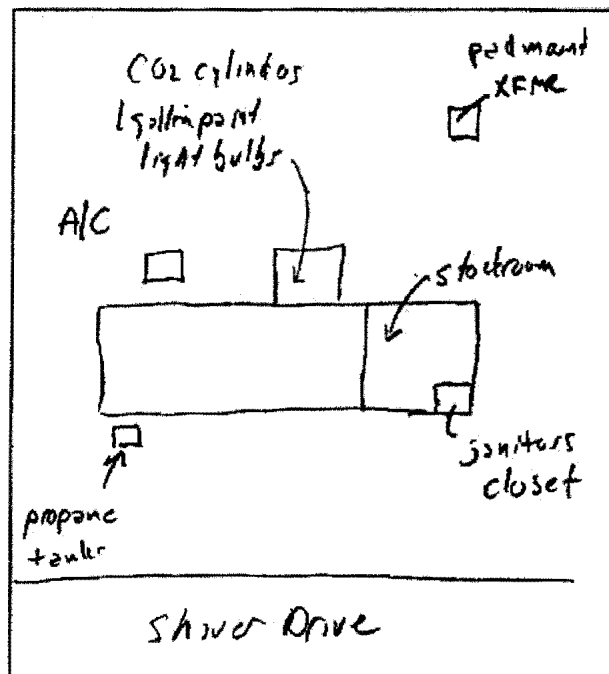
A)	<u>N</u>	UST	K)	<u>N</u>	Discolored Soil
B)	<u>N</u>	AST	L)	<u>N</u>	Noxious Odors
C)	<u>N</u>	Oil Water Separator	M)	<u>N</u>	Sensitive Receptors
D)	<u>N</u>	Septic Tank	N)	<u>N</u>	Stressed vegetation
E)	<u>N</u>	Waste Piles	O)	<u>N</u>	Fill Areas/Buried Objects
F)	<u>N</u>	Lead Paint/Pipes	P)	<u>N</u>	Drums/Drum Storage
G)	<u>N</u>	PCBs	Q)	<u>N</u>	Surface Water
H)	<u>N</u>	Stained Sinks/Floor Drains	R)	<u>N</u>	Suspected ACM
I)	<u>N</u>	Evidence of Spills	<u>(S)</u>	<u>Y</u>	Other (Explain Below)
J)	<u>N</u>	Evidence of improper disposal			

Check List Description:

Facility Diagram

(S) pad-mounted XFMR in
near

Roll	Photo Log: Frame	Subject
2	7,8	front
2	9	back
2	10	XFMR



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APPENDIX F
FEDERAL AND STATE DATABASE SEARCH FINDINGS



The EDR Area Study Report

**Study Area
Manch Manor
Las Vegas, NV 89115**

February 19, 2002

Inquiry number 736310.3s

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).

TARGET PROPERTY INFORMATION

ADDRESS

MANCH MANOR
LAS VEGAS, NV 89115

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL ASTM STANDARD

NPL National Priority List
Proposed NPL Proposed National Priority List Sites
CERCLIS Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP CERCLIS No Further Remedial Action Planned
CORRACTS Corrective Action Report
RCRIS-TSD Resource Conservation and Recovery Information System

FEDERAL ASTM SUPPLEMENTAL

CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
Delisted NPL National Priority List Deletions
MLTS Material Licensing Tracking System
MINES Mines Master Index File
NPL Liens Federal Superfund Liens
PADS PCB Activity Database System
RAATS RCRA Administrative Action Tracking System
TSCA Toxic Substances Control Act
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

AST Aboveground Storage Tanks List

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas Former Manufactured Gas (Coal Gas) Sites

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 06/21/2000 has revealed that there are 7 RCRIS-LQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>CALNEV PIPE LINE CO</i>	<i>5049 N SLOAN LANE</i>	<i>9</i>	<i>9</i>
<i>EQUILON LAS VEGAS SALES TERMIN</i>	<i>5049-B NORTH SLOAN LANE</i>	<i>9</i>	<i>15</i>
<i>PHILLIPS PETROLEUM CO-LAS VEGA</i>	<i>5054 N SLOAN LANE</i>	<i>9</i>	<i>16</i>
<i>CHEVRON U S A MCCARREN AIRPORT</i>	<i>575 KITTYHAWK WAY</i>	<i>15</i>	<i>22</i>
<i>IMMERSION DRY CLEANERS</i>	<i>4350 LAS VEGAS</i>	<i>19</i>	<i>25</i>
<i>SPECIALTY RECYCLING CORP</i>	<i>4475 ANDREWS ST</i>	<i>28</i>	<i>31</i>
<i>USAF NELLIS RANGE COMPLEX</i>	<i>3770 DUFFER DR</i>	<i>41</i>	<i>45</i>

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 06/21/2000 has revealed that there are 11 RCRIS-SQG sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>NVAKNG CLARK COUNTY CSMS OMS</i>	<i>8402 N RANGE RD</i>	<i>1</i>	<i>2</i>
<i>EV CON RECYCLING</i>	<i>4560 HAMMER LN</i>	<i>5</i>	<i>5</i>
<i>A 1 AUTO & SALVAGE</i>	<i>4520 HAMMER LN</i>	<i>5</i>	<i>6</i>
<i>ERA HELICOPTER</i>	<i>14505 MT ANDERSON DR</i>	<i>14</i>	<i>21</i>
<i>INTERMEC MEDIA PRODUCTS WEST</i>	<i>4101 E LONE MOUNTAIN RD</i>	<i>15</i>	<i>22</i>
<i>MOTOR CARGO INC</i>	<i>4225 E LONE MTN RD</i>	<i>16</i>	<i>23</i>
<i>CENTRAL TELEPHONE</i>	<i>3436 ALDEBAREN</i>	<i>16</i>	<i>24</i>
<i>DRIVE A JUNK</i>	<i>4465 N LAS VEGAS BLVD</i>	<i>18</i>	<i>25</i>
<i>ANILOX ROLL CORP</i>	<i>4624 ANDREWS ST</i>	<i>22</i>	<i>28</i>
<i>HENDERSON CITY HALL</i>	<i>240 WATER STREET</i>	<i>26</i>	<i>30</i>
<i>FAST 1 HOUR FOTO INC</i>	<i>700 S BOULDER HWY C 5</i>	<i>42</i>	<i>46</i>

EXECUTIVE SUMMARY

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 08/08/2000 has revealed that there are 18 ERNS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
5049 N SLOAN LN	5049 N SLOAN LN	9	15
5049 NORTH SLOAN LANE	5049 NORTH SLOAN LANE	9	15
5049 N. SLOAN	5049 N. SLOAN	9	15
5049 N. SLOAN LANE	5049 N. SLOAN LANE	9	15
5049 NORTH SLOAN LANE	5049 NORTH SLOAN LANE	9	15
5049 N SLOAN LN	5049 N SLOAN LN	9	16
5049 NORTH SLOAN LANE	5049 NORTH SLOAN LANE	9	16
5049 SLOAN LANE	5049 SLOAN LANE	9	16
5049 N. SLOAN LANE	5049 N. SLOAN LANE	9	16
5049 NORTH SLOAN LANE	5049 NORTH SLOAN LANE	9	16
4950 N. SLOAN LN.	4950 N. SLOAN LN.	12	21
4950 N. SLOAN LN.	4950 N. SLOAN LN.	12	21
4700 LAS VEGAS BLVD N.	4700 LAS VEGAS BLVD N.	13	21
4551 DEVLIN DR	4551 DEVLIN DR	37	43
4551 DEVLIN DRIVE, BUILDING 8H	4551 DEVLIN DRIVE, BUIL	37	44
4551 DEVLIN DR E SIDE OF RUNWA	4551 DEVLIN DR E SIDE O	37	44
4203 PARAMOUNT STREET	4203 PARAMOUNT STREET	38	44
3781 LAS VEGAS BLVD.	3781 LAS VEGAS BLVD.	39	44

STATE ASTM STANDARD

SHWS: Corrective Action Case list (Active, Non-ust Hazardous Waste and Regulated Substance. Correction Actions)

A review of the SHWS list, as provided by EDR, has revealed that there are 14 SHWS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
SOUTHWEST AUTO WRECKING	5380 NORTH NOVAK STREET	5	5
VEGAS OIL	5105 NORTH LAMB BOULEVA	7	7
MELLIS AUTO DISMANTLING	5150 NORTH LAMB BLVD.	7	8
WALTON'S SALVAGE	4904 COPPERSAGE	8	8
CAL NEV PIPELINE	5049 NORTH SLOAN LANE	9	12
CAL NEV PIPELINE COMPANY/TEXAC	5056 NORTH SLOAN AVENUE	9	17
LAS VEGAS PICK-A-PART	4920 NORTH LAMB BOULEVA	10	18
WESTERN METALS RECYCLING	4952 NORTH LAMB BOULEVA	10	18
NEVADA RECYCLING, INC.	5000 RANGE ROAD	11	19
FREDRICKSON TANK LINES	4915 NORTH SLOAN	12	20
CONWAY EXPRESS	4721 EAKER STREET	20	27
SPRINT CENTRAL TELEPHONE	4243 NORTH LAS VEGAS BO	25	29
7-ELEVEN #24209	3901 EAST CRAIG STREET	33	35
NELLIS AIR FORCE BASE	4551 DEVLIN DRIVE	37	43

EXECUTIVE SUMMARY

SWF/LF: Landfill List.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
NELLIS AFB LANDFILL #4 (NEW FA	4551 DEVLIN DRIVE	37	41

LUST: Leaking UST List.

A review of the LUST list, as provided by EDR, and dated 01/09/2002 has revealed that there are 3 LUST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
MOTOR CARGO FREIGHT FACILITY	4225 EAST LONE MOUNTAIN	16	23
7-ELEVEN #18198	4395 NORTH LAS VEGAS BO	19	26
7-ELEVEN #15449	3589 NORTH NELLIS BOULE	43	46

UST: Registered Underground Storage Tank Facilities.

A review of the UST list, as provided by EDR, and dated 01/07/2002 has revealed that there are 40 UST sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
GREEN VALLEY GROCERY #5	4385 N NELLIS BLVD	2	3
SIERRA READY MIX	4150 SMILEY ROAD	6	7
CALNEV PIPE LINE CO	5049 N SLOAN LANE	9	9
FORMER TEXACO SITE--LAS VEGAS	5049 N SLOAN LN	9	11
CALNEV PIPELINE CO--LAS VEGAS	5049 N SLOAN LN	9	12
LAS VEGAS PICK A PART INC	4920 NORTH LAMB BOULEVA	10	18
SILVER DOLLAR RECYCLING	5000 RANGE ROAD	11	20
CHEVRON LAS VEGAS TERMINAL #10	4950 N SLOAN LN	12	20
MOTOR CARGO INC	4225 E LONE MTN RD	16	23
COACH USA	4020 E LONE MTN RD	17	25
7-ELEVEN #18198	4395 LAS VEGAS BLVD NOR	19	26
ROLLINS LEASING CORP--BRANCH 1	4510 VANDENBURG DR	23	29
CENTRAL TELEPHONE COMPANY	4243 LAS VEGAS BLVD NOR	25	30
ABF FREIGHT SYSTEM INC	4501 N LAMB BOULEVARD	27	31
MAC'S CASINO & NEVADA CROSSING	1045 WENDOVER BLVD	29	31
FASTWAY FOOD MART #202	4240 E CRAIG RD	30	33
7-ELEVEN #32130	4728 W CRAIG RD	31	33
FERRARI'S CAR WASH	4895 E CRAIG RD	32	34
7-ELEVEN #24209	3901 E CRAIG RD	33	35
ARCO AM/PM #82070	4380 N LAMB BLVD	34	35
RADAR HILL, TONOPAH AS	4349 DUFFER DRIVE	35	36
GAS N JET	4180 LAS VEGAS BLVD NOR	36	37
USAF-NELLIS AFB - FAC #61647	4551 DEVLIN DR	37	37
FACILITY #940	4551 DEVLIN DRIVE	37	38
USAF - NELLIS AFB - FAC #890	4551 DEVLIN DR	37	38
USAF -NELLIS AFB- FAC #10322	4551 DEVLIN DR	37	39
FACILITY #2000	4551 DEVLIN DRIVE	37	39
FACILITY #2060	4551 DEVLIN DRIVE	37	39

EXECUTIVE SUMMARY

Site	Address	Map ID	Page
NELLIS AFB	4551 DEVLIN DR	37	39
FACILITY #831	4551 DEVLIN DRIVE	37	39
FACILITY #490	4551 DEVLIN DRIVE	37	40
FACILITY 606	4551 DEVLIN DRIVE	37	40
FACILITY #460	4551 DEVLIN DRIVE	37	41
FACILITY #939	4551 DEVLIN DRIVE	37	41
USAF-NELLIS AFB- FAC #941	4551 DEVLIN DR	37	42
FACILITY 814	4551 DEVLIN DRIVE	37	43
USAF- NELLIS AFB- FAC #2814	4551 DEVLIN DR	37	43
SAME AS 8000353	3735 N NELLIS BLVD	40	44
NEW NELLIS THRIFTY MART	3735 N NELLIS BLVD	40	44
7-ELEVEN #15449	3589 N NELLIS BLVD	43	47

FEDERAL ASTM SUPPLEMENTAL

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRAIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/29/2001 has revealed that there are 20 FINDS sites within the searched area.

Site	Address	Map ID	Page
NVARNG CLARK COUNTY CSMS OMS	6402 N RANGE RD	1	2
BAKER COMMODITIES, INC	5725 RANGE RD	4	5
EV CON RECYCLING	4560 HAMMER LN	5	5
A 1 AUTO & SALVAGE	4520 HAMMER LN	5	6
CALNEV PIPE LINE CO	5049 N SLOAN LANE	3	5
EQUILON LAS VEGAS SALES TERMIN	5049-B NORTH SLOAN LANE	9	15
PHILLIPS PETROLEUM CO-LAS VEGA	5054 N SLOAN LANE	9	16
ERA HELICOPTER	14505 MT ANDERSON DR	14	21
INTERMEC MEDIA PRODUCTS WEST	4101 E LONE MOUNTAIN RD	15	22
CHEVRON U S A MCCARREN AIRPORT	575 KITTYHAWK WAY	15	22
MOTOR CARGO INC	4225 E LONE MTN RD	16	23
CENTRAL TELEPHONE	3436 ALDEBAREN	16	24
DRIVE A JUNK	4465 N LAS VEGAS BLVD	18	25
IMMERSION DRY CLEANERS	4350 LAS VEGAS	19	25
NIKKISO CRYO INCORPORATED	4661 EAKER STREET	21	27
ANILOX ROLL CORP	4624 ANDREWS ST	22	28
HIGHWAY RENTALS UNITED RENTALS	4533 ANDREWS ST	24	29
HENDERSON CITY HALL	240 WATER STREET	26	30
SPECIALTY RECYCLING CORP	4475 ANDREWS ST	28	31
FAST 1 HOUR PHOTO INC	700 S BOULDER HWY CS	42	46

EXECUTIVE SUMMARY

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 05/31/2001 has revealed that there are 2 HMIRS sites within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
Not reported	4610 EAKER ST	21	27
Not reported	4501 N LAMB BLVD	27	31

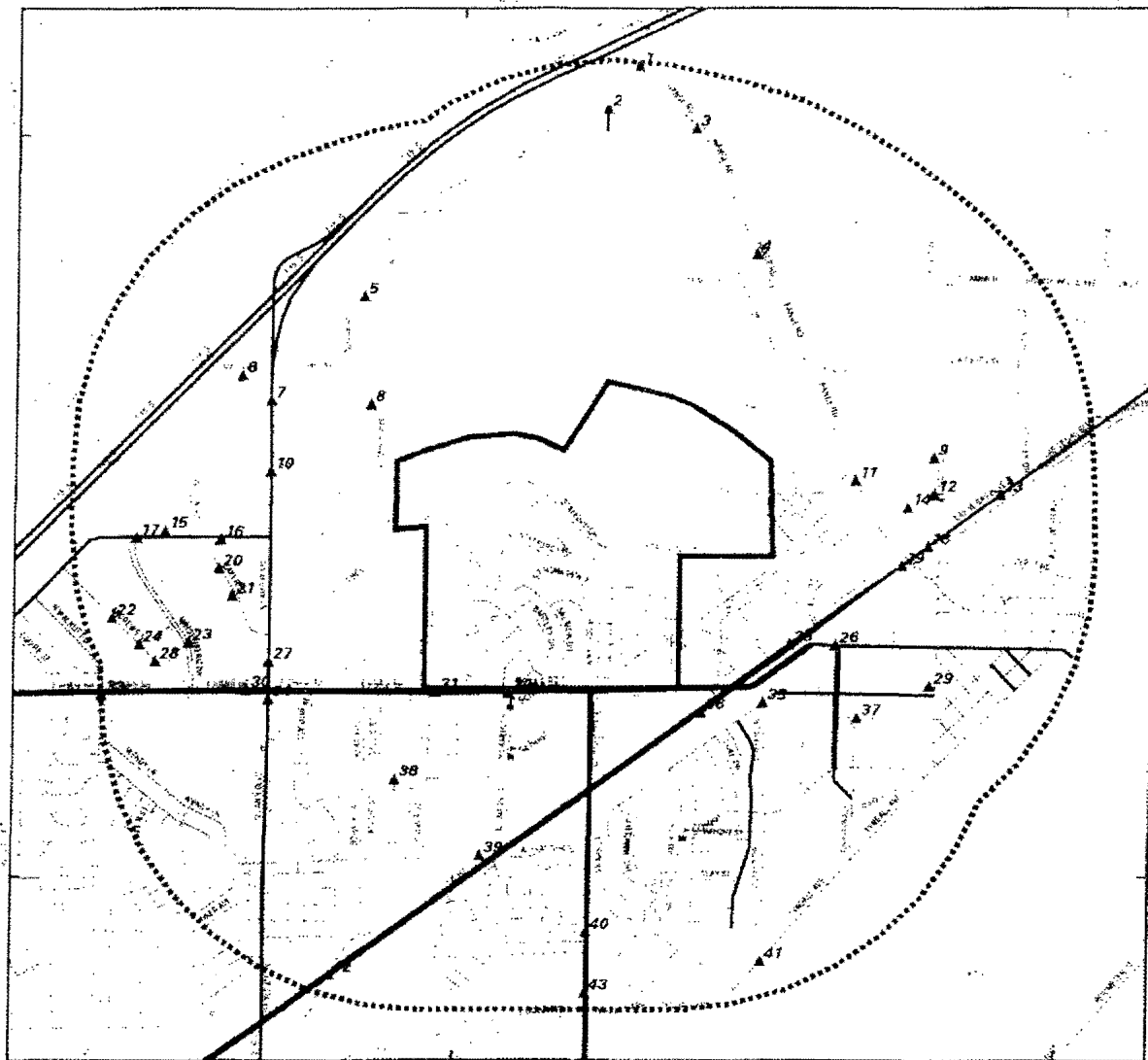
TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/1999 has revealed that there is 1 TRIS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
UNIVERSAL URETHANE INC.	4201 E. LONE MOUNTAIN R	16	23

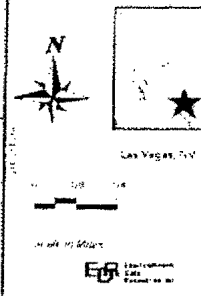
EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.



