Chapter 9.0 Land Ownership and Control
| 9.0 LAND OWNERSHIP AND CONTROL | ........................................ 9.0-1 |

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
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9.0 LAND OWNERSHIP AND CONTROL

This chapter describes the interests in real property that have been or will be obtained by the Department of Energy (DOE) to demonstrate compliance with the regulatory requirements of 10 CFR 60. The descriptions of the specific interests are detailed in Sections 9.1 and 9.2, and are in compliance with 10 CFR 60 as explicitly detailed in Section 9.3. This chapter demonstrates that DOE now has, or will have, sufficient and appropriate interests in real property to be in compliance with 10 CFR 60.

The provisions of 10 CFR 60.121 require that both the Geologic Repository Operations Area (GROA) and the controlled area shall be located in and on lands that are either acquired lands under the jurisdiction and control of DOE, or lands permanently withdrawn and reserved for its use. This provision further requires that: 1) such lands shall be held free and clear of all encumbrances, 2) the DOE shall exercise any jurisdiction and control over surface and subsurface estates necessary to prevent adverse human actions that could significantly reduce the repository’s ability to achieve isolation, and 3) the DOE shall also have obtained water rights as may be needed to satisfy the requirements of the repository operations area.

The parameters of the controlled area are defined in 40 CFR 191 and are based on information about the subsurface. Utilizing the outline of the proposed repository site, the information gathering process of the land ownership program occurred in three phases. The first phase was to define the boundaries of the parcel for which the DOE must obtain control and seek withdrawal. Inherent in this phase is applying the information gained during site characterization.
that would influence the boundaries at the controlled area and accessible environment. The second phase was ascertaining the status of any pre-existing outside rights with respect to the land at the site. Investigations to date have identified no such rights (e.g., mineral, grazing, or water rights) at or in the vicinity of Yucca Mountain. The third phase involved the actual process by which information was obtained for purposes of supporting a withdrawal application as set forth in the Federal Land Management Policy Act (FLMPA) and implementing Bureau of Land Management (BLM) regulations.

As established in the environmental assessment for the Yucca Mountain site (DOE, 1986), the land area of interest to the DOE for the GROA and controlled area is entirely on Federal lands controlled by three Federal agencies. These lands include the Nellis Air Force Range (NAFR) controlled by the U. S. Department of the Air Force (DAF), the Nevada Test Site (NTS) controlled by the DOE, and public lands controlled by the U. S. Department of the Interior (DOI), BLM. The Military Lands Withdrawal Act of 1986 (Public Law 99-606; MLWA, 1986) withdrew the 2.9 million acre NAFR for defense-related use by the DAF. Management of these lands remains the responsibility of the BLM.

The ownership and control status of the land area of interest is important to the DOE for a variety of reasons. These include the land management plans and agreements, and the public domain status of the BLM controlled lands. The DOE will monitor not only actions taken by the BLM or DAF with regard to the land areas of interest to the DOE, but also the current or proposed laws and regulations that may impact land ownership and control, or the rights to access such lands.

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Pursuant to 10 CFR 60.121, it is necessary for the DOE to withdraw the land that would comprise the repository operations area and controlled area and reserve this land for its use. Such a withdrawal action, under current law, must be made pursuant to applicable implementing regulations. To initiate a withdrawal action, FLMPA and the implementing regulations define the data and information required to be provided at the time of application to Congress to support the review of the application. Much of the required data and information has been collected as part of the site characterization activities and other programmatic activities conducted by the DOE. The programmatic activities include the repository land withdrawal and control process and the environmental program effort for the Yucca Mountain site. To ensure proper acquisition and documentation of the data and information relevant and necessary to support withdrawal action, site characterization activities have been reviewed and withdrawal information and documentation requirements have been conducted in parallel with the site characterization program.

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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
REFERENCES


9.0-4

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
1. Section No. & Title: 9.0 LAND OWNERSHIP AND CONTROL

2. Lead Author & Phone No. Bill Leonard
   (702) 794-1861

3. First Phase Planning Package Due: 6/21/91
   Second Phase Planning Package Due: 10/18/91
   First Phase Skeleton Draft Due: 12/30/91
   Second Phase Skeleton Draft Due: 3/15/92

4. Plan Approved: W.R. Griffin 8/27/91
   (Licensing Mgr & Lead Author)

5. Section Summary (Approximately 100 Words):
   This chapter describes the interests in real property that have been, or will be, obtained by DOE to demonstrate compliance with the regulatory requirements of 10 CFR 60.

6. Opening Statement:
   This chapter describes the interests in real property that have been or will be obtained by DOE to demonstrate compliance with the regulatory requirements of 10 CFR 60. The descriptions of the specific interests are detailed in Sections 9.1 and 9.2, and compliance with 10 CFR 60 is explicitly detailed in Section 9.3. This chapter demonstrates that DOE now has, or will have, sufficient and appropriate interests in real property to be in compliance with 10 CFR 60.

7. Main Body Outline:
   • Description of interests - Reference 9.1, 9.2
   • Compliance with 10CFR60 - Detail explicitly in 9.3

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
8. Conclusion:

DOE now has, or will have, sufficient interest in real property to be in compliance with 10 CFR 60.

9. Support Authors & Their Assignments:

None yet assigned

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Section No. & Title: 9.0 LAND OWNERSHIP AND CONTROL

Lead Author & Phone No. Bill Leonard
                        (702) 794-1861

A. Figure No. None at this time.

Caption:

Content:

B. Figure No.

Caption:

Content:

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Section No. & Title: 9.0 LAND OWNERSHIP AND CONTROL

Lead Author & Phone No.: Bill Leonard
(702) 794-1861

Instructions: List all books, articles, or other references that are expected to be used for the section. Indicate whether references are draft or final and whether they are publicly available (i.e., published). Refer to the Writer's Guide, Appendix D of the Annotated Outline Management Plan for guidance on formatting reference information.


The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
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The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Section No. & Title: 9.0 LAND OWNERSHIP AND CONTROL

2. Person Supplying Information:

3. Phone No.:

4. Lead Author (Requester): W. J. Leonard (702) 794-1861

Instructions: Information suppliers may use this form to communicate information that has been requested by lead authors via Information Request Forms. The Log Number on this form should be identical to the Log Number of the Information Request Form.

5. Response by Information Supplier:

Note: Attach additional sheets if necessary.
Date: 4/17/92

MGDS Annotated Outline Information Need Form
Form C: Information Request Tracking Log

Note: This is a recommended format for a manual tracking system. Other tracking methods such as a simple computer database are also acceptable.

Date:

Lead Author:

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The above Annotated Outline is guidance that may be used for the future development of an MGDS facility License Application.
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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

This section identifies the controlled area, the existing legal interests, legal interests to be obtained, and water rights. The Physical Security Plan, published separately as Section 1.5 of the License Application, provides information on the methods to be used for controlling access at the site.

9.1.1 Identification of Controlled Area

The controlled area, as specified in 40 CFR 191.12 (g) (EPA, 1987), is a surface location (and the underground area beneath that location) that encompasses no more than 100 square kilometers (38.6 square miles) and extends horizontally no more than 5 kilometers (3.1 miles) in any direction from the outer boundary of the original location of the emplaced radioactive wastes in a repository.

The planned area enclosed by a 5 km boundary from the proposed repository area is larger than 100 square kilometers because it was based on waste isolation considerations. The location of the controlled area was chosen to provide maximum possible isolation of the waste in the event of subsurface releases from waste packages and to ensure maximum permanence of the "passive institutional controls" referred to in 40 CFR 191.12. (Reference 9.1A). According to Rautman, et al, the water table slopes to the southeast, and the ground water flow that might carry released radioactivity toward the accessible environment will most likely be in a southerly to easterly
direction. Therefore, the controlled area boundary to the southeast is the maximum distance, i.e., 5 kilometers. The northeastern and northwestern boundaries of the controlled area are chosen to follow topographic high ground, where permanent markers would be more stable, anchored in relatively flat bedrock areas, than if situated in alluvial fill, which typically occurs in topographically low areas. Loose rock debris on steep slopes and the potential for landslides from steep bedrock areas makes these areas undesirable for the location of monuments. Also, markers on high ground should be more readily visible at a distance than markers in valley areas, thus accentuating the intended purpose of calling attention to the boundaries of the site. The resultant boundary, which encloses an area of about 88.93 square kilometers or 21975.4 acres, is illustrated in Figure 9.1A. It is planned, therefore, that the proposed boundary between the controlled area and the accessible environment will be permanently marked with monuments, based on the topography, saturated zone flow directions, and maximum extent of the controlled boundary area, and will be documented. Marking and documentation will be as specified in 10 CFR 60.51, 60.102, and 40 CFR 191.14.