Manch Manor

- ▲ Listed Sites
- ▲ Intracake (p-cakes)
- ▲ (Richardson or greater)
- ▲ Sector Boundary
- ▲ Roads
- ▲ Major Roads
- ▲ Waterways
- ▲ Railroads
- ▲ Contour Lines
- ▲ Pipelines
- ▲ Powerlines
- ▲ Fault Lines
- ▲ Water
- ▲ Superfund Sites
- ▲ 100-yr Flood Zones



EG Environmental
Data
Processing

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL ASTM STANDARD</u>	
NPL	0
Proposed NPL	0
CERCLIS	0
CERC-NFRAP	0
CORRACTS	0
RCRIS-TSD	0
RCRIS Lg. Quan. Gen.	7
RCRIS Sm. Quan. Gen.	11
ERNS	18
<u>STATE ASTM STANDARD</u>	
State Haz. Waste	14
State Landfill	1
LUST	3
UST	40
<u>FEDERAL ASTM SUPPLEMENTAL</u>	
CONSENT	0
ROD	0
Delisted NPL	0
FINDS	20
HMIRS	2
MLTS	0
MINES	0
NPL Liens	0
PADS	0
RAATS	0
TRIS	1
TCCA	0
FTTS	0
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>	
AST	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>	
Coal Gas	0

* Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1 NVARNG CLARK COUNTY CSMS OMS
6402 N RANGE RD
LAS VEGAS, NV 89115

RCRIS-SQG 1001197219
FINDS NVR000003194

RCRIS:

Owner: NV ARMY NATL GUARD
(702) 887-7373

Contact: DOYLE HANKS
(702) 887-7373

Record Date: 04/28/1997
Classification: Small Quantity Generator
Used Oil Recyc: No

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/29/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/29/1998
Actual Date Achieved Compliance: 05/29/1998

Enforcement Action: Written Informal
Enforcement Action Date: 04/29/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/29/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/29/1998
Actual Date Achieved Compliance: 05/29/1998

Enforcement Action: Written Informal
Enforcement Action Date: 04/29/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/29/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/29/1998
Actual Date Achieved Compliance: 05/29/1998

Enforcement Action: Written Informal
Enforcement Action Date: 04/29/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 04/29/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/29/1998
Actual Date Achieved Compliance: 05/29/1998

Enforcement Action: Written Informal

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

NVARNG CLARK COUNTY CSMS OMS (Continued)

1001197219

Enforcement Action Date: 04/29/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

There are 4 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	05/29/1998
	Generator-All Requirements	05/29/1998
	Generator-All Requirements	05/29/1998
	Generator-All Requirements	05/29/1998

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

2 GREEN VALLEY GROCERY #5 4385 N NELLIS BLVD LAS VEGAS, NV 89115

UST U003379728
N/A

UST:

Facility ID:	8-000218	Tank ID:	1
Install Date:	07/01/1985	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Epoxy Coated Steel	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000218	Tank ID:	2
Install Date:	07/01/1985	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000218	Tank ID:	3
Install Date:	07/01/1985	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)	None	
Pipe:	Fiberglass Reinforced Plastic	None	

3 G & O TRANSPORTATION, INC. 5225 E EL CAMPO GRANDE LAS VEGAS, NV 89115

Ind. Haz Waste S103614679
N/A

TX IHW:

Registration Number: 85577
Registration Initial Notification Date: 04/01/1998
Registration Last Amendment Date: Not reported
EPA Identification: NVR000000760
TNRCC Permit Number: Not reported
Description of Facility Site Location: 5225 E El Campo Grande, Las Vegas, NV
Site Primary Standard Industrial Code: Not reported
Registration is a Generator of Waste: No
Registration is a Receivers of Waste: No
Registration is a Transporter of Waste: Yes

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

G & O TRANSPORTATION, INC. (Continued)

S103614679

Registration is a Transfer Facility: No
Mexican Facility: Does not represent a Maquiladora (Mexican Facility)
Facility Status: Active
Type of Generator: Not reported
Company Name: G & O Transportation, Inc.
Facility County: Not reported
TNRCC Region: Not reported
Mailing Address: 5225 E El Campo Grande
Las Vegas, NV 89115
Mailing County: USA
Mailing Add 3: Not reported
Contact: Kathy Pinkerton
Contact Telephone Number: 702-643-7245

Additional detail may be available for this site. Please contact your EDR Account Executive for more information

Registration Number: 85577
Registration Initial Notification Date: 04/07/1998
Registration Last Amendment Date: Not reported
EPA Identification: NVR000000760
TNRCC Permit Number: Not reported
Description of Facility Site Location: 5225 E El Campo Grande, Las Vegas, NV
Site Primary Standard Industrial Code: Not reported
Registration is a Generator of Waste: No
Registration is a Receiver of Waste: No
Registration is a Transporter of Waste: Yes
Registration is a Transfer Facility: No
Mexican Facility: Does not represent a Maquiladora (Mexican Facility)
Facility Status: Active
Type of Generator: Not reported
Company Name: G & O Transportation, Inc.
Facility County: Not reported
TNRCC Region: Not reported
Mailing Address: 5225 E El Campo Grande
Las Vegas, NV 89115
Mailing County: USA
Mailing Add 3: Not reported
Contact: Kathy Pinkerton
Contact Telephone Number: 702-643-7245

Additional detail may be available for this site. Please contact your EDR Account Executive for more information

Registration Number: 85577
Registration Initial Notification Date: 04/07/1998
Registration Last Amendment Date: Not reported
EPA Identification: NVR000000760
TNRCC Permit Number: Not reported
Description of Facility Site Location: 5225 E El Campo Grande, Las Vegas, NV
Site Primary Standard Industrial Code: Not reported
Registration is a Generator of Waste: No
Registration is a Receiver of Waste: No
Registration is a Transporter of Waste: Yes
Registration is a Transfer Facility: No
Mexican Facility: Does not represent a Maquiladora (Mexican Facility)
Facility Status: Active

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

G & O TRANSPORTATION, INC. (Continued)

S103614679

Type of Generator: Not reported
Company Name: G & O Transportation, Inc.
Facility County: Not reported
TNRCC Region: Not reported
Mailing Address: 5225 E El Campo Grande
Las Vegas, NV 89115
Mailing County: USA
Mailing Add 3: Not reported
Contact: Kathy Pinkerton
Contact Telephone Number: 702-643-7245

Additional detail may be available for this site. Please contact your EDR Account Executive for more information

4 BAKER COMMODITIES, INC
5725 RANGE RD
LAS VEGAS, NV 89115

FINDS 1004098621
000008053888

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Permit Compliance System (PCS)

5 SOUTHWEST AUTO WRECKING
5380 NORTH NOVAK STREET
LAS VEGAS, NV

SHWS S103877240
N/A

SHWS:

Facility ID: H-001241
Responsible Party Name: Not reported
Responsible Party Address: Not reported
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 11-Jul-91
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: Not reported
Substance Released: Petroleum hydro
Description of Contaminant: Not reported
Date of Closure: 07-Dec-92
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

5 EV CON RECYCLING
4560 HAMMER LN
LAS VEGAS, NV 89115

RCRIS-SQG 1001222098
FINDS NVR000037432

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

EV CON RECYCLING (Continued)

1001222098

RCRIS:

Owner: CRAIG HERZBERG
(702) 870-2181

Contact: CRAIG HERZBERG
(702) 644-1167

Record Date: 03/19/1998

Classification: Not reported

Used Oil Recyc: Yes

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 05/13/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/27/1998
Actual Date Achieved Compliance: 05/28/1998

Enforcement Action: Written Informal
Enforcement Action Date: 05/15/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 05/13/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 05/27/1998
Actual Date Achieved Compliance: 05/28/1998

Enforcement Action: Written Informal
Enforcement Action Date: 05/15/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

There are 2 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Other Evaluation	Generator-All Requirements	05/28/1998
	Generator-All Requirements	05/28/1998

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

5

A 1 AUTO & SALVAGE
4520 HAMMER LN
LAS VEGAS, NV 89115

RCRIS-SQG 1000103165
FINDS NVD981686512

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

A 1 AUTO & SALVAGE (Continued)

1000103165

RCRIS:
Owner: ALBERT L GONSER
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(702) 644-1050
Record Date: 06/01/1995
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

6

**SIERRA READY MIX
4150 SMILEY ROAD
NORTH LAS VEGAS, NV 89031**

**UST U003380829
N/A**

UST:

Facility ID:	8-001655	Tank ID:	1
Install Date:	01/01/1990	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-001655	Tank ID:	2
Install Date:	01/01/1990	Tank Capacity:	550
Tank Status:	Currently in Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	

7

**VEGAS OIL
5105 NORTH LAMB BOULEVARD
LAS VEGAS, NV**

**SHWS S103877086
N/A**

SHWS:

Facility ID: H-000995
Responsible Party Name: Not reported
Responsible Party Address: Not reported
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 22-Aug-95
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: Not reported
Substance Released: TPH
Description of Contaminant: Not reported
Date of Closure: 03-Jul-96
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

VEGAS OIL (Continued)

S103877086

Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

7

**MELLIS AUTO DISMANTLING
5150 NORTH LAMB BLVD.
LAS VEGAS, NV**

**SHWS S104916091
N/A**

SHWS:
Facility ID: H-001304
Responsible Party Name: Not reported
Responsible Party Address: North Lamb Blvd. and Smiley
Las Vegas, NV
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Investigation
Date Release Reported to NDEP: 03-Jul-98
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: 980708-2936
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: Not reported
Substance Released: Motor Oil
Description of Contaminant: waste oil, auto fluids
Date of Closure: 14-Jul-98
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

8

**WALTON'S SALVAGE
4904 COPPERSTONE
LAS VEGAS, NV**

**SHWS S103877072
N/A**

SHWS:
Facility ID: H-000946
Responsible Party Name: Not reported
Responsible Party Address: Not reported
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 06-Feb-95
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: Not reported
Substance Released: Waste Oil
Description of Contaminant: Not reported
Date of Closure: 08-Mar-95
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

WALTON'S SALVAGE (Continued)

S103877072

Modification of the discrete activity:

9

CALNEV PIPE LINE CO
5049 N SLOAN LANE
LAS VEGAS, NV 89115

FINDS 1000882053
RCRIS-LQG NVD990764961
UST
CA HAZNET

RCRIS:

Owner: CALNEV PIPE LINE CO
(415) 555-1212

Contact: JEFF PARRISH
(714) 387-9509

Record Date: 01/17/1992

Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)
D001	20060.20

Used Oil Recyc: No

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	05/18/1998
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	Not reported
Actual Date Achieved Compliance:	07/06/1998
Enforcement Action:	Written Informal
Enforcement Action Date:	05/18/1998
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of</u>
Other Evaluation	Generator-All Requirements	<u>Compliance</u>
		07/06/1998

FINDS:

Other Pertinent Environmental Activity Identified at Site:

AIRS Facility System (AIRS/AFS)
Biennial Reporting System (BRS)
Enforcement Docket System (DOCKET)
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

UST:

Facility ID:	8-000013	Tank ID:	1
Install Date:	04/18/1971	Tank Capacity:	10310
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Galvanized Steel	None	

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CALNEV PIPE LINE CO (Continued)

1000882053

Facility ID:	8-000013	Tank ID:	2
Install Date:	04/01/1971	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel		None
Pipe:	Galvanized Steel		None

Facility ID:	8-000013	Tank ID:	3
Install Date:	04/01/1973	Tank Capacity:	2500
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel		None
Pipe:	Galvanized Steel		None

Facility ID:	8-000013	Tank ID:	4
Install Date:	04/01/1973	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel		None
Pipe:	Galvanized Steel		None

Facility ID:	8-000013	Tank ID:	5
Install Date:	04/01/1962	Tank Capacity:	1000
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel		None
Pipe:	Galvanized Steel		None

HAZNET:

Gepaid: NVD990764961
 Tepaid: CAT080013352
 Gen County: 99
 Tsd County: Los Angeles
 Tons: 100.0800
 Category: Tank bottom waste
 Disposal Method: Recycler
 Contact: GATX CORPORATION
 Telephone: (714) 387-9509
 Mailing Address: PO BOX 6346
 SAN BERNARDINO, CA 92412 - 6346
 County: 99

Gepaid: NVD990764961
 Tepaid: CAD028409019
 Gen County: 99
 Tsd County: Los Angeles
 Tons: 17.5140
 Category: ***
 Disposal Method: Not reported
 Contact: GATX CORPORATION
 Telephone: (714) 387-9509
 Mailing Address: PO BOX 6346
 SAN BERNARDINO, CA 92412 - 6346
 County: 99

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CALNEV PIPE LINE CO (Continued)

1000882053

Gepaid: NVD990764961
Tepaid: CAD028409019
Gen County: 99
Tsd County: Los Angeles
Tons: 17.5140
Category: Unspecified aqueous solution
Disposal Method: Not reported
Contact: GATX CORPORATION
Telephone: (714) 387-9509
Mailing Address: PO BOX 6346
SAN BERNARDINO, CA 92412 - 6346
County: 99

Gepaid: NVD990764961
Tepaid: CAD028409019
Gen County: 99
Tsd County: Los Angeles
Tons: 35.0280
Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Contact: GATX CORPORATION
Telephone: (714) 387-9509
Mailing Address: PO BOX 6346
SAN BERNARDINO, CA 92412 - 6346
County: 99

Gepaid: NVD990764961
Tepaid: CAD028409019
Gen County: 99
Tsd County: Los Angeles
Tons: .0000
Category:
Disposal Method: Treatment, Tank
Contact: GATX CORPORATION
Telephone: (714) 387-9509
Mailing Address: PO BOX 6346
SAN BERNARDINO, CA 92412 - 6346
County: 99

The CA HAZNET database contains 21 additional records for this site.
Please contact your EDR Account Executive for more information.

9

**FORMER TEXACO SITE--LAS VEGAS STORAGE TERMINAL
5049 N SLOAN LN
LAS VEGAS, NV 89115**

**UST U003380124
N/A**

UST:

Facility ID:	8-000688	Tank ID:	1
Install Date:	04/21/1962	Tank Capacity:	1000
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel		None
Pipe:	Galvanized Steel		Cathodically Protected

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

FORMER TEXACO SITE--LAS VEGAS STORAGE TERMINAL (Continued)

U003380124

Facility ID:	8-000688	Tank ID:	2
Install Date:	04/21/1973	Tank Capacity:	2000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Galvanized Steel	Cathodically Protected	
Facility ID:	8-000688	Tank ID:	3
Install Date:	04/21/1973	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Galvanized Steel	Cathodically Protected	
Facility ID:	8-000688	Tank ID:	4
Install Date:	04/21/1980	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Galvanized Steel	Cathodically Protected	
Facility ID:	8-000688	Tank ID:	5
Install Date:	04/21/1980	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Galvanized Steel	Cathodically Protected	

9 CALNEV PIPELINE CO--LAS VEGAS STORAGE TERMINAL
5049 N SLOAN LN
LAS VEGAS, NV 89115

UST U003379605
N/A

UST:

Facility ID:	8-000066	Tank ID:	1
Install Date:	01/01/1988	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Galvanized Steel	Cathodically Protected	

9 CAL NEV PIPELINE
5049 NORTH SLOAN LANE
LAS VEGAS, NV 89110

SHWS S103875773
N/A

SHWS:

Facility ID:	8-000066
Responsible Party Name:	Brian McGuire
Responsible Party Address:	Post Office Box 6346 San Bernardino, CA 92412
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	Not reported
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	CCHD: Las Vegas
Type of Media Impacted:	Not reported

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CAL NEV PIPELINE (Continued)

S103875773

Type of Container: Not reported
Substance Released: Not reported
Description of Contaminant: Not reported
Date of Closure: 07-Jul-92
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

Facility ID: 8-000066
Responsible Party Name: Brian McGuire
Responsible Party Address: Post Office Box 6346
San Bernardino, CA 92412

Activity Event Number: Not reported
Activity ID: 2
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 16-Feb-96
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Carson City
Type of Media Impacted: Soil
Type of Container: Other
Substance Released: Gasoline
Description of Contaminant: Tank Farm
Date of Closure: Not reported
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

Facility ID: 8-000066
Responsible Party Name: Brian McGuire
Responsible Party Address: Post Office Box 6346
San Bernardino, CA 92412

Activity Event Number: Not reported
Activity ID: 3
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 15-Dec-98
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Carson City
Type of Media Impacted: Soil
Type of Container: Other
Substance Released: Gasoline
Description of Contaminant: pipeline repair - 150 gallons gas & water
Date of Closure: 21-Jan-99
Regulatory Type of Closure: NAC 445A A-K
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CAL NEV PIPELINE (Continued)

S103875773

Facility ID: 8-000066
Responsible Party Name: Brian McGuire
Responsible Party Address: Post Office Box 6346
San Bernardino, CA 92412
Activity Event Number: Not reported
Activity ID: 4
Type of Activity: Confirmed Release
Date Release Reported to NDEP: Not reported
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Carson City
Type of Media Impacted: Soil
Type of Container: Other
Substance Released: Diesel
Description of Contaminant: Not reported
Date of Closure: 08-Jan-99
Regulatory Type of Closure: Other
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

Facility ID: 8-000066
Responsible Party Name: Brian McGuire
Responsible Party Address: Post Office Box 6346
San Bernardino, CA 92412
Activity Event Number: Not reported
Activity ID: 5
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 19-Feb-99
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Carson City
Type of Media Impacted: Soil
Type of Container: Other
Substance Released: Unknown
Description of Contaminant: Not reported
Date of Closure: 01-Apr-99
Regulatory Type of Closure: NAC 445A A-K
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

Facility ID: 8-000066
Responsible Party Name: Brian McGuire
Responsible Party Address: Post Office Box 6346
San Bernardino, CA 92412
Activity Event Number: Not reported
Activity ID: 6
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 08-Feb-00
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

CAL NEV PIPELINE (Continued)

S103875773

Location of Paper File: NDEP: Carson City
Type of Media Impacted: Soil
Type of Container: Other
Substance Released: Gasoline
Description of Contaminant: pipeline leak
Date of Closure: 23-Mar-00
Regulatory Type of Closure: NAC 445A A-K
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

9	5049 N SLOAN LN 5049 N SLOAN LN LAS VEGAS, NV	ERNS	90465420 N/A
9	EQUILON LAS VEGAS SALES TERMINAL 5049-B NORTH SLOAN LANE LAS VEGAS, NV 89115	FINDS RCRIS-LQG	1000144762 NVD000626184
RCRIS: Owner: EQUILON ENTERPRISES LLC (713) 241-5410 Contact: Not reported Record Date: 08/13/1999 Classification: Large Quantity Generator Used Oil Recyc: No Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Facility Registry System (FRS) Resource Conservation and Recovery Act Information system (RCRAINFO)			
9	5049 NORTH SLOAN LANE 5049 NORTH SLOAN LANE LAS VEGAS, NV 89115	ERNS	93468191 N/A
9	5049 N. SLOAN 5049 N. SLOAN LAS VEGAS, NV	ERNS	93339761 N/A
9	5049 N. SLOAN LANE 5049 N. SLOAN LANE LAS VEGAS, NV 89115	ERNS	96513636 N/A
9	5049 NORTH SLOAN LANE 5049 NORTH SLOAN LANE LAS VEGAS, NV	ERNS	90465446 N/A

Map ID
Direction
Distance
Distance (ft.)Site

MAP FINDINGS

EDR ID Number

Database(s) EPA ID Number

9	5049 N SLOAN LN 5049 N SLOAN LN LOS VEGAS, NV	ERNS	90163198 N/A
9	5049 NORTH SLOAN LANE 5049 NORTH SLOAN LANE LAS VEGAS, NV	ERNS	93338098 N/A
9	5049 SLOAN LANE 5049 SLOAN LANE LAS VEGAS, NV 89115	ERNS	93332899 N/A
9	5049 N. SLOAN LANE 5049 N. SLOAN LANE LAS VEGAS, NV 89115	ERNS	93349425 N/A
9	5049 NORTH SLOAN LANE 5049 NORTH SLOAN LANE LAS VEGAS, NV	ERNS	90158392 N/A
9	IX REBEL OIL COMPANY 5054 NO SLOAN AVE LAS VEGAS, NV 89115 HAZNET: Gepaid: NVC980415017 Tepaid: CAT080013352 Gen County: 99 Tsd County: Los Angeles Tons: 4.1700 Category: Unspecified organic liquid mixture Disposal Method: Recycler Contact: REBEL OIL COMPANY Telephone: (000) 000-0000 Mailing Address: 5054 NO SLOAN AVE LAS VEGAS, NV 89115 County 99 Gepaid: NVC980415017 Tepaid: CAT080013352 Gen County: 99 Tsd County: Los Angeles Tons: 16.6800 Category: Unspecified organic liquid mixture Disposal Method: Recycler Contact: REBEL OIL COMPANY Telephone: (000) 000-0000 Mailing Address: 5054 NO SLOAN AVE LAS VEGAS, NV 89115 County 99	HAZNET	S103971188 N/A
9	PHILLIPS PETROLEUM CO-LAS VEGAS TERM 5054 N SLOAN LANE LAS VEGAS, NV 89030	FINDS RCRIS-LQG	1000289499 NVT000618959

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

PHILLIPS PETROLEUM CO-LAS VEGAS TERM (Continued)

1000289499

RCRIS:

Owner: PHILLIPS PETROLEUM COMPANY
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(702) 643-8083

Record Date: 07/31/1990
Classification: Large Quantity Generator
Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

3

CAL NEV PIPELINE COMPANY/TEXAC
5056 NORTH SLOAN AVENUE
LAS VEGAS, NV 89115

SHWS - S103875742
N/A

SHWS:

Facility ID: 8-000013
Responsible Party Name: Not reported
Responsible Party Address: Los Angeles, CA
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: Not reported
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Carson City
Type of Media Impacted: Soil
Type of Container: Not reported
Substance Released: Not reported
Description of Contaminant: Not reported
Date of Closure: 14-Mar-93
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported

Modification of the discrete activity:

Facility ID: 8-000013
Responsible Party Name: Not reported
Responsible Party Address: Los Angeles, CA
Activity Event Number: Not reported
Activity ID: 2
Type of Activity: Confirmed Release
Date Release Reported to NDEP: Not reported
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: CCHD: Las Vegas
Type of Media Impacted: Not reported
Type of Container: Not reported
Substance Released: Not reported
Description of Contaminant: Not reported
Date of Closure: 06-Nov-91

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

CAL NEV PIPELINE COMPANY/TEXAC (Continued)

S103875742

Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

**10 LAS VEGAS PICK A PART INC
4920 NORTH LAMB BOULEVARD
LAS VEGAS, NV 89115**

**UST U003380563
N/A**

UST:

Facility ID:	8-001340	Tank ID:	1
Install Date:	06/01/1987	Tank Capacity:	500
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Type:	Bare Steel	None	

**10 LAS VEGAS PICK-A-PART
4920 NORTH LAMB BOULEVARD
LAS VEGAS, NV 89115**

**SHWS S103876149
N/A**

SHWS:

Facility ID:	8-001340
Responsible Party Name:	Not reported
Responsible Party Address:	Not reported
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	Not reported
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	Not reported
Type of Media Impacted:	Not reported
Type of Container:	Not reported
Substance Released:	Not reported
Description of Contaminant:	Not reported
Date of Closure:	04-Oct-94
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported
Modification of the discrete activity:	

**10 WESTERN METALS RECYCLING
4952 NORTH LAMB BOULEVARD
LAS VEGAS, NV**

**SHWS S104535021
N/A**

SHWS:

Facility ID:	H-000058
Responsible Party Name:	Dennis Schofield
Responsible Party Address:	Not reported
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Investigation
Date Release Reported to NDEP:	24-Apr-00

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

WESTERN METALS RECYCLING (Continued)

S104535021

Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: Mobile Source
Substance Released: Gasoline
Description of Contaminant: Not reported
Date of Closure: Not reported
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

11

**NEVADA RECYCLING, INC.
5000 RANGE ROAD
LAS VEGAS, NV**

**SHWS S103877231
N/A**

SHWS:

Facility ID: H-001229
Responsible Party Name: Jackie Breese
Responsible Party Address: Not reported
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 15-Jan-97
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: Not reported
Substance Released: TPH
Description of Contaminant: Not reported
Date of Closure: 04-Aug-97
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

Facility ID: H-001229
Responsible Party Name: Jackie Breese
Responsible Party Address: Not reported
Activity Event Number: Not reported
Activity ID: 2
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 03-Jun-99
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: 990603-0001
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: Unknown
Substance Released: Unknown
Description of Contaminant: TPH (don't know type)
Date of Closure: Not reported
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

NEVADA RECYCLING, INC. (Continued)

S103877231

Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

**11 SILVER DOLLAR RECYCLING
5000 RANGE ROAD
LAS VEGAS, NV 89115**

**UST U003380457
N/A**

UST:

Facility ID:	8-001103	Tank ID:	1
Install Date:	01/01/1990	Tank Capacity:	4000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)		None
Pipe:	Galvanized Steel		None
Facility ID:	8-001103	Tank ID:	2
Install Date:	01/01/1990	Tank Capacity:	4000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)		None
Pipe:	Galvanized Steel		None

**12 FREDRICKSON TANK LINES
4915 NORTH SLOAN
LAS VEGAS, NV**

**SHWS S103877308
N/A**

SHWS:

Facility ID: H-001319
Responsible Party Name: Not reported
Responsible Party Address: Not reported
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 17-Sep-98
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: 980917-3064
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Not reported
Type of Container: Other
Substance Released: Gasoline
Description of Contaminant: Release to concrete (truck drove over fuel line)
Date of Closure: 23-Sep-98
Regulatory Type of Closure: Clean Close
Nevada Certified Manager Conducting Clean-up:
Name: Keith Stewart
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

**12 CHEVRON LAS VEGAS TERMINAL #1001744
4950 N SLOAN LN
LAS VEGAS, NV 89115**

**UST U003379628
N/A**

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

CHEVRON LAS VEGAS TERMINAL #1001744 (Continued)

U003379628

UST:

Facility ID:	8-000092	Tank ID:	1
Install Date:	01/01/1975	Tank Capacity:	500
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	8-000092	Tank ID:	2
Install Date:	01/01/1985	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	Double-Walled	
Facility ID:	8-000092	Tank ID:	3
Install Date:	1/1	Tank Capacity:	5000
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

12	4950 N. SLOAN LN. 4950 N. SLOAN LN. LAS VEGAS, NV 89115	ERNS	94373675 N/A
12	4950 N. SLOAN LN. 4950 N. SLOAN LN. LAS VEGAS, NV 89115	ERNS	94374015 N/A
13	4700 LAS VEGAS BLVD N. 4700 LAS VEGAS BLVD N. LAS VEGAS, NV	ERNS	96497689 N/A
14	ERA HELICOPTER 14505 MT ANDERSON DR RENO, NV 89506	RCRIS-SQG FINDS	1000159050 NVD982318826
	RCRIS: Owner: ERA HELICOPTER (702) 677-4200 Contact: BOB JESSER (702) 677-4200 Record Date: 06/18/1995 Classification: Conditionally Exempt Small Quantity Generator		

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ERA HELICOPTER (Continued)

1000159050

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

15

**INTERMEC MEDIA PRODUCTS WEST
4101 E LONE MOUNTAIN RD
NORTH LAS VEGAS, NV 89031**

**RCRIS-SQG 1000693411
FINDS NVD986773208**

RCRIS:

Owner: JIM AUERBACH
(800) 482-2630

Contact: Not reported

Record Date: 06/03/1999

Classification: Conditionally Exempt Small Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

15

**CHEVRON U S A MCCARREN AIRPORT
575 KITTYHAWK WAY
LAS VEGAS, NV 89111**

**FINDS 1000693439
RCRIS-LQG NVD986773570**

RCRIS:

Owner: CHEVRON U S A PRODUCTS CO
(310) 694-7452

Contact: MARK KANITRA
(310) 694-7452

Record Date: 04/21/1997

Classification: Large Quantity Generator

Used Oil Recyc: No

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	04/16/1997
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	05/01/1997
Actual Date Achieved Compliance:	06/10/1997

There are 1 violation record(s) reported at this site:

Evaluation
Non-Financial Record Review

Area of Violation
Generator-All Requirements

Date of Compliance
06/10/1997

Map ID
Direction
Distance
Distance (ft.) Site

MAP FINDINGS

EDR ID Number

Database(s) EPA ID Number

CHEVRON U S A MCCARREN AIRPORT (Continued)

1000693439

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

**16 UNIVERSAL URETHANE INC.
4201 E. LONE MOUNTAIN RD.
NORTH LAS VEGAS, NV 89030**

**TRIS 1003888507
89030NVRSL42**

**16 MOTOR CARGO FREIGHT FACILITY
4225 EAST LONE MOUNTAIN ROAD
NORTH LAS VEGAS, NV**

**LUST S103877987
N/A**

LUST:

Facility ID: 8-000412
Potential Responsible Party: Chad Heil
PRP Company: Motor Cargo Freight
PRP Address: Post Office Box 2351
Salt Lake City, UT 48110
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Reported to NDEP: 21-Jan-99
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: 990121-3285
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: UST
Substance Released: Diesel
Description of Contaminant: Not reported
Date of Closure: 25-Feb-99
Regulatory Type of Closure: NAC 459 A-K
Nevada Certified Manager Conducting Clean-up:
Company: Broadbent & Associates, Inc.
Company Name: Scott McNulty
Company Address: Not reported
Telephone: Not reported

**16 MOTOR CARGO INC
4225 E LONE MTN RD
N LAS VEGAS, NV 89030**

**RCRIS-SQG 1000340372
FINDS NVD981983851
UST**

RCRIS:

Owner: MOTOR CARGO INC
(415) 555-1212
Contact: ALBERT M WILLIAMS
(702) 644-2244

Record Date: 6/23/1993

Classification: Conditionally Exempt Small Quantity Generator

Map ID
Direction
Distance
Distance (ft.) Site

MAP FINDINGS

EDR ID Number

Database(s) EPA ID Number

MOTOR CARGO INC (Continued)

1000340372

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

UST:

Facility ID:	8-000412	Tank ID:	1
Install Date:	05/02/1981	Tank Capacity:	12000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Bare Steel	None	

Facility ID:	8-000412	Tank ID:	2
Install Date:	05/02/1981	Tank Capacity:	12000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Bare Steel	None	

16

**CENTRAL TELEPHONE
3436 ALDEBAREN
LAS VEGAS, NV 89102**

**RCRIS-SQG 1000419133
FINDS NVD981687544**

RCRIS:

Owner: JOHN SCHEWANICK
(415) 555-1212

Contact: RICHARD ALDERMAN
(702) 877-8360

Record Date: 06/19/1992
Classification: Small Quantity Generator
Used Oil Recyc: No

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	09/08/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	10/08/1993
Actual Date Achieved Compliance:	Not reported

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	09/08/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	10/08/1993
Actual Date Achieved Compliance:	Not reported