The limits of the controlled area define the beginning of the accessible environment and become the benchmark location at which releases of radioactivity following permanent closure of the repository must meet the regulatory limits established by the EPA in 40 CFR 191.13. The controlled area boundary identifies the location from which the integrated releases of radionuclides for a period of 10,000 years after closure have been calculated in order to determine compliance with 40 CFR 191.13, and establishes a minimum region that must be protected from the conduct of incompatible activities for 100 years. The restricted
Map of controlled area and outside of controlled area, extending two miles beyond controlled area boundary. Map must show the area of the controlled area stated both in terms of acres and square kilometers.

Figure 9.1A Relevant Features Within the Controlled Area and Outside the Controlled Area

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
area refers to the area controlled by the licensee for purposes of protecting individuals from exposure to radiation and radioactive materials during preclosure activities, as defined by 10 CFR 60.2 since this restricted area may include accidental releases, as well as shipping and handling exposures to radiation. The restricted area is chosen to be identical to the controlled area.

9.1.1.1 Legal Description of Controlled Area, Stating Nevada State Coordinate System Limits and Area

The controlled area is situated at the junction of lands under three jurisdictions: the DOE's Nevada Test Site (NTS), the Department of Defense's Nellis Air Force Range, and the Department of Interior's (DOI) Bureau of Land Management (BLM) land. It is centered approximately at Township 12 South, Range 49 East, Mount Diablo Meridian, Nevada.

The controlled area boundary extends from approximately E550000 to E581600 on an East-West axis and from about N783500 to N740800 on a north-south axis (Nevada State Coordinate System). The controlled area is approximately 88.93 square miles or 21975.4 acres.

9.1.1.2 Relevant Features Within and Outside the Controlled Area

The relevant features within and outside the controlled area consist of the natural systems of the geologic setting, the physical facilities of the geologic repository operations area, and the...
engineered barrier systems. These features are discussed in Chapters 3, 4, and 5, respectively. Figure 9.1B shows the limits of the underground facility.

9.1.1.3 Description of Limits of the Underground Facility and Maximum Horizontal Distance to Boundary of the Controlled Area

The map location of the design repository, defined by the perimeter drift, is shown in Figure 9.1A. The design area of the repository is 5.61 square kilometers or 1386.1 acres.

9.1.2 Identification of Existing Legal Interests

The DOE has jurisdiction over the NTS. Access permits have been obtained from the DOI, BLM, and the DOD's Nellis Air Force Range, for site characterization activities in specified locations within candidate site areas under their jurisdiction. Repository activities other than those specifically defined under site characterization activities have been explicitly excluded, however.

9.1.2.1 Existing Present Surface Interests of Record in Lands Within the Controlled Area

The existing present surface interests of record in lands within the controlled area are limited to the part of the controlled area within the NTS (DOE jurisdiction).

9.1-5

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
An illustration showing the location of the repository within the controlled area and the horizontal distance from the repository to the boundary of the controlled area at the nearest point and at other selected points, showing its situation within the controlled area.

Figure 9.1B  Limits of the Underground Facility

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.1.2.1.1 Rights Arising Under the General Mining Laws

Specific rights under the general mining laws are as follows: **WJL-1**.

9.1.2.1.2 Easements for Right-of-Way

Specific easements for right-of-way are as follows: **WJL-2**

9.1.2.1.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

Other rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise are as follows: **WJL-3**

9.1.2.2 Existing Future Surface Interests of Record in Lands Within the Controlled Area

Existing future surface interests of record in lands within the controlled area are as follows:

9.1.2.2.1 Rights Arising Under the General Mining Laws

Rights arising under the general mining laws are as follows: **WJL-4**

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.1.2.2 Easements for Right-of-Way

Easements for right-of-way are as follows: WJL-5

9.1.2.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

All other rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise are as follows: WJL-6

9.1.2.3 Existing Present Subsurface Interests of Record in Lands Within the Controlled Area

Existing present subsurface interests of record in lands within the controlled area are as follows:

9.1.2.3.1 Rights Arising Under the General Mining Laws

Rights arising under the general mining laws are as follows: WJL-7

9.1.2.3.2 Easements for Right-of-Way

Easements for right-of-way are as follows: WJL-8

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.1.2.3.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