Regulation Violated:	Not reported
Area of Violation:	Generator-All Requirements
Date Violation Determined:	09/08/1993
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	10/08/1993
Actual Date Achieved Compliance:	Not reported

Map ID
Direction
Distance
Distance (ft.) Site

MAP FINDINGS

EDR ID Number

Database(s) EPA ID Number

CENTRAL TELEPHONE (Continued)

1000419133

There are 3 violation record(s) reported at this site:

Evaluation
Compliance Evaluation Inspection (CEI)

Area of Violation
Generator-All Requirements
Generator-All Requirements
Generator-All Requirements

Date of
Compliance

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

17

COACH USA
4020 E LONE MTN RD
NORTH LAS VEGAS, NV 89031

UST U003380693
N/A

UST:

Facility ID: 8-001492
Install Date: 04/01/1989
Tank Status: Currently in Use
Material:
Tank: Fiberglass Reinforced Plastic
Pipe: Fiberglass Reinforced Plastic

Tank ID: 1
Tank Capacity: 12000
Tank Substance: Diesel
Upgrades of Material:
None
None

Facility ID: 8-001492
Install Date: 04/01/1989
Tank Status: Currently in Use
Material:
Tank: Fiberglass Reinforced Plastic
Pipe: Fiberglass Reinforced Plastic

Tank ID: 2
Tank Capacity: 1200
Tank Substance: Used Oil
Upgrades of Material:
None
None

18

DRIVE A JUNK
4465 N LAS VEGAS BLVD
LAS VEGAS, NV 89115

RCRIS-SQG 1000429581
FINDS NVD095997474

RCRIS:

Owner: DON JAMES
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(702) 643-0075

Record Date: 09/24/1986
Classification: Small Quantity Generator
Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other pertinent environmental activity identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

19

IMMERSION DRY CLEANERS
4350 LAS VEGAS
LAS VEGAS, NV 89115

FINDS 1000218301
RCRIS-LQG NVD981640584

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

IMMERSION DRY CLEANERS (Continued)

1000218301

RCRIS:

Owner: BROWN R
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(702) 644-5944
Record Date: 04/21/1997
Classification: Large Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

19

7-ELEVEN #18198
4395 NORTH LAS VEGAS BOULEVARD
LAS VEGAS, NV

LUST S105173957
N/A

LUST:

Facility ID: 8-000598
Potential Responsible Party: Not reported
PRP Company: Not reported
PRP Address: Not reported
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Reported to NDEP: 25-Oct-00
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: UST
Substance Released: Gasoline
Description of Contaminant: Not reported
Date of Closure: Not reported
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Company: SECOR International Corporation
Company Name: Matt Grandjean
Company Address: Not reported
Telephone: Not reported

19

7-ELEVEN #18198
4395 LAS VEGAS BLVD NORTH
LAS VEGAS, NV 89110

UST U003380043
N/A

UST:

Facility ID:	8-000598	Tank ID:	1
Install Date:	04/16/1984	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		None
Pipe:	Fiberglass Reinforced Plastic		None

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

7-ELEVEN #18198 (Continued)

U003380043

Facility ID:	8-000598	Tank ID:	2
Install Date:	04/16/1984	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000598	Tank ID:	3
Install Date:	04/16/1984	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	

20

CONWAY EXPRESS
4721 EAKER STREET
NORTH LAS VEGAS, NV

SHWS S103877179
N/A

SHWS:

Facility ID:	H-001167
Responsible Party Name:	Not reported
Responsible Party Address:	Not reported
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	14-Aug-96
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Las Vegas
Type of Media Impacted:	Soil
Type of Container:	Not reported
Substance Released:	Other
Description of Contaminant:	Soap Solution
Date of Closure:	17-Sep-96
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported

Modification of the discrete activity:

21

4610 EAKER ST
LAS VEGAS, NV

HMIRS 2000071128
N/A

21

NIKKISO CRYO INCORPORATED
4661 EAKER STREET
NORTH LAS VEGAS, NV 89101

FINDS 1004261122
000010141778

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

NIKKISO CRYO INCORPORATED (Continued)

1004261122

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)

22

ANILOX ROLL CORP
4624 ANDREWS ST
N LAS VEGAS, NV 89031

RCRIS-SQG 1001222103
FINDS NVR000038190

RCRIS:

Owner: MICHAEL E FORAN
(704) 398-2266

Contact: JOHN HOOPINGARNER
(702) 644-1444

Record Date: 04/02/1998
Classification: Small Quantity Generator
Used Oil Recvc: No

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/11/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 04/27/1998
Actual Date Achieved Compliance: 05/05/1998

Enforcement Action: Written Informal
Enforcement Action Date: 03/11/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/11/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 04/27/1998
Actual Date Achieved Compliance: 05/04/1998

Enforcement Action: Written Informal
Enforcement Action Date: 03/11/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/11/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 04/27/1998
Actual Date Achieved Compliance: 05/04/1998

Enforcement Action: Written Informal
Enforcement Action Date: 03/11/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 03/11/1998
Priority of Violation: Low
Schedule Date to Achieve Compliance: 04/27/1998
Actual Date Achieved Compliance: 05/04/1998

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

ANILUX ROLL CORP (Continued)

1001222103

Enforcement Action: Written Informal
Enforcement Action Date: 03/11/1998
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported

There are 4 violation record(s) reported at this site:

Evaluation
Compliance Evaluation Inspection (CEI)

Area of Violation
Generator-All Requirements
Generator-All Requirements
Generator-All Requirements
Generator-All Requirements

Date of Compliance
05/05/1998
05/04/1998
05/04/1998
05/04/1998

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

**23 ROLLINS LEASING CORP--BRANCH 117A
4510 VANDENBURG DR
NORTH LAS VEGAS, NV 89031**

**UST U003696844
N/A**

UST:

Facility ID: 8-001944
Install Date: 06/01/1999
Tank Status: Currently In Use
Material:
Tank: Asphalt Coated or Bare Steel
Pipe: Bare Steel

Tank ID: 1
Tank Capacity: 20000
Tank Substance: Other
Upgrades of Material:
Double-Walled
None

Facility ID: 8-001944
Install Date: 06/01/1999
Tank Status: Currently In Use
Material:
Tank: Asphalt Coated or Bare Steel
Pipe: Fiberglass Reinforced Plastic

Tank ID: 2
Tank Capacity: 1000
Tank Substance: Other
Upgrades of Material:
Double-Walled
Double-Walled

Facility ID: 8-001944
Install Date: 06/01/1999
Tank Status: Currently In Use
Material:
Tank: Asphalt Coated or Bare Steel
Pipe: Bare Steel

Tank ID: 3
Tank Capacity: 500
Tank Substance: Other
Upgrades of Material:
Double-Walled
None

**24 HIGHWAY RENTALS UNITED RENTALS
4533 ANDREWS ST
LAS VEGAS, NV 89031**

**FINDS 1004189569
000009171038**

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

**25 SPRINT CENTRAL TELEPHONE
4243 NORTH LAS VEGAS BOULEVARD
NORTH LAS VEGAS, NV 89115**

**SHWS S103875782
N/A**

SHWS:

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

SPRINT CENTRAL TELEPHONE (Continued)

S103875782

Facility ID: 8-000078
Responsible Party Name: Not reported
Responsible Party Address: Not reported
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: Not reported
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported
Location of Paper File: CCHD: Las Vegas
Type of Media Impacted: Not reported
Type of Container: Not reported
Substance Released: Not reported
Description of Contaminant: Not reported
Date of Closure: 14-Dec-95
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

25 CENTRAL TELEPHONE COMPANY
4243 LAS VEGAS BLVD NORTH (NORTH 3)
LAS VEGAS, NV 89115

UST U003379614
N/A

UST:

Facility ID:	8-000078	Tank ID:	1
Install Date:	01/01/1967	Tank Capacity:	1000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

26 HENDERSON CITY HALL
240 WATER STREET
HENDERSON, NV 89015

RCRIS-CQG 1060100400
FINDS NVD982497950

RCRIS:

Owner: HENDERSON, CITY OF
(415) 555-1212
Contact: GARY BOWLING
(702) 565-2122
Record Date: 01/09/1992
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Facility Registry System (FRS)
Resource Conservation and Recovery Act Information system (RCRAINFO)

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

Database(s) EPA ID Number

27 4501 N LAMB BLVD
LAS VEGAS, NV HMIRS 95110937
N/A

27 ABF FREIGHT SYSTEM INC
4501 N LAMB BOULEVARD
NORTH LAS VEGAS, NV 89030 UST U003380836
N/A

UST:

Facility ID:	8-001670	Tank ID:	1
Install Date:	11/01/1994	Tank Capacity:	3000
Tank Status:	Currently In Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	Double-Walled	

Facility ID:	8-001670	Tank ID:	2
Install Date:	11/01/1994	Tank Capacity:	7000
Tank Status:	Currently In Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	Double-Walled	

28 SPECIALTY RECYCLING CORP
4475 ANDREWS ST
NORTH LAS VEGAS, NV 89031 FINDS 1000911796
RCRIS-LQG NV0000269191

RCRIS:

Owner: OMEGA RESOURCES
(213) 932-0607

Contact: JAMES HERBERT
(702) 649-5155

Record Date: 10/04/1996

Classification: Large Quantity Generator

Used Oil Recyc: No

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:

Facility Registry System (FRS)

Resource Conservation and Recovery Act Information system (RCRAINFO)

29 MAC'S CASINO & NEVADA CROSSING
1045 WENDOVER BLVD
WENDOVER, NV 89883 UST U001110815
N/A

UST:

Facility ID:	6-000073	Tank ID:	1
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

MAC'S CASINO & NEVADA CROSSING (Continued)

U001110815

Facility ID:	6-000073	Tank ID:	2
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	3
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	4
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	5
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	6
Install Date:	04/21/1981	Tank Capacity:	20000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	7
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	8
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	9
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Galvanized Steel	None	

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

MAC'S CASINO & NEVADA CROSSING (Continued)

U001110815

Facility ID:	6-000073	Tank ID:	10
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	
Facility ID:	6-000073	Tank ID:	11
Install Date:	04/21/1981	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Galvanized Steel	None	

30

**FASTWAY FOOD MART #202
4240 E CRAIG RD
NORTH LAS VEGAS, NV 89030**

**UST U003731474
N/A**

UST:

Facility ID:	8-001971	Tank ID:	1
Install Date:	10/30/1999	Tank Capacity:	15000
Tank Status:	Currently In Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Flexible Plastic	Secondary Containment	
Facility ID:	8-001971	Tank ID:	2
Install Date:	10/30/1999	Tank Capacity:	9000
Tank Status:	Currently In Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Flexible Plastic	Secondary Containment	
Facility ID:	8-001971	Tank ID:	3
Install Date:	10/30/1999	Tank Capacity:	5000
Tank Status:	Currently In Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Flexible Plastic	Secondary Containment	

31

**7-ELEVEN #32130
4728 W CRAIG RD
LAS VEGAS, NV 89125**

**UST U003380907
N/A**

UST:

Facility ID:	8-001777	Tank ID:	1
Install Date:	01/01/1996	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Polyethylene Tank Jacket	Double-Walled	
Pipe:	Flexible Plastic	Secondary Containment	

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

7-ELEVEN #32130 (Continued)

U003380907

Facility ID:	8-001777	Tank ID:	2
Install Date:	01/01/1996	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Polyethylene Tank Jacket	Double-Walled	
Pipe:	Flexible Plastic	Secondary Containment	
Facility ID:	8-001777	Tank ID:	3
Install Date:	01/01/1996	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Polyethylene Tank Jacket	Double-Walled	
Pipe:	Flexible Plastic	Secondary Containment	

32

FERRARI'S CAR WASH
4895 E CRAIG RD
LAS VEGAS, NV 89115

UST U003380923
N/A

UST:

Facility ID:	8-001795	Tank ID:	1
Install Date:	01/01/1985	Tank Capacity:	300
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Not Listed	None	
Pipe:	Unknown	None	
Facility ID:	8-001795	Tank ID:	2
Install Date:	01/01/1978	Tank Capacity:	8000
Tank Status:	Temporarily Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-001795	Tank ID:	3
Install Date:	01/01/1978	Tank Capacity:	8000
Tank Status:	Temporarily Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-001795	Tank ID:	4
Install Date:	01/01/1978	Tank Capacity:	8000
Tank Status:	Temporarily Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-001795	Tank ID:	5
Install Date:	01/01/1978	Tank Capacity:	6000
Tank Status:	Temporarily Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	None	

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

33 7-ELEVEN #24209
3901 EAST CRAIG STREET
NORTH LAS VEGAS, NV 89115

SHWS S103875973
N/A

SHWS:

Facility ID: 8-000589
Responsible Party Name: SOUTHLAND CORPORATION
Responsible Party Address: Kent, WA
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Release Reported to NDEP: 24-Mar-97
Petroleum Fund ID: 98-050
Emergency Mngmnt Tracking #: 970324-1891
Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: Not reported
Substance Released: Not reported
Description of Contaminant: Not reported
Date of Closure: 02-Sep-97
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Name: Not reported
Address: Not reported
Telephone: Not reported
Modification of the discrete activity:

33 7-ELEVEN #24209
3901 E CRAIG RD
NORTH LAS VEGAS, NV 89030

UST U003380034
N/A

UST:

Facility ID:	8-000589	Tank ID:	1
Install Date:	04/17/1983	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000589	Tank ID:	2
Install Date:	04/17/1983	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000589	Tank ID:	3
Install Date:	04/17/1983	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	

34 ARCO AM/PM #82070
4380 N LAMB BLVD
LAS VEGAS, NV 89115

UST U003731472
N/A

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

ARCO AM/PM #82070 (Continued)

U003731472

UST:

Facility ID:	8-001969	Tank ID:	1
Install Date:	12/06/1999	Tank Capacity:	20000
Tank Status:	Currently In Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	Double-Walled	
Facility ID:	8-001969	Tank ID:	2
Install Date:	12/06/1999	Tank Capacity:	10000
Tank Status:	Currently In Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	Double-Walled	
Facility ID:	8-001969	Tank ID:	3
Install Date:	12/06/1999	Tank Capacity:	12000
Tank Status:	Currently In Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)	Double-Walled	
Pipe:	Fiberglass Reinforced Plastic	Double-Walled	

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RADAR HILL, TONOPAH AS
4349 DUFFER DRIVE
NELLIS AFB, NV 89191

UST U003379545
N/A

UST:

Facility ID:	7-000767	Tank ID:	1
Install Date:	/ /	Tank Capacity:	300
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	7-000767	Tank ID:	2
Install Date:	/ /	Tank Capacity:	300
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	7-000767	Tank ID:	3
Install Date:	/ /	Tank Capacity:	600
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	7-000767	Tank ID:	4
Install Date:	/ /	Tank Capacity:	2000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

36 GAS N JET
4180 LAS VEGAS BLVD NORTH
LAS VEGAS, NV 89115

UST 1000960561
N/A

UST:

Facility ID:	8-001681	Tank ID:	1
Install Date:	01/01/1988	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		Double-Walled
Pipe:	Fiberglass Reinforced Plastic		Double-Walled
Facility ID:	8-001681	Tank ID:	2
Install Date:	01/01/1988	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		Double-Walled
Pipe:	Fiberglass Reinforced Plastic		Double-Walled
Facility ID:	8-001681	Tank ID:	3
Install Date:	01/01/1988	Tank Capacity:	12000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		Double-Walled
Pipe:	Fiberglass Reinforced Plastic		Double-Walled

37 USAF-NELLIS AFB - FAC #61647
4551 DEVLIN DR
NELLIS AFB, NV 89191

UST U003380567
N/A

UST:

Facility ID:	8-001344	Tank ID:	1
Install Date:	08/01/1992	Tank Capacity:	5000
Tank Status:	Currently in Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)		Double-Walled
Pipe:	No Piping		None
Facility ID:	8-001344	Tank ID:	2
Install Date:	08/01/1992	Tank Capacity:	5000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)		Double-Walled
Pipe:	No Piping		None
Facility ID:	8-001344	Tank ID:	3
Install Date:	08/01/1992	Tank Capacity:	5000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)		Double-Walled
Pipe:	No Piping		None
Facility ID:	8-001344	Tank ID:	4
Install Date:	08/01/1992	Tank Capacity:	5000
Tank Status:	Currently in Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Composite (Steel w/ FRP)		Double-Walled
Pipe:	No Piping		None

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

37 FACILITY #940
4551 DEVLIN DRIVE
NELLIS AFB, NV 89191

UST U003380286
N/A

UST:

Facility ID:	8-000887	Tank ID:	1
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	8-000887	Tank ID:	2
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	8-000887	Tank ID:	3
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	New Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	8-000887	Tank ID:	4
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

37 USAF - NELLIS AFB - FAC #890
4551 DEVLIN DR
NELLIS AFB, NV 89191

UST U003380270
N/A

UST:

Facility ID:	8-000871	Tank ID:	1
Install Date:	04/15/1985	Tank Capacity:	25000
Tank Status:	Currently in Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Bare Steel	Cathodically Protected	
Facility ID:	8-000871	Tank ID:	2
Install Date:	04/15/1985	Tank Capacity:	6000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Bare Steel	Cathodically Protected	
Facility ID:	8-000871	Tank ID:	3
Install Date:	04/15/1985	Tank Capacity:	25000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	None	
Pipe:	Bare Steel	Cathodically Protected	

MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.) Site	Database(s)	EPA ID Number	EDR ID Number
37			USAF -NELLIS AFB- FAC #10322 4551 DEVLIN DR NELLIS AFB, NV 89191 UST: Facility ID: 8-000885 Install Date: 03/01/1981 Tank Status: Currently in Use Material: Tank: Fiberglass Reinforced Plastic Pipe: Fiberglass Reinforced Plastic Tank ID: 1 Tank Capacity: 6000 Tank Substance: Gasoline Upgrades of Material: None Double-Walled	UST	U003380284	N/A
37			FACILITY #2000 4551 DEVLIN DRIVE NELLIS AFB, NV 89191 UST: Facility ID: 8-000889 Install Date: 04/15/1946 Tank Status: Permanently Out of Use Material: Tank: Asphalt Coated or Bare Steel Pipe: Bare Steel Tank ID: 1 Tank Capacity: 12000 Tank Substance: New Oil Upgrades of Material: None None	UST	U003380288	N/A
37			FACILITY #2060 4551 DEVLIN DRIVE NELLIS AFB, NV 89191 UST: Facility ID: 8-000866 Install Date: 04/01/1971 Tank Status: Permanently Out of Use Material: Tank: Asphalt Coated or Bare Steel Pipe: Bare Steel Tank ID: 1 Tank Capacity: 500 Tank Substance: Diesel Upgrades of Material: None None	UST	U003380265	N/A
37			NELLIS AFB 4551 DEVLIN DR NELLIS AFB, NV 89191 UST: Facility ID: 8-001818 Install Date: 01/01/1985 Tank Status: Permanently Out of Use Material: Tank: Asphalt Coated or Bare Steel Pipe: Bare Steel Tank ID: 1 Tank Capacity: 550 Tank Substance: Used Oil Upgrades of Material: None None	UST	U003762707	N/A
37			FACILITY #831 4551 DEVLIN DRIVE NELLIS AFB, NV 89191 UST: Facility ID: 8-000873 Install Date: 04/15/1961 Tank Status: Permanently Out of Use Material: Tank: Asphalt Coated or Bare Steel Pipe: Bare Steel Tank ID: 1 Tank Capacity: 550 Tank Substance: Diesel Upgrades of Material: None Cathodically Protected	UST	U003380272	N/A

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FACILITY #831 (Continued)

U003380272

Facility ID:	8-000873	Tank ID:	2
Install Date:	01/01/1984	Tank Capacity:	500
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

37

FACILITY #490
4551 DEVLIN DRIVE
NELLIS AFB, NV 89191

UST U003380291
N/A

UST:

Facility ID:	8-000892	Tank ID:	1
Install Date:	04/16/1951	Tank Capacity:	500
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

37

FACILITY 606
4551 DEVLIN DRIVE
NELLIS AFB, NV 89191

UST U003380911
N/A

UST:

Facility ID:	8-001783	Tank ID:	1
Install Date:	/ /	Tank Capacity:	500
Tank Status:	Permanently Out of Use	Tank Substance:	Used Oil
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	8-001783	Tank ID:	2
Install Date:	/ /	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	8-001783	Tank ID:	3
Install Date:	/ /	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	
Facility ID:	8-001783	Tank ID:	4
Install Date:	/ /	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FACILITY 606 (Continued)

U003380911

Facility ID:	8-001783	Tank ID:	5
Install Date:	/ /	Tank Capacity:	10000
Tank Status:	Permanently Out of Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

37

**FACILITY #460
4551 DEVLIN DRIVE
NELLIS AFB, NV 89191**

UST **U003380271**
N/A

UST:

Facility ID:	8-000872	Tank ID:	1
Install Date:	04/15/1961	Tank Capacity:	1000
Tank Status:	Permanently Out of Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Unknown	None	

Facility ID:	8-000872	Tank ID:	2
Install Date:	01/01/1981	Tank Capacity:	1000
Tank Status:	Permanently Out of Use	Tank Substance:	Other
Material:		Upgrades of Material:	
Tank:	Concrete	None	
Pipe:	Bare Steel	None	

37

**NELLIS AFB LANDFILL #4 (NEW FA
4551 DEVLIN DRIVE
NELLIS AFB, NV**

SWF/LF **S104816074**
N/A

LF:

Status:	Open	Date Closed:	10/09/93
Legal Descriptn:	T19S R62E Sec.25	Population:	1192200
Class Type:	III	Owner Type:	Government
Disposal Rate:	0 (Tons/Day)	Permitted:	True
Operator:	Not reported		
UTM North:	Not reported	UTM East:	0
Contact:	Eloisa Hopper, Dir. Env. Mgt. 652-3351 4551 Devlin Dr., Nellis AFB, NV 89191		

37

**FACILITY #939
4551 DEVLIN DRIVE
NELLIS AFB, NV 89191**

UST **U003380263**
N/A

UST:

Facility ID:	8-000864	Tank ID:	1
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	None	
Pipe:	Bare Steel	None	

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

FACILITY #939 (Continued)

U003380263

Facility ID:	8-000864	Tank ID:	2
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	3
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	4
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	5
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	
Facility ID:	8-000864	Tank ID:	6
Install Date:	04/15/1946	Tank Capacity:	25000
Tank Status:	Permanently Out of Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Asphalt Coated or Bare Steel	Lined Interior	
Pipe:	Bare Steel	None	

37

USAF-NELLIS AFB- FAC #941
4551 DEVLIN DR
NELLIS AFB, NV 89191

UST U003380282
N/A

UST:

Facility ID:	8-000883	Tank ID:	1
Install Date:	01/01/1951	Tank Capacity:	50000
Tank Status:	Currently in Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	Lined Interior	
Pipe:	Bare Steel	Cathodically Protected	
Facility ID:	8-000883	Tank ID:	2
Install Date:	01/01/1951	Tank Capacity:	50000
Tank Status:	Currently in Use	Tank Substance:	Kerosene
Material:		Upgrades of Material:	
Tank:	Cathodically Protected Steel	Lined Interior	
Pipe:	Bare Steel	Cathodically Protected	

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.) Site		Database(s) EPA ID Number

USAF-NELLIS AFB- FAC #941 (Continued)
U003380282

Facility ID: 8-000883	Tank ID: 3
Install Date: 01/01/1951	Tank Capacity: 50000
Tank Status: Currently in Use	Tank Substance: Kerosene
Material:	Upgrades of Material:
Tank: Cathodically Protected Steel	Lined Interior
Pipe: Bare Steel	Cathodically Protected

37 **NELLIS AIR FORCE BASE**
4551 DEVLIN DRIVE
LAS VEGAS, NV 89191

SHWS S103876935
N/A

SHWS:

Facility ID:	H-000484
Responsible Party Name:	Not reported
Responsible Party Address:	Not reported
Activity Event Number:	Not reported
Activity ID:	1
Type of Activity:	Confirmed Release
Date Release Reported to NDEP:	Not reported
Petroleum Fund ID:	Not reported
Emergency Mngmnt Tracking #:	Not reported
Location of Paper File:	NDEP: Las Vegas
Type of Media Impacted:	Not reported
Type of Container:	Not reported
Substance Released:	Not reported
Description of Contaminant:	Not reported
Date of Closure:	Not reported
Regulatory Type of Closure:	Not reported
Nevada Certified Manager Conducting Clean-up:	
Name:	Not reported
Address:	Not reported
Telephone:	Not reported
Modification of the discrete activity:	

37 **FACILITY 814**
4551 DEVLIN DRIVE
NELLIS AFB, NV 89191

UST U003380910
N/A

UST:

Facility ID: 8-001782	Tank ID: 1
Install Date: / /	Tank Capacity: 750
Tank Status: Permanently Out of Use	Tank Substance: Other
Material:	Upgrades of Material:
Tank: Asphalt Coated or Bare Steel	None
Pipe: Bare Steel	None

37 **4551 DEVLIN DR**
4551 DEVLIN DR
NELLIS AFB, NV 89191

ERNS 94393139
N/A

37 **USAF- NELLIS AFB- FAC #2814**
4551 DEVLIN DR
NELLIS AFB, NV 89191

UST U003380274
N/A

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

USAF- NELLIS AFB- FAC #2814 (Continued)

U003380274

UST:

Facility ID:	8-000875	Tank ID:	1
Install Date:	01/01/1986	Tank Capacity:	2000
Tank Status:	Currently in Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		None
Pipe:	No Piping		None

37	4551 DEVLIN DRIVE, BUILDING 8H ON BASE 4551 DEVLIN DRIVE, BUILDING 8H ON BASE NELLIS, NV	ERNS	94397427 N/A
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37	4551 DEVLIN DR E SIDE OF RUNWAY 4551 DEVLIN DR E SIDE OF RUNWAY NELLIS AFB, NV 89191	ERNS	94400661 N/A
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38	4203 PARAMOUNT STREET 4203 PARAMOUNT STREET LAS VEGAS, NV	ERNS	93339800 N/A
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39	3781 LAS VEGAS BLVD. 3781 LAS VEGAS BLVD. LAS VEGAS, NV -	ERNS	92297763 N/A
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40	SAME AS 8000353 3735 N NELLIS BLVD LAS VEGAS, NV 89115	UST	U003380796 N/A
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UST:

Facility ID:	8-001616	Tank ID:	0
Install Date:	/ /	Tank Capacity:	0
Tank Status:	Not reported	Tank Substance:	Not reported
Material:		Upgrades of Material:	
Tank:	Not reported		Not reported
Pipe:	Not reported		Not reported

40	NEW NELLIS THRIFTY MART 3735 N NELLIS BLVD LAS VEGAS, NV 89115	UST	U003379838 N/A
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UST:

Facility ID:	8-000353	Tank ID:	1
Install Date:	01/24/1984	Tank Capacity:	12000
Tank Status:	Currently In Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		None
Pipe:	Fiberglass Reinforced Plastic		None

Map ID
Direction
Distance
Distance (ft.)Site

MAP FINDINGS

EDR ID Number

Database(s) EPA ID Number

NEW NELLIS THRIFTY MART (Continued)

U003379838

Facility ID:	8-000353	Tank ID:	2
Install Date:	01/24/1984	Tank Capacity:	12000
Tank Status:	Currently In Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	
Facility ID:	8-000353	Tank ID:	3
Install Date:	01/24/1984	Tank Capacity:	12000
Tank Status:	Currently In Use	Tank Substance:	Diesel
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic	None	
Pipe:	Fiberglass Reinforced Plastic	None	

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USAF NELLIS RANGE COMPLEX
3770 DUFFER DR
NELLIS AFB, NV 89191

RCRIS-LQG 1000882036
NV5570024112

RCRIS:

Owner: U S AIR FORCE
(702) 652-5370

Contact: MICHAEL F FUKEY
(702) 652-4123

Record Date: 10/22/1998

Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1999

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	777.00	D002	319.00
D003	43.00	D005	366.00
D006	430.00	D007	385.00
D008	532.00	D009	461.00
D010	150.00	D018	260.00
D035	212.00	D039	94.00
D040	69.00	F003	25.00
F005	29.00	P042	0.00
U011	3.00	U151	1.00
U248	0.00	U411	1.00

Used Oil Recyc: No

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	04/27/1988
Priority of Violation:	Low
Schedule Date to Achieve Compliance:	07/18/1988
Actual Date Achieved Compliance:	04/25/1989
Enforcement Action:	Written Informal
Enforcement Action Date:	07/18/1988
Proposed Monetary Penalty:	Not reported
Final Monetary Penalty:	Not reported

Regulation Violated:	Not reported
Area of Violation:	TSD-Other Requirements
Date Violation Determined:	05/14/1987
Priority of Violation:	Low

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)Site
Database(s)
EDR ID Number
EPA ID Number

USAF NELLIS RANGE COMPLEX (Continued)

1000882036

Schedule Date to Achieve Compliance: 06/14/1987
Actual Date Achieved Compliance: 04/27/1988
Enforcement Action: Written Informal
Enforcement Action Date: 05/14/1987
Proposed Monetary Penalty: Not reported
Final Monetary Penalty: Not reported
Regulation Violated: Not reported
Area of Violation: Generator-All Requirements
Date Violation Determined: 07/18/1991
Priority of Violation: Low
Schedule Date to Achieve Compliance: 08/15/1991
Actual Date Achieved Compliance: 08/15/1991

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	02/15/1988
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	04/25/1989
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	04/27/1988

42 FAST 1 HOUR FOTO INC
700 S BOULDER HWY C 5
HENDERSON, NV 89105

RCRIS-SQG 1000390782
FINDS NVD982490831

RCRIS:
Owner: FAST FOTO INC
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(602) 840-3366
Record Date: 05/24/1990
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system (RCRAINFO)

43 7-ELEVEN #15449
3589 NORTH NELLIS BOULEVARD
LAS VEGAS, NV

LUST S105173962
N/A

LUST:
Facility ID: 8-000596
Potential Responsible Party: Bob DeNinno
PRP Company: Not reported
PRP Address: 10220 SW Greenburg Road, Suite
Portland, OR 97223
Activity Event Number: Not reported
Activity ID: 1
Type of Activity: Confirmed Release
Date Reported to NDEP: 10-Dec-01
Petroleum Fund ID: Not reported
Emergency Mngmnt Tracking #: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.) Site

EDR ID Number

Database(s) EPA ID Number

7-ELEVEN #15449 (Continued)

S105173962

Location of Paper File: NDEP: Las Vegas
Type of Media Impacted: Soil
Type of Container: UST
Substance Released: Gasoline
Description of Contaminant: Not reported
Date of Closure: Not reported
Regulatory Type of Closure: Not reported
Nevada Certified Manager Conducting Clean-up:
Company: SECOR International Incorporated
Company Name: Not reported
Company Address: Not reported
Telephone: 702-798-3911

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7-ELEVEN #15449
3589 N NELLIS BLVD
LAS VEGAS, NV 89115

UST U003380041
N/A

UST:

Facility ID:	8-000596	Tank ID:	1
Install Date:	04/16/1985	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		None
Pipe:	Fiberglass Reinforced Plastic		None
Facility ID:	8-000596	Tank ID:	2
Install Date:	04/16/1985	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		None
Pipe:	Fiberglass Reinforced Plastic		None
Facility ID:	8-000596	Tank ID:	3
Install Date:	04/16/1985	Tank Capacity:	10000
Tank Status:	Currently in Use	Tank Substance:	Gasoline
Material:		Upgrades of Material:	
Tank:	Fiberglass Reinforced Plastic		None
Pipe:	Fiberglass Reinforced Plastic		None