All other rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise are as follows: WJL-9

9.1.2.4 Existing Future Subsurface Interests of Record in Lands Within the Controlled Area

Existing present subsurface interests of record in lands within the controlled area are as follows:

9.1.2.4.1 Rights Arising Under the General Mining Laws

Rights arising under the general mining laws are as follows: WJL-10

9.1.2.4.2 Easements for Right-of-Way

Easements for right-of-way are as follows: WJL-11

9.1-9

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.1.2.4.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

All other rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise are as follows: WJL-12

9.1.2.5 Acquired Lands Within the Controlled Area that are Under the Jurisdiction and Control of DOE

Acquired lands within the controlled area that are under the jurisdiction and control of DOE are as follows: WJL-13

9.1.2.6 Lands Within the Controlled Area that have been Permanently Withdrawn and Reserved for DOE Use

Lands within the controlled area that have been permanently withdrawn and reserved for DOE use are as follows: WJL-14

9.1.3 IDENTIFICATION OF LEGAL INTERESTS TO BE OBTAINED (See Figure 9.1C, WJL-69)

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
Map showing:

1. Existing legal interests defined in Section 9.1.2
2. Legal interests to be obtained, as defined in Section 9.1.3
3. Water rights (legal interests), as defined in Sections 9.1.2, 9.1.3, and 9.1.4

Note: May require more than one figure to show legal interests.

Figure 9.1C. Existing Legal Interests to be Obtained

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.1.3.1 Legal Authority

The following legal authority pertains to identification of legal interests to be obtained within the controlled area:

9.1.3.1.1 Statutes

The following statutes pertain to identification of legal interests to be obtained:  WJL-15

9.1.3.1.2 Judicial Decisions

The following judicial decisions pertain to identification of legal interests to be obtained within the controlled area.  WJL-16

9.1.3.2 Encumbrances That DOE Proposes Not to Acquire

The following explanation pertains to encumbrances that DOE proposes not to acquire:

9.1.3.2.1 Identification

The following identifies the legal interests that DOE proposes not to acquire:

WJL-17

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.1.3.2.2 Why They are Not Significant to Achievement of the Purpose of 10 CFR 60

The following represents the rationale for identifying encumbrances that DOE proposes not to acquire, or are insignificant to achieving the purpose of 10 CFR 60: WJL-18

9.1.3.3 Identification of Relevant Legal Records and Their Locations (See Table 9.1A WJL-68)

Identification of relevant legal records and their locations is as follows: WJL-19

9.1.4 Water Rights Within the Controlled Area

Water rights within the controlled area are as follows: WJL-20

9.1.4.1 Identification of Water Rights Needed to Accomplish the Purpose of the Geologic Repository Operating Area (GROA)

The identification of water rights needed to accomplish the purpose of the geologic repository operating area is as follows: WJL-21

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
Table 9.1A. Relevant Legal Records and Their Locations

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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.1.4.1.1 Water for Personnel Needs

Water for personnel needs consists of the following: WJL-22

9.1.4.1.2 Water for Equipment Needs

Water for equipment needs consists of the following: WJL-23

9.1.4.1.3 Fire Protection Water

Water needed for fire protection is as follows: WJL-24

9.1.4.2 Quantitative Information by Water Category

The following is pertinent quantitative information by water category: WJL-25

9.1.4.3 Qualitative Information by Water Category

The following is pertinent qualitative information by water category: WJL-26

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
REFERENCES


The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
1. Section No. & Title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

2. Lead Author & Phone No. Bill Leonard (702) 794-1861

3. First Phase Planning Package Due: 6/21/91
   Second Phase Planning Package Due: 10/18/91
   First Phase Skeleton Draft Due: 12/30/91
   Second Phase Skeleton Draft Due: 3/15/92

4. Plan Approved: W.R. Griffin 8/27/91 (Licensing Mgr & Lead Author)

5. Section Summary (Approximately 100 Words):

   This section identifies the controlled area, the existing legal interests, legal interests to be obtained, and water and mining rights. The Physical Security Plan, published separately as Section 1.5 of the license application, provides information on the means to be used for controlling access to the site.

6. Opening Statement:

   All legal interests in real property and water and mining rights within the controlled area which are necessary for development of the geologic repository have either been obtained by DOE or will be obtained.


8. Conclusion:

   This section demonstrates that adequate provisions have been made or have been planned for the acquisition of surface, subsurface, water, and mining rights needed for the controlled area.

9. Support Authors & Their Assignments:

   None yet assigned.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

9.1.1 Identification of Controlled Area

9.1.1.1 Legal Description of Controlled Area, Stating Nevada State Coordinate System Limits and Area

9.1.1.2 Relevant Features Within and Outside the Controlled Area

9.1.1.3 Description of Limits of the Underground Facility and Maximum Horizontal Distance to Boundary of the Controlled Area

9.1.2 Identification of Existing Legal Interests

9.1.2.1 Existing Present Surface Interests of Record in Lands Within the Controlled Area

9.1.2.1.1 Rights Arising Under the General Mining Laws
9.1.2.1.2 Easements for Right-of-way
9.1.2.1.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription or Otherwise

9.1.2.2 Existing Future Surface Interests of Record in Lands Within the Controlled Area

9.1.2.2.1 Rights Arising Under the General Mining Laws
9.1.2.2.2 Easements for Right-of-way
9.1.2.2.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription or Otherwise

9.1.2.3 Existing Present Subsurface Interests of Record in Lands Within the Controlled Area

9.1.2.3.1 Rights Arising Under the General Mining Laws
9.1.2.3.2 Easements for Right-of-way
9.1.2.3.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription or Otherwise

9.1.2.4 Existing Future Subsurface Interests of Record in Lands Within the Controlled Area

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

9.1.2.4.1 Rights Arising Under the General Mining Laws
9.1.2.4.2 Easements for Right-of-way
9.1.2.4.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

9.1.2.5 Acquired Lands within the Controlled Area that are under the Jurisdiction and Control of DOE

9.1.2.6 Lands Within the Controlled Area that have been permanently withdrawn and reserved for DOE use

9.1.3 Identification of Legal Interests to be Obtained

9.1.3.1 Legal Authority

9.1.3.1.1 Statutes
9.1.3.1.2 Judicial decisions

9.1.3.2 Encumbrances that DOE proposes not to acquire

9.1.3.2.1 Identification
9.1.3.2.2 Why They are not Significant to Achievement of the Purpose of 10 CFR 60

9.1.3.3 Identification of Relevant Legal Records and Their Locations (See Table 9.1A)

9.1.4 Water Rights within the Controlled Area

9.1.4.1 Identification of Water Rights Needed to Accomplish the Purpose of the Geologic Repository Operating Area (GROA)

9.1.4.1.1 Water for Personnel Needs
9.1.4.1.2 Water for Equipment Needs
9.1.4.1.3 Fire Protection Water

9.1.4.2 Quantitative Information by Water Category

9.1.4.3 Qualitative Information by Water Category

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

A. Figure No. 9.1A

Caption: Relevant Features Within the Controlled Area and Outside the Controlled Area

Content:

Map of controlled area and outside of controlled area, extending two miles beyond controlled area boundary. Map must show the area of the controlled area stated both in terms of acres and square kilometers.

B. Figure No. 9.1B

Caption: Limits of the Underground Facility

Content:

An illustration showing the location of the repository within the controlled area and the horizontal distance from the repository to the boundary of the controlled area at the nearest point and at other selected points, showing its situation within the controlled area.
C. Figure No. 9.1C

Caption: Existing Legal Interests to be Obtained [WJL-69]

Content:

Map showing:

1. Existing legal interests defined in Section 9.1.2
2. Legal interest to be obtained, as defined in Section 9.1.3
3. Water rights (legal interests), as defined in Sections 9.1.2, 9.1.3, and 9.1.4

Note: May require more than one figure to show legal interests.
Section No. & Title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

Lead Author & Phone No. Bill Leonard (702) 794-1861

A. Table No. 9.1A

Title: Relevant Legal Records and Their Locations [WJL-68]

Content:

<table>
<thead>
<tr>
<th>Relevant Legal Record (Title)</th>
<th>Location</th>
</tr>
</thead>
</table>

B. Figure/Table No.

Caption/Title:

Content:

C. Figure/Table No.

Caption/Title:

Content:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Section No. & Title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

Lead Author & Phone No.: Bill Leonard
(702) 794-1861

Instructions: List all books, articles, or other references that are expected to be used for the section. Indicate whether references are draft or final and whether they are publicly available (i.e., published). Refer to the Writer’s Guide, Appendix D of the Annotated Outline Management Plan for guidance on formatting reference information.