ORPHAN SUMMARY

City	ED & ID	Site Name	Site Address	Zip	Database(s)	Facility ID
CLARK COUNTY	S103877268	BEKINS VAN LINES	INTERSTATE 15		SHWS	
CLARK COUNTY	S103877284	WERNER ENTERPRISES SPILL	INTERSTATE 15		SHWS	
CLARK COUNTY	S103877312	SIERRA RANCH TRUCK SPILL	INTERSTATE 15 (8.5 MILES N OF		SHWS	
CLARK COUNTY	S103877084	DONCO CARRIERS	INTERSTATE 15 NEAR UTE EXIT		SHWS	
CLARK COUNTY	S103877114	LYNN TRANSPORTATION	INTERSTATE 15 NEAR MILE MARKER		SHWS	
CLARK COUNTY	S103877205	QUE WEST TRANSPORT	INTERSTATE 15 @ MILE MARKER 24		SHWS	
CLARK COUNTY	S104179061	INTERPOINT TRANSPORTATION, NC	INTERSTATE 15 @ APEX EXIT (#34		SHWS	
CLARK COUNTY	S104179090	FNF CONSTRUCTION	INTERSTATE 15 @ MILE MARKER 44		SHWS	
CLARK COUNTY	S103877178	COOL TRANSPORTS	HIGHWAY 93 BOULDER CITY		SHWS	
CLARK COUNTY	S103877269	AMERICAN SAFETY INSTITUTE	I-95 AND 93 (KYLE CANYON RD)		SHWS	
CLARK COUNTY	S103877212	NEVADA CO-GENERATION	APEX SITE		SHWS	
CLARK COUNTY	S103877068	NELLIS AIR FORCE BASE	AREA 2, TANK 10-116		SHWS	
CLARK COUNTY	S103877091	INDIAN SPRINGS AIR FORCE BASE	BOX CANYON		SHWS	
CLARK COUNTY	S104179075	NELLIS AIR FORCE BASE	BUILDING #415		SHWS	
CLARK COUNTY	S103877416	NELLIS AIR FORCE BASE	CAMP COBRA - AREA 2		SHWS	
CLARK COUNTY	S103877116	SOUTHERN CALIFORNIA EDISON COM	EL DORADO SUBSTATION		SHWS	
CLARK COUNTY	S103877126	MCCULLOUGH SWITCHING STATION	ELDORADO VALLEY, 15 MILES S W		SHWS	
CLARK COUNTY	S103877305	TRUCK SPILL	LAKE MEAD BOULEVARD NEAR GOLDA		SHWS	
CLARK COUNTY	S103877185	BLM LONE MOUNTAIN GRAVEL P T	LONE MOUNTAIN		SHWS	
CLARK COUNTY	S104179065	NELLIS AIR FORCE BASE	60 MILES EAST OF TONOPAH		SHWS	
CLARK COUNTY	S104179096	BLM (UNKNOWN DUMPING)	NEXT TO NELLIS AIR FORCE BASE		SHWS	
CLARK COUNTY	S103877161	U.S. BUREAU OF LAND MANAGEMENT	PUBLIC LANDS		SHWS	
CLARK COUNTY	S103877168	NELLIS AIR FORCE BASE	REVEGETATION AREAS		SHWS	
CLARK COUNTY	S104916099	LEE CANYON FIRE STATION	STATE ROUTE 156		SHWS	
LAS VEGAS	S103876918	NELLIS AIR FORCE BASE	#10207, #10236, #10250	89191	SHWS	
LAS VEGAS	S103876894	NELLIS AIR FORCE BASE	#1024	89191	SHWS	
LAS VEGAS	S103876895	NELLIS AIR FORCE BASE	#1100	89191	SHWS	
LAS VEGAS	S103876896	NELLIS AIR FORCE BASE	#1110	89191	SHWS	
LAS VEGAS	S103876897	NELLIS AIR FORCE BASE	#1602	89191	SHWS	
LAS VEGAS	S103876898	NELLIS AIR FORCE BASE	#1709	89191	SHWS	
LAS VEGAS	S103876899	NELLIS AIR FORCE BASE	#1730	89191	SHWS	
LAS VEGAS	S103876892	NELLIS AIR FORCE BASE	#1745	89191	SHWS	
LAS VEGAS	S103876901	NELLIS AIR FORCE BASE	#201	89191	SHWS	
LAS VEGAS	S103876091	NELLIS AIR FORCE BASE	#216	89191	SHWS	
LAS VEGAS	S103876870	NELLIS AIR FORCE BASE - INDI	#2275	89191	SHWS	
LAS VEGAS	S103876904	NELLIS AIR FORCE BASE	#523	89191	SHWS	
LAS VEGAS	S103876905	NELLIS AIR FORCE BASE	#589	89191	SHWS	
LAS VEGAS	S103876889	NELLIS AIR FORCE BASE	#606A, #606B, #606C	89191	SHWS	
LAS VEGAS	S103876890	NELLIS AIR FORCE BASE	#620	89191	SHWS	
LAS VEGAS	S103876883	NELLIS AIR FORCE BASE - INDI	#635A	89191	SHWS	
LAS VEGAS	S103876891	NELLIS AIR FORCE BASE	#709	89191	SHWS	
LAS VEGAS	S103876868	NELLIS AIR FORCE BASE - INDI	#71	89191	SHWS	
LAS VEGAS	S103876916	NELLIS AIR FORCE BASE	#745	89191	SHWS	

ORPHAN SUMMARY

City	ED & ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	S1 3876893	NELLIS AIR FORCE BASE	#839	89191	SHWS	
LAS VEGAS	S1 3876871	NELLIS AIR FORCE BASE - INDI	#85	89191	SHWS	
LAS VEGAS	S1 4916110	ROYAL EXPRESS, INC.	INTERSTATE 15 @ U.S. HIGHWAY 9		SHWS	
LAS VEGAS	S1 4916113	FREDRICKSEN TANK LINES SPILL	INTERSTATE 15 @ SAHARA AVENUE		SHWS	
LAS VEGAS	S1 4916114	WESTERN TRANSPORT SPILL	INTERSTATE 15 @ U.S. HIGHWAY 9		SHWS	
LAS VEGAS	S1 4535007	WILLS TRANSPORTATION	INTERSTATE 15 @ MILE MARKER 28		SHWS	
LAS VEGAS	S1 3876980	SPRING MOUNTAIN INTERCHANGE	INTERSTATE 15 AND SPRING MOUNTAIN		SHWS	
LAS VEGAS	S103877073	WERNER ENTERPRISES	INTERSTATE 15 NEAR BOOMTOWN CA		SHWS	
LAS VEGAS	S103877087	PAN WESTERN CORPORATION	INTERSTATE 15		SHWS	
LAS VEGAS	S1 3877143	KNIGHT TRANSPORTATION	INTERSTATE 15 @ MILE MARKER 6		SHWS	
LAS VEGAS	S103877180	CELADON TRUCKING SERVICES	INTERSTATE 15 @ MILE MARKER 28		SHWS	
LAS VEGAS	S103877193	LAS VEGAS SPEEDWAY	INTERSTATE 15 @ LAS VEGAS BOUL		SHWS	
LAS VEGAS	S103877260	PROSCURCE DISTRIBUTION	INTERSTATE 15 @ MILE MARKER 54		SHWS	
LAS VEGAS	S103877262	INTERMOUNTAIN RIGGING	INTERSTATE 15 @ LAKE MEAD BOUL		SHWS	
LAS VEGAS	S1 3877291	APEX LANDFILL	INTERSTATE 15 AND HIGHWAY 93		SHWS, LUST	H-001302
LAS VEGAS	S1 3877394	MCCULLEY TRUCKING ACCIDENT	INTERSTATE 15 @ TROPICANA AVENUE		SHWS	
LAS VEGAS	S1 4179062	BEST ROCK	INTERSTATE 15 @ EXIT 215		SHWS	
LAS VEGAS	S1 4179064	FRANCISCO MADNGL TRUCKING	INTERSTATE 15 @ O STREET		SHWS	
LAS VEGAS	S1 4179069	A. GALLEGOS TRUCKING	INTERSTATE 15 @ CHARLESTON BOUL		SHWS	
LAS VEGAS	S1 4179116	MILLER BROTHERS EXPRESS ACCIDENT	INTERSTATE 15 @ WASHINGTON AVE		SHWS	
LAS VEGAS	S1 4736152	PARKE COX TRUCKING	INTERSTATE 15 @ MILE MARKER 11		SHWS	
LAS VEGAS	S1 4736156	WERNER TRUCKING	INTERSTATE 15 @ MILE MARKER 55		SHWS	
LAS VEGAS	S1 3877145	UNITED PARCEL SERVICE	INTERSTATE 15, 1/2 MILE S OF I-15		SHWS	
LAS VEGAS	S1 4736162	CORE MARK TRUCKING ACCIDENT	HIGHWAY 160 @ MILE MARKER 3		SHWS	
LAS VEGAS	S1 4535024	USF BESTWAY TRUCKING COMPANY	INTERSTATE 215 @ WARM SPRINGS		SHWS	
LAS VEGAS	S1 3877417	VEHICLE ACCIDENT	HIGHWAY 215 (SUNSET/WARM SPRINGS)		SHWS	
LAS VEGAS	S1 4395307	D. HILL TRUCKING	INTERSTATE 80 AT RUSSELL EIGHT		SHWS	
LAS VEGAS	S1 4179115	SWIFT TRANSPORTATION ACCIDENT	INTERSTATE 80 @ WASHINGTON AVE		SHWS	
LAS VEGAS	S1 3877082	GORDIN TRUCKING	INTERSTATE 93 @ MILE MARKER 67		SHWS	
LAS VEGAS	S1 3876844	LONE MOUNTAIN	INTERSTATE 95		SHWS	
LAS VEGAS	92 56595	ALL EIGHT LOCATIONS IN THE GREATER LAS VEGAS AREA	ALL EIGHT LOCATIONS IN THE GREATER LAS VEGAS AREA		ERNS	
LAS VEGAS	S1 5114704	CITY OF LAS VEGAS	ALLEY BETWEEN 302/304 CARSON ST		SHWS	
LAS VEGAS	S1 3877199	C&W ENTERPRISES	ALTA DRIVE AND HUALPAI		SHWS	
LAS VEGAS	S1 3877246	MEADOWS DETENTION BASIN PROJECT	ALTA/DECATUR STORM DRAIN		SHWS	
LAS VEGAS	S1 3876827	TRUCK SPILL	H AND OWENS STREET		SHWS	
LAS VEGAS	S1 3877250	NEVADA READY MIX	I-95 AND LONE MOUNTAIN ROAD		SHWS	
LAS VEGAS	S1 3877304	LEAKING TRANSFORMERS	712 AND 804 DELORES DRIVE		SHWS	
LAS VEGAS	S1 3877402	MAIN GORMAN & COMPANY	6TH AND GASS (NW CORNER)		SHWS	
LAS VEGAS	S1 3875840	CHEMSTAR LIME COMPANY	APEX		SHWS	
LAS VEGAS	S1 3877027	DESERT MOUNTAIN OIL (FORMER SITE)	ARDEN		SHWS	
LAS VEGAS	S1 3877028	KEPIC PROPERTY	ARDEN		SHWS	
LAS VEGAS	S1 3877029	JAKE'S CRANE AND RIGGING	ARDEN		SHWS	
LAS VEGAS	S1 3877040	DESERT MOUNTAIN OIL (PRESENT SITE)	ARDEN		SHWS	
LAS VEGAS	94 47446	AREA 27, REECO SITE MAINTENANCE YARD, CONCRETE STORAGE AREA	AREA 27, REECO SITE MAINTENANCE YARD, CONCRETE STORAGE AREA		ERNS	
LAS VEGAS	94 46565	AREA 25, BLDG 25-3102	AREA 25, BLDG 25-3102		ERNS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	94363512	AREA 23 SALVAGE YARD.	AREA 23 SALVAGE YARD.		ERNS	
LAS VEGAS	94363507	AREA 23 SALVAGE YARD.	AREA 23 SALVAGE YARD.		ERNS	
LAS VEGAS	93549469	AREA G, HELICOPTER PAD, NEVADA TEST SITE	AREA G, HELICOPTER PAD, NEVADA TEST SITE		ERNS	
LAS VEGAS	S103876216	NELLIS AIR FORCE BASE	AREA 2, TANK 10-322	89191	SHWS, LUST	H-000424
LAS VEGAS	S103877150	TROPICANA DETENTION BASIN	ARVILLE AND OQUENDO STREETS		SHWS	
LAS VEGAS	S104179085	D. I. ARTERIAL	BETWEEN SWENSON AND PARADISE		SHWS	
LAS VEGAS	S103876858	PABCO GYPSUM MINE	BLACK MOUNTAIN AREA	89115	SHWS	
LAS VEGAS	S103877285	YMCA	5800 BLOCK EMERALD		SHWS	
LAS VEGAS	S103876941	NELLIS AIR FORCE BASE	BOMBER REVETMENT	89191	SHWS	
LAS VEGAS	S103877261	VISION TRANSPORTATION	BONANZA ROAD AND PECOS ROAD		SHWS	
LAS VEGAS	S103877315	VANDY'S TRANSFER INC. (SPILL)	EAST BOUND SUMMERLIN PR		SHWS	
LAS VEGAS	S103877945	NELLIS AIR FORCE BASE/AREA II	BUILDING #10413	89191	LUST	H-000408
LAS VEGAS	S103877944	NELLIS AIR FORCE BASE/AREA II	BUILDING #10116	89191	LUST	H-000407
LAS VEGAS	S103876238	NELLIS AIR FORCE BASE	BUILDING #606	89191	SHWS	
LAS VEGAS	S103876864	NELLIS AIR FORCE BASE	BUILDING #567	89191	SHWS	
LAS VEGAS	S103876867	NELLIS AIR FORCE BASE	BUILDING #2354	89191	SHWS	
LAS VEGAS	S103876869	NELLIS AIR FORCE BASE - INDI	BUILDING #650	89191	SHWS	
LAS VEGAS	S103876877	NELLIS AIR FORCE BASE - FEDE	BUILDING #10237	89191	SHWS	
LAS VEGAS	S103876878	NELLIS AIR FORCE BASE	BUILDING #10207	89191	SHWS	
LAS VEGAS	S103876880	NELLIS AIR FORCE BASE	BUILDING #10403	89191	SHWS	
LAS VEGAS	S103876881	NELLIS AIR FORCE BASE	BUILDING #10405	89191	SHWS	
LAS VEGAS	S103876882	NELLIS AIR FORCE BASE	BUILDING #10414	89191	SHWS	
LAS VEGAS	S103876886	NELLIS AIR FORCE BASE	BUILDING #10107	89191	SHWS	
LAS VEGAS	S103876887	NELLIS AIR FORCE BASE	BUILDING #10112	89191	SHWS	
LAS VEGAS	S103876900	NELLIS AIR FORCE BASE	BUILDING #196 AND #200	89191	SHWS	
LAS VEGAS	S103876902	NELLIS AIR FORCE BASE	BUILDING #275	89191	SHWS	
LAS VEGAS	S103876919	NELLIS AIR FORCE BASE - INDI	BUILDING #229	89191	SHWS	
LAS VEGAS	S103876920	NELLIS AIR FORCE BASE - INDI	BUILDING #650	89191	SHWS	
LAS VEGAS	S103876937	NELLIS AIR FORCE BASE	BUILDING #775	89191	SHWS	
LAS VEGAS	S103876938	NELLIS AIR FORCE BASE	BUILDING #2352	89191	SHWS	
LAS VEGAS	S103876940	NELLIS AIR FORCE BASE	BUILDING #715	89191	SHWS	
LAS VEGAS	S103877251	NELLIS AIR FORCE BASE	BUILDING #941 STORAGE YARD	89191	SHWS	
LAS VEGAS	S104179076	NELLIS AIR FORCE BASE	BUILDING #10108	89191	SHWS	
LAS VEGAS	S104916062	NELLIS AIR FORCE BASE	BUILDING 10130/10132/10133	89191	SHWS, LUST	H-000421
LAS VEGAS	S104916077	NELLIS AIR FORCE BASE	BUILDING #10120/10121	89191	SHWS, LUST	H-000419
LAS VEGAS	S103877234	NELLIS AIR FORCE BASE	BUILDING #229		SHWS	
LAS VEGAS	S103876823	LAS VEGAS GUN CLUB	BURRO ROAD		SHWS	
LAS VEGAS	S103877124	OMEGA RECYCLING	CALIFORNIA AND NEVADA		SHWS	
LAS VEGAS	101028219	G AND O TRANSPORTATION	5225 EL CAMPO GRANDE STE C	89115	RCRIS-SQG, FINDS	
LAS VEGAS	S103877051	GAUDIN FORD/FIRST COMMERCIAL	CHARLESTON AND LAS VEGAS BLVD.		SHWS	
LAS VEGAS	S103877098	FREDRICKSON TANK LINES, INC.	EAST CHARLESTON/U.S. HIGHWAY		SHWS	
LAS VEGAS	S103877209	NEVADA POWER COMPANY	CLARK STATION		SHWS	
LAS VEGAS	S103877022	IDEAL STAPLE COMPANY	SW CORNER OF HIGHLAND AND CAPE		SHWS	
LAS VEGAS	S103877038	POLARIS AND PONDEROSA	CORNER OF POLARIS AND PONDEROSA		SHWS	
LAS VEGAS	S103877103	NEVADA DEPARTMENT OF TRANSPORT	NW CORNER FLAMINGO AND EASTERN		SHWS	
LAS VEGAS	S103877130	BRESLIN BUILDERS	NW CORNER OF SUNSET AND POLARIS		SHWS	
LAS VEGAS	S103877141	LAS VEGAS PAVING	CORNER DURANGO AND CHEYENNE		SHWS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	S103877245	NEVADA DEPARTMENT OF TRANSPORT	NW CORNER OF FLAMINGO/EASTERN		SHWS	
LAS VEGAS	S103877271	COLEMAN PROPERTY	NW CORNER FLAMINGO/PARADISE		SHWS	
LAS VEGAS	S103877316	ALLIED UNDERGROUND ACCIDENT	DECATUR BOULEVARD AND RUSSELL		SHWS	
LAS VEGAS	S104736157	HOME DEPOT PROPERTY	DECATUR BOULEVARD NORTH OF TRO		SHWS	
LAS VEGAS	S104235277	SILVER STATE DISPOSAL	DEER CREEK ROAD		SHWS	
LAS VEGAS	S103877054	DESERT INN UNDERPASS	DESERT INN BETWEEN SWENSON AND		SHWS	
LAS VEGAS	S103877248	NEVADA DEPARTMENT OF TRANSPORT	EAST DESERT INN @ BOULDER HIGH		SHWS	
LAS VEGAS	S104179094	TISH CASTLE, INC.	DESERT INN RD AND LAS VEGAS		SHWS	
LAS VEGAS	S106173967	WESTECH BUSINESS CENTER	DEWEY DRIVE / DECATUR BOULEVAR		SHWS	
LAS VEGAS	S103876830	DIABLO ASSOCIATES	DIABLO DRIVE AND LAS VEGAS BOU		SHWS	
LAS VEGAS	S103877263	INTERSTATE DISTRIBUTOR	DONOVAN WAY @ RR TRACK		SHWS	
LAS VEGAS	S103876981	UNION PACIFIC RAILROAD	DOWNTOWN LAS VEGAS		SHWS	
LAS VEGAS	S104736150	WILD BILL'S, INC.	EASTERN AVENUE AND FREMONT STR		SHWS	
LAS VEGAS	S103876045	NELLIS AIR FORCE BASE	FACILITY #2060	89191	SHWS	
LAS VEGAS	S103876048	NELLIS AIR FORCE BASE	FACILITY #0831	89191	SHWS	
LAS VEGAS	S103876050	NELLIS AIR FORCE BASE	FACILITY #625	89191	SHWS	
LAS VEGAS	S103876051	NELLIS AIR FORCE BASE	FACILITY #2350	89191	SHWS	
LAS VEGAS	S103876917	NELLIS AIR FORCE BASE	FACILITY #2350	89191	SHWS	
LAS VEGAS	S103877686	NELLIS AIR FORCE BASE	FACILITY #10307, AREA II	89191	SHWS, LUST	8-000881
LAS VEGAS	S104179004	NELLIS AIR FORCE BASE	FACILITY #2070	89191	SHWS	
LAS VEGAS	S105029626	NELLIS AIR FORCE BASE	FACILITY #61647	89191	SHWS	
LAS VEGAS	S105029629	NELLIS AIR FORCE BASE	FACILITY #0589	89191	SHWS	
LAS VEGAS	S105029631	NELLIS AIR FORCE BASE	FACILITY #0490	89191	SHWS	
LAS VEGAS	S103877077	NELLIS AIR FORCE BASE	FACILITY 10116		SHWS	
LAS VEGAS	S103876873	NELLIS AIR FORCE BASE - INDI	FIRE TRAINING FACILITY	89191	SHWS	
LAS VEGAS	S103876954	GAIR AND ASSOCIATES	FLAMINGO ROAD AND BUFFALO ROAD		SHWS	
LAS VEGAS	S104179070	RIO SUITE HOTEL	FLAMINGO ROAD @ VALLEY VIEW BL		SHWS	
LAS VEGAS	S103876962	MCCARRAN INTERNATIONAL AIRPORT	EAST FUEL TERMINAL		SHWS	
LAS VEGAS	93466007	FWC/AV AREA 2	FWC/AV AREA 2	89191	ERNS	
LAS VEGAS	93324522	FWC/AV AREA 2	FWC/AV AREA 2	89191	ERNS	
LAS VEGAS	S103877273	MCCARRAN INTERNATIONAL AIRPORT	B GATES		SHWS	
LAS VEGAS	S104235275	FORMER MUNICIPAL DUMP	GUILLESPIE ST. / RICHMOND		SHWS	
LAS VEGAS	S103877089	CALNEV PIPELINE - BRACKEN	HACIENDA AND VALLEY VIEW BLVD.		SHWS	
LAS VEGAS	S103877131	CALNEV PIPELINE	HACIENDA AND POLARIS		SHWS	
LAS VEGAS	S103877094	NEVADA DEPARTMENT OF TRANSPORT	U.S. HIGHWAY 95 AND WAGONWHEEL		SHWS	
LAS VEGAS	S104179063	ACE HARDWARE/Ryder RENTAL	U.S. HIGHWAY 95 @ CHARLESTON B		SHWS	
LAS VEGAS	S104736159	WILLIAMS TANK LINES SPILL	U.S. HIGHWAY 95 NEAR FLAMINGO		SHWS	
LAS VEGAS	S103877097	SPEEDROME	NORTH HOLLYWOOD BETWEEN I-15 /		SHWS	
LAS VEGAS	S104179101	HEAVY EQUIPMENT WELDING & REPA	5603 EAST HOLLYWOOD		SHWS	
LAS VEGAS	S104736129	FORMER GAS STATION/AUTO REPAIR	HOOVER AVENUE @ LAS VEGAS BLVD		LUST	H-000066
LAS VEGAS	S103877615	SHELL OIL COMPANY/HUGHES AIRIAT	HUGHES AIR TERMINAL, MCCARRAN		LUST	8-000231
LAS VEGAS	S103876199	NELLIS AIR FORCE BASE	INDIAN SPRINGS (VARIOUS)	89191	SHWS	
LAS VEGAS	S104535011	ROADS WEST TRUCKING	IRONHORSE / GRAND CENTRAL PARK		SHWS	
LAS VEGAS	U003696846	RAINBOW MARKET #5	3887 E LAKE MEAD BLVD (@ W/LNUT)	89115	UST	8-001946
LAS VEGAS	S103875781	CENTRAL TELEPHONE COMPANY NORT	1600 EAST LAKE MEAD	89115	SHWS	
LAS VEGAS	S103877066	FKC CONTRACTORS	LAKE MEAD AND ARROYO GRANDE		SHWS	
LAS VEGAS	S103877200	HAYCOCK DISTRIBUTING	LAKE LAS VEGAS RESORT		SHWS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LAS VEGAS	S104179114	PARDEE HOMES	LAKE MEAD DRIVE AND EASTERN AV		SHWS	
LAS VEGAS	1000833309	EV CON RECYCLING	4920 N LAMB STE 12	89115	FINDS, RCRIS-LQG	
LAS VEGAS	U003719903	CHEVRON POLLO MARKET	3585 N LAMB BLVD AT LAS VEGAS BLVD	89115	UST	8-001960
LAS VEGAS	S103876826	UNIVERSITY OF NEVADA, LAS VEGA	SOUTH LAMB BOULEVARD		SHWS	
LAS VEGAS	S104916092	ROFENUS ALLAN HARVEY PROPERTY	LAMB BOULEVARD @ LONE MOUNTAIN		SHWS	
LAS VEGAS	S100947926	VICEROY GOLD CORP CASTLE MTN	9457 LAS VEGAS BLVD SOUTH ST		HAZNET	
LAS VEGAS	S103876832	DESERT INN GOLF COURSE	LAS VEGAS BOULEVARD		SHWS	
LAS VEGAS	S103877934	EXXON STATION 7-3194	2130 NORTH LAS VEGAS BOULEVARD		LUST	H-000019
LAS VEGAS	S105173972	CATHOLIC CHARITIES OF SOUTHERN	1501 LAS VEGAS BOULEVARD		SHWS	
LAS VEGAS	S104178921	CITY OF LAS VEGAS (GRANITE)	LAS VEGAS BOULEVARD @ FREMONT		LUST	H-001355
LAS VEGAS	S104179099	CITY OF LAS VEGAS (BLOCK 34)	LAS VEGAS BOULEVARD @ OGDEN R		SHWS	
LAS VEGAS	S104916095	NELLIS AIR FORCE BASE	LAS VEGAS BOULEVARD @ SLOAN AV		SHWS	
LAS VEGAS	S103877139	NEVADA POWER COMPANY	LEWIS AND MAIN STREET SUBSTATI		SHWS	
LAS VEGAS	S103877101	LONE MOUNTAIN GRAVEL PIT	LONE MOUNTAIN AND JENSEN		SHWS	
LAS VEGAS	S103877113	LONE MOUNTAIN GRAVEL PIT	LONE MOUNTAIN ROAD		SHWS	
LAS VEGAS	S103877194	LAS VEGAS PAVING	LONE MOUNTAIN ROAD		SHWS	
LAS VEGAS	S103877311	LAS VEGAS PAVING	LONE MOUNTAIN ROAD		SHWS	
LAS VEGAS	S103877092	LASFUEL CONSORTIUM	MCCARRAN AIRPORT A RAMP		SHWS	
LAS VEGAS	S103877019	NEVADA POWER COMPANY	5209 MESAVIEW DRIVE		SHWS	
LAS VEGAS	S103877102	U.S. BUREAU OF LAND MANAGEMENT	NEAR FRENCHMAN MOUNTAIN		SHWS	
LAS VEGAS	S104534666	TERRIBLE HERBST #147	11 NORTH NELLIS BOULEVARD		LUST	8-000667
LAS VEGAS	S103877095	NEVADA DEPARTMENT OF TRANSPORT	NELLIS AND SAHARA AVENUE		SHWS	
LAS VEGAS	S103877206	PAINT FINES DISPOSAL	NELLIS AIR FORCE BASE		SHWS	
LAS VEGAS	94392492	NEVADA TEST SITE AREA 12 P TUNNEL PORTAL	NEVADA TEST SITE AREA 12 P TUNNEL PORTAL		ERNS	
LAS VEGAS	90166703	NEVADA TEST SITE AREA 2	NEVADA TEST SITE AREA 2		ERNS	
LAS VEGAS	S103876946	APEX DUMP SITE	NORTHEAST OF LAS VEGAS		SHWS	
LAS VEGAS	S103877300	U.S. 95 SOUTHBOUND (TRUCK ACCI	SOUTH OF TROPICANA AVENUE		SHWS	
LAS VEGAS	S104179093	NELLIS AIR FORCE BASE	PARAMEDIC ROAD NEAR GOLF COURSE	89191	SHWS	
LAS VEGAS	S103877252	NELLIS AIR FORCE BASE	PARKING ROWS 16/17	89191	SHWS	
LAS VEGAS	S103876986	BAYSHORE AT DESERT SHORES	POINT CONCEPTION AND HARBOR IS		SHWS	
LAS VEGAS	92283235	RANIER MESA AREA NO.12 NEVADA TEST SITE	RANIER MESA AREA NO.12 NEVADA TEST SITE		ERNS	
LAS VEGAS	S104179067	GOLDEN BEAR OIL SPECIALTIES	6400 RICHMAR ROAD		SHWS	
LAS VEGAS	S104395304	COPPER STATE EMULSIONS	6400 WEST RICHMARE		SHWS	
LAS VEGAS	S104736154	CONSTRUCTION VEHICLE SPILL	RUFIN @ EL CAMP GRANDE		SHWS	
LAS VEGAS	S103877065	NELLIS AIR FORCE BASE	RUNWAY 21-R		SHWS	
LAS VEGAS	S103877061	PARADISE SPA	SERENE AVENUE AND HAVEN STREET		SHWS	
LAS VEGAS	S103877152	DYNAIR FUELING OF NEVADA, INC.	WEST SIDE TANK FARM		SHWS	
LAS VEGAS	S103876872	NELLIS AIR FORCE BASE - INDI	#104, SITE	89191	SHWS	
LAS VEGAS	S103876875	NELLIS AIR FORCE BASE	#10123, SITE	89191	SHWS	
LAS VEGAS	S103876888	NELLIS AIR FORCE BASE - INDI	#31, SITE	89191	SHWS	
LAS VEGAS	UC73380893	RIVER CITY PETROLEUM	4915 SLOAN ROAD	89115	UST	8-001762
LAS VEGAS	S104179082	CALNEV/TECHROLINE	SLOAN AVENUE		SHWS	
LAS VEGAS	S103877213	NEVADA DEPARTMENT OF TRANSPORT	SPAGHETTI BOWL		SHWS	
LAS VEGAS	S104535006	ROACH CONTRACTING COMPANY	SPENCER STREET		SHWS	
LAS VEGAS	S103877023	LA AND SL RAILROAD	SPRING MOUNTAIN ROAD AND UPRR		SHWS	
LAS VEGAS	S104916096	COMMERCIAL OFFICE WAREHOUSE	305 WEST ST. LOUIS AVENUE		SHWS	
LAS VEGAS	S104179083	HADLAND PARK	STEWART AVENUE BETWEEN 26TH/28		SHWS	

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Databases(s)	Facility ID
LAS VEGAS	S103877299	WE ARE DRAYAGE (TRUCK SPILL)	SUMMERLAN PKWY/TOWN CENTER		SHWS	
LAS VEGAS	S103877210	NEVADA POWER COMPANY	SUNRISE STATION		SHWS	
LAS VEGAS	S103877211	NEVADA POWER COMPANY	SUNRISE STATION #6 OIL RELEASE		SHWS	
LAS VEGAS	S103876921	UNOCAL SS #	SWC OF KAREN AND EASTERN		SHWS	
LAS VEGAS	S103876939	NELLIS AIR FORCE BASE	#N-489 TANK	89191	SHWS	
LAS VEGAS	91466839	TOLEACHA PEAK AREA 71	TOLEACHA PEAK AREA 71		ERNS	
LAS VEGAS	91223366	TOLEACHA PEAK AREA 71	TOLEACHA PEAK AREA 71		ERNS	
LAS VEGAS	S104736160	SOUTHWEST GAS COMPANY	TREE LANE DRIVE @ VEGAS VALLEY		SHWS	
LAS VEGAS	S103877009	NEVADA POWER COMPANY/TRANSFORM	VARIOUS		SHWS	
LAS VEGAS	S103877171	MCCARRAN INTERNATIONAL AIRPORT	VARIOUS LOCATIONS		SHWS	
LAS VEGAS	94374000	WEAPONS STORAGE AREA #2, FACILITY #10510	WEAPONS STORAGE AREA #2, FACILITY #10510		ERNS	
LAS VEGAS	94373660	WEAPONS STORAGE AREA #2, FACILITY #10510	WEAPONS STORAGE AREA #2, FACILITY #10510		ERNS	
LAS VEGAS	S103877295	FREDRICKSON TANK LINE	WELLS AND LAS VEGAS BOULEVARD		SHWS	
LAS VEGAS	94416146	ON WEST SIDE OF BUILDING IN OPEN AREA COVERED WITH GRAVEL, 4	ON WEST SIDE OF BUILDING IN OPEN AREA COVERED WITH GRAVEL, 4		ERNS	
LAS VEGAS	S103877215	ZIMMERMAN PROPERTIES	WESTWOOD		SHWS	
LAS VEGAS, NV	S104179001	UNION STATION NO. 2407	2001 NORTH LAS VEGAS BLVD	89031	SHWS, LUST	8-000756
N LAS VEGAS	1001968751	SAFETY KLEEN SYSTEMS INC	DONOVAN RD AND CRAIG RD	89031	RCRIS-SQG, FINDS	
NELLIS AFB	U003380742	USAF- NELLIS AFB- FAC #1301	4349 DUFFER DR STE 1600	89191	UST	8-001553
NELLIS AFB	U003380924	CEDAR PEAK FACILITY	4349 DUFFER DRIVE SUITE 1601	89191	UST	8-001796
NELLIS AFB	U003380912	SAME AS 8000886	FACILITY 287 4551 DEVLIN DRIVE	89191	UST	8-001784
NELLIS AFB	96497588	LIVE TARGET AREA - RANGE 75, TARGET 75-37, NEAR QUARTZ MOUNT	LIVE TARGET AREA - RANGE 75, TARGET 75-37, NEAR QUARTZ MOUNT	89191	ERNS	
NELLIS AFB	U003380264	FACILITY #1739	NELLIS AFB, NV 89191	89191	UST	8-000665
NELLIS AFB	U003380266	FACILITY #2070	NELLIS AFB, NV 89191	89191	UST	8-000667
NELLIS AFB	U003380267	FACILITY #2074	NELLIS AFB, NV 89191	89191	UST	8-000668
NELLIS AFB	U003380268	FACILITY #1709	NELLIS AFB, NV 89191	89191	UST	8-000669
NELLIS AFB	U003380269	FACILITY #830	NELLIS AFB, NV 89191	89191	UST	8-000670
NELLIS AFB	U003380273	FACILITY #835	NELLIS AFB, NV 89191	89191	UST	8-000674
NELLIS AFB	U003380275	FACILITY #2354	NELLIS AFB, NV 89191	89191	UST	8-000676
NELLIS AFB	U003380277	FACILITY #2098	NELLIS AFB, NV 89191	89191	UST	8-000678
NELLIS AFB	U003380278	FACILITY #634	NELLIS AFB, NV 89191	89191	UST	8-000679
NELLIS AFB	U003380279	FACILITY #229	NELLIS AFB, NV 89191	89191	UST	8-000680
NELLIS AFB	U003380280	FACILITY #10307	NELLIS AFB, NV 89191	89191	UST	8-000681
NELLIS AFB	U003380281	FACILITY #1014	NELLIS AFB, NV 89191	89191	UST	8-000682
NELLIS AFB	U003380283	FACILITY #10207	NELLIS AFB, NV 89191	89191	UST	8-000684
NELLIS AFB	U003380285	USAF -NELLIS AFB -FAC #267	NELLIS AFB	89191	UST	8-000686
NELLIS AFB	U003380287	FACILITY #10116	NELLIS AFB, NV 89191	89191	UST	8-000688
NELLIS AFB	U003380289	FACILITY #913	NELLIS AFB, NV 89191	89191	UST	8-000690
NELLIS AFB	U003380290	FACILITY #275	NELLIS AFB, NV 89191	89191	UST	8-000691
NELLIS AFB	U003380292	FACILITY #620	NELLIS AFB, NV 89191	89191	UST	8-000693
NELLIS AFB	U003380293	FACILITY #625	NELLIS AFB, NV 89191	89191	UST	8-000694
NELLIS AFB	U003380294	FACILITY #915	NELLIS AFB, NV 89191	89191	UST	8-000695
NELLIS AFB	U003380295	FACILITY #2350	NELLIS AFB, NV 89191	89191	UST	8-000696
NELLIS AFB	U003380296	FACILITY #2351	NELLIS AFB, NV 89191	89191	UST	8-000697
NELLIS AFB	U003380297	FACILITY #606	NELLIS AFB, NV 89191	89191	UST	8-000698
NELLIS AFB	U003380405	DEVICE ASSEMBLY FACILITY	NELLIS AIR FORCE BASE	89191	UST	8-001039

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
NELLIS AIR FORCE BAS	S103877270	NELLIS AIR FORCE BASE	99 ABW/EM 4349 DUFFER DRIVE	89191	SHWS	
NELLIS AIR FORCE BAS	S104179095	NELLIS AIR FORCE BASE	AIRCRAFT FLIGHTLINE	89191	SHWS	
NELLIS AIR FORCE BAS	S103877275	NELLIS AIR FORCE BASE	BUILDING #606/GAS STATION	89191	SHWS	
NELLIS AIR FORCE BAS	S103877286	NELLIS AIR FORCE BASE	JP8 PIPELINE, SOUTH	89191	SHWS	
NELLIS AIR FORCE BAS	S103877279	NELLIS AIR FORCE BASE	ROAD 32 - SPOT 5	89191	SHWS	
NELLIS AIR FORCE BAS	S103877287	NELLIS AIR FORCE BASE	RUNWAY 21/TAXIWAY G	89191	SHWS	
NELLIS AIR FORCE BAS	S103877288	NELLIS AIR FORCE BASE	TAXIWAY A	89191	SHWS	
NORTH LAS VEGAS	1000911797	OMEGA REFRIGERANT	4450 WALNUT ST	89031	RCRIS-SQG, FINDS	
TONOPAH	S104179071	TONOPAH TEST RANGE	FIRE TRAINING PIT	89191	SHWS	

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D010	SELENIUM
D018	BENZENE
D035	METHYL ETHYL KETONE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONF OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

EPA Waste Codes Addendum

Code	Description
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
P042	1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-
P042	EPINEPHRINE
U011	AMITROLE
U011	1H-1,2,4-TRIAZOL-3-AMINE
U151	MERCURY
U248	2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS
U248	WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/22/01

Date Made Active at EDR: 12/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/05/01

Elapsed ASTM days: 36

Date of Last EDR Contact: 02/04/02

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA

Telephone: N/A

Date of Government Version: 10/22/01

Date Made Active at EDR: 12/11/01

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/05/01

Elapsed ASTM days: 36

Date of Last EDR Contact: 02/04/02

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/21/01

Date Made Active at EDR: 02/04/02

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01

Elapsed ASTM days: 40

Date of Last EDR Contact: 12/26/01

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995 CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/21/01
Date Made Active at EDR: 02/04/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/26/01
Elapsed ASTM days: 40
Date of Last EDR Contact: 12/16/01

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/14/01
Date Made Active at EDR: 01/14/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/14/01
Elapsed ASTM days: 61
Date of Last EDR Contact: 11/14/01

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 06/21/00
Date Made Active at EDR: 07/31/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 07/10/00
Elapsed ASTM days: 21
Date of Last EDR Contact: 01/14/02

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 08/08/00
Date Made Active at EDR: 09/06/00
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/11/00
Elapsed ASTM days: 26
Date of Last EDR Contact: 02/01/02

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/99
Database Release Frequency: Biennially

Date of Last EDR Contact: 12/17/01
Date of Next Scheduled EDR Contact: 03/18/02

CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: N/A
Database Release Frequency: Varies

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/00
Database Release Frequency: Annually

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

DELISTED NPL: National Priority List Deletions

Source: EPA
Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 11/13/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/04/02
Date of Next Scheduled EDR Contact: 05/06/02

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA
Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/29/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation
Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 05/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 01/21/02
Date of Next Scheduled EDR Contact: 04/22/02

MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/07/02
Date of Next Scheduled EDR Contact: 04/08/02

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 12/14/01
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 01/02/02
Date of Next Scheduled EDR Contact: 04/01/02

NPL LIENS: Federal Superfund Liens

Source: EPA
Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/19/01
Date of Next Scheduled EDR Contact: 02/18/02

PAOS: PCB Activity Database System

Source: EPA
Telephone: 202-260-3936

PCB Activity Database. PAOS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/30/01
Database Release Frequency: Annually

Date of Last EDR Contact: 11/13/01
Date of Next Scheduled EDR Contact: 02/12/02

RAATS: RCRA Administrative Action Tracking System

Source: EPA
Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/11/01
Date of Next Scheduled EDR Contact: 03/11/02

TRIS: Toxic Chemical Release Inventory System

Source: EPA
Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/99
Database Release Frequency: Annually

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

TSCA: Toxic Substances Control Act

Source: EPA
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/98
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 01/22/02
Date of Next Scheduled EDR Contact: 04/22/02

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA
Telephone: 202-564-2501

Date of Government Version: 10/25/01
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/26/01
Date of Next Scheduled EDR Contact: 03/25/02

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF NEVADA ASTM STANDARD RECORDS

SHWS: Sites Database

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 01/09/02
Date Made Active at EDR: 02/04/02
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/22/02
Elapsed ASTM days: 13
Date of Last EDR Contact: 01/22/02

SWF/LF: Landfill List

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/02/01
Date Made Active at EDR: 02/07/01
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/16/01
Elapsed ASTM days: 22
Date of Last EDR Contact: 01/04/02

LUST: Sites Database

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/09/02
Date Made Active at EDR: 02/04/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/22/02
Elapsed ASTM days: 13
Date of Last EDR Contact: 01/22/02

UST: Underground Storage Tank List

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 01/07/02
Date Made Active at EDR: 02/04/02
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/22/02
Elapsed ASTM days: 13
Date of Last EDR Contact: 01/22/02

STATE OF NEVADA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Storage Tanks List

Source: Department of Conservation and Natural Resources
Telephone: 775-687-5872

Registered Aboveground Storage Tanks.

Date of Government Version: 01/10/00
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 01/21/02
Date of Next Scheduled EDR Contact: 04/22/02

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOCAL RECORDS

WASHOE COUNTY:

Underground Storage Tank in Washoe County

Source: Washoe County Department of Environmental Health

Telephone: 775-328-2493

Date of Government Version: 12/27/01

Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/27/01

Date of Next Scheduled EDR Contact: 04/01/02

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 1999 from the U.S. Fish and Wildlife Service.

Thank you for your business.
Please contact EDR at 1-800-352-0050
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APPENDIX G
CONSERVATION FACTORS FINDINGS

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CONSERVATION FACTOR FINDINGS

Conservation factors include cultural resources (historic properties, prehistoric resources, and traditional cultural properties), biological resources (sensitive habitats, threatened and endangered species, and wetlands), physiographic conditions (floodplains, landslide/sinkhole conditions, seismic conditions), and valuable resources including mineral resources, prime and unique farmlands or timberlands, and water rights.

Cultural Resources

Historic Properties.

Nellis AFB has been surveyed for historic buildings and structures. No historic properties eligible for nomination to the National Register of Historic Places (National Register) were identified. The Nevada State Historic Preservation Officer (SHPO) has concurred that final inventory and evaluation activities on Nellis AFB have been completed. In addition, the U.S. Army Environmental Center has recently completed a national-level study of Capehart and Wherry housing to determine if it should be considered and treated as historically significant; Capehart housing is found in the Manch Manor I and II areas. Results of this extensive study indicate that at the national level, these types of buildings would not be eligible for listing in the National Register (U.S. Army Environmental Center, 1999). Based on these findings, historic properties are not a concern within the Manch Manor Housing Area.

Prehistoric Sites.

Nellis AFB has been surveyed for prehistoric and historic archaeological resources. One archaeological site eligible for nomination to the National Register has been identified within Area II of the base, and is being managed for protection. No other sites within Area I, Area II, or Area III have been determined to be eligible for nomination to the National Register.

The SHPO has concurred that final inventory and evaluation activities on Nellis AFB have been completed. Based on these findings, prehistoric sites are not a concern within the Manch Manor Housing Area.

Traditional Cultural Resources.

Nellis AFB has been working with Native American groups to identify traditional cultural resources, sacred areas, or traditional use areas (99th Civil Engineer Squadron, 2002). The base continues to work with these groups to further identify these resources. To date, no known traditional cultural resources, sacred areas, or traditional use areas have been identified on Nellis AFB (U.S. Air Force, 1999). Based on these findings, traditional cultural resources are not a concern within the Manch Manor Housing Area.

Biological Resources

Sensitive Habitats.

No sensitive habitats are known to be present within the Manch Manor Housing Area.

Threatened and Endangered Species.

According to the INRMP for Nellis AFB, there is one federally threatened species present at Nellis AFB, the desert tortoise (Nellis Air Force Base, 2001b). The desert tortoise (*Gopherus agassizii*), which is also listed as state threatened, is found in low densities in Area II of the base. Tortoises are not found within Areas I and III of the base. Three federal species of concern are also found on the base. The chuckwalla (*Sauromalus obesus*) is a lizard that has been recorded on rocky hillsides in the far eastern area of Area II. The banded gila monster (*Heloderma suspectorum cinctum*) is both a federal species of concern and a state-protected species whose presence has been confirmed in Area II. The burrowing owl (*Athene cunicularia*) is a federal species of concern and a state-protected bird species. This bird has been observed at the sanitary landfill at the south end of the base and along the flood control channel on the southeast side of the base. None of these species has been identified in the Manch Manor Housing Area, nor does the area provide suitable habitat for any of these species.

In addition, there are nine species of bats with federal or state protection found or potentially occur on Nellis AFB or the Nellis Range. Eight bat species are considered to be federal species of concern, and one bat species is listed as threatened by the state of Nevada. Each of these bats has been found to occur on the Nellis Range and may also occur on Nellis AFB, although the presence of these species on base has not been confirmed. Habitats of particular importance to them include craggy cliff faces, caves, and abandoned mines. These habitats are not present in Areas I and III of the base, including the Manch Manor Housing Area. None of these nine species has been identified in the Manch Manor Housing Area.

Two sensitive plant species are found on Nellis AFB: the Las Vegas bearpoppy (*Arctomecon californica*) and the golden buckwheat (*Eriogonum corymbosum* var. *glutinosum*). The Las Vegas bearpoppy has been identified as a species of concern by the U.S. Fish and Wildlife Service (USFWS), listed as sensitive by the Nevada Natural Heritage Program, and fully protected by the state of Nevada. The USFWS hopes to avoid listing the species as federally threatened by protecting its habitat. It is only found in Clark County, Nevada, and in Mohave County, Arizona. The population is declining due to habitat disturbance and development in the Las Vegas area (Nevada Natural Heritage Program, 2001). Three bearpoppy populations are found in Area II and one in Area III. The population in Area III is the largest on the base, occupying an area of approximately 450 acres north of, and adjacent to, the Manch Manor Housing Area. The 26-acre parcel that would be leased to the contractor for the construction of MFH is situated within the 450-acre bearpoppy area. This parcel is the southernmost portion of the fenced bearpoppy area that is contiguous with Manch Manor II and III. The golden buckwheat, which is on the Nevada Heritage Program watch list of rare plants, is found in Area III in the same general area as the bearpoppy. A plant survey was conducted of the 26-acre parcel in July 2002. No Las Vegas bearpoppies were observed during this survey; however, several golden buckwheat plants were observed in this area (Nellis Air Force Base and U.S. Army Corps of Engineers, 2002).

Wetlands.

The only potential wetlands on Nellis AFB are the golf course ponds. The U.S. Army Corps of Engineers has indicated that these man-made ponds are not subject to wetlands protection under the CWA (Nellis Air Force Base, 2001). There are no wetlands situated within the Manch Manor Housing Area.

Physiographic Conditions

Floodplains.

There are no 100-year floodplains within the Manch Manor Housing Area. However, according to an interview conducted with Housing Flight personnel, incidents of flooding have occurred in the central portion of Manch Manor II due to poor drainage design within this area (99th Civil Engineer Squadron, 2001). Therefore, flooding is a concern within the Manch Manor Housing Area.

Landslide/Sinkhole Conditions.

Compaction faults and fissures have been identified as geologic constraints within Clark County. The Las Vegas Valley contains numerous compaction faults, which are of concern because they are subject to differential movement due to subsidence related to groundwater withdrawal. Subsidence due to groundwater withdrawal has been occurring in the Las Vegas Valley since the 1930s. Stresses related to subsidence, and resulting in fissures, have been localized near compaction faults (Sierra Delta Corporation, 1995). Although the area has a potential for compaction faults and fissures, these conditions have not been identified within the Manch Manor Housing Area (Bell, 1992).

Seismic Conditions.

Nellis AFB is situated in Seismic Hazard Zone 2B (International Conference of Building Officials, 1997). Areas designated as Seismic Hazard Zone 2B could experience earthquakes at intensities likely to cause people to have difficulty in standing and drivers to feel their cars shaking. Earthquakes could cause some furniture to break and loose bricks to fall from buildings. Damage would be slight to moderate in well-built buildings and considerable in poorly built buildings (Louie, 1996).

Valuable Resources

Mineral Resources

No economically recoverable mineral resources have been identified within the Manch Manor Housing Area.

Prime and Unique Farmlands or Timberlands

No prime and unique farmlands or timberlands have been identified within the Manch Manor Housing Area. The U.S. Department of Agriculture, Natural Resources Conservation Service, does not consider the soil types found within the Manch Manor Housing Area to be suitable to support prime and unique farmlands (U.S. Department of Agriculture, 2002). There are no prime and unique timberlands within the housing area. The existing Manch Manor Housing Area (Manch Manor I, II, and III) has been completely disturbed; prior to development, the area supported desert vegetation. No natural timberlands previously occurred on the property.

Water Rights

There are no water rights concerns associated with the Manch Manor Housing Area. The water supply for Nellis AFB, including the Manch Manor Housing Area, is provided by the SNWA and base wells. There are no water wells within the Manch Manor Housing Area that supply water for the base; therefore, water rights are not an issue.

REFERENCES

- 99th Civil Engineer Squadron, 2002. Personal communication with Lynn Haarklau (CES/CEVN) regarding consultation with American Indian groups to identify traditional cultural resources at Nellis AFB, 20 February.
- 99th Civil Engineer Squadron, 2001. Personal communication with Barb Burnham (CES/CEH) regarding flooding within the military family housing area, November.
- Bell, J., 1992. Las Vegas Valley: Land Subsidence Due to Ground-Water Withdrawal. Nevada Bureau of Mines and Geology. <http://geochange.er.usgs.gov/sw/impacts/hydrology/vegasgw/>.
- International Conference of Building Officials, 1997. Seismic Zone Map of the United States. Website: www.disastercenter.com, June.
- Louie, J., 1996. The Modified Mercalli Scale of Earthquake Intensity. University of Nevada. Website: www.seismo.unr.edu/ftp/pub/louie/class/100/mercalli.html.
- Nellis Air Force Base, 2001. Integrated Natural Resources Management Plan, Nellis Air Force Base/Nellis Air Force Range. 99th Civil Engineer Squadron, Environmental Management Flight, February.
- Nellis Air Force Base and U.S. Army Corps of Engineers, 2002. Las Vegas Bearpaw Poppy and Las Vegas Buckwheat Surveys on a Proposed Residence Expansion Parcel at Nellis AFB, Nevada.
- Nevada Natural Heritage Program, 2001. Rare Plant Fact Sheet: *Arctomecon californica*, Las Vegas Bearpoppy, compiled June 25.
- Sierra Delta Corporation, 1995. Biological Assessment of the U.S. Air Force, Nellis Air Force Base Water Well Annex, Clark County, Nevada, February.
- U.S. Army Environmental Center, 1999. For Want of a Home...a Historic Context for Wherry and Capehart Military Family Housing. <http://aec-www.apgea.army.mil:8080/prod/usaec/eq/conserv/acwcrcr.htm>.
- U.S. Department of Agriculture, 2002. Personal communication with Douglas Merkler, Resource Soil Scientist, Natural Resources Conservation Service, regarding Prime and Unique Farmlands or Timberlands in the Las Vegas, Nevada Area, February 25.
- U.S. Air Force, 1999. F-22 Aircraft Force Development Evaluation and Weapons School Beddown, Nellis AFB, Final Environmental Impact Statement, October.