The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
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<td>Section no. &amp; title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS</td>
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<tr>
<td>3.</td>
<td>Lead author &amp; phone no: W. J. Leonard (702) 794-1861</td>
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<tr>
<td>4.</td>
<td>Information request date: 2/21/92</td>
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<tr>
<td>5.</td>
<td>Work location: M&amp;O - Las Vegas</td>
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<td>6.</td>
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<td>Description of existing present surface interests of record consisting of rights arising under the general mining laws within the controlled area.</td>
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<td>7.</td>
<td>What is the information needed for? SAR Section 9.1.2.1.1.</td>
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<tr>
<td>8.</td>
<td>What group is the probable information supplier? Yucca Mountain Project Office.</td>
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<td>9.</td>
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<td>10.</td>
<td>What kind of related information is already available in references, etc.? TBD.</td>
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The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-2

2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Description of existing present surface interests of record consisting of easements for right-of-way within the controlled area.

7. What is the information needed for?

   SAR Section 9.1.2.1.2.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

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MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-3
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Description of existing present surface interests of record consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise within the controlled area. (Other than rights under the general mining laws and easements for right-of-way).

7. What is the information needed for?

   SAR Section 9.1.2.1.3.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
**MODS Annotated Outline Information Need Form**  
**Form A: Information Request**

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<tr>
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<td>Lead author &amp; phone no: <strong>W. J. Leonard (702) 794-1861</strong></td>
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<tr>
<td>4.</td>
<td>Information request date: <strong>2/21/92</strong></td>
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The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-5

2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Description of existing future surface interests of record consisting of easements for right-of-way within the controlled area.

7. What is the information needed for?

   SAR Section 9.1.2.2.2.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

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<tr>
<td>3.</td>
<td>Lead author &amp; phone no: <strong>W. J. Leonard (702) 794-1861</strong></td>
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<tr>
<td>4.</td>
<td>Information request date: <strong>2/21/92</strong></td>
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<td>5.</td>
<td>Work location: <strong>M&amp;O - Las Vegas</strong></td>
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<td><strong>Description of existing future surface interests of record consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise within the controlled area (other than rights under the general mining laws and easements for right-of-way).</strong></td>
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<td><strong>Yucca Mountain Project Office.</strong></td>
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<td>10.</td>
<td>What kind of related information is already available in references, etc.?</td>
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*The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.*
1. Log number: WJL-7

2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

Description of existing present subsurface interests of record consisting of rights arising under the general mining laws within the controlled area.

7. What is the information needed for?

SAR Section 9.1.2.3.1.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

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MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-8
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Description of existing present subsurface interests of record consisting of easement for right-of-way within the controlled area.
7. What is the information needed for?
   SAR Section 9.1.2.3.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
   TBD.

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-9
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Description of existing present subsurface interests of record consisting of all rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise within the controlled area (other than rights under the general mining laws and easements for right-of-way).
7. What is the information needed for?
   SAR Section 9.1.2.3.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-10
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Description of existing future subsurface interests of record consisting of rights arising under the general mining laws within the controlled area.
7. What is the information needed for?
   SAR Section 9.1.2.4.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

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MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-11
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Description of existing future subsurface interests of record consisting of easement for right-of-way within the controlled area.
7. What is the information needed for?
   SAR Section 9.1.2.4.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-12
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Description of existing future subsurface interests of record consisting of all rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise within the controlled area (other than rights under the general mining laws and easements for right-of-way).

7. What is the information needed for?

   SAR Section 9.1.2.4.2.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-13
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Description of acquired lands within the controlled area that are under the jurisdiction and control of DOE.
7. What is the information needed for?
   SAR Section 9.1.2.5.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.

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MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-15

2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Description of statutes that pertain to identification of legal interest to be obtained within the controlled area.

7. What is the information needed for?

   SAR Section 9.1.3.1.1.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

   TBD.

11. Response by (name):

12. Response date:

13. Response:

   The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-16

2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Description of judicial decisions that pertain to identification of legal interests to be obtained within the controlled area.

7. What is the information needed for?

   SAR Section 9.1.3.1.1.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-17
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of encumbrances that DOE proposes not to acquire within the controlled area.
7. What is the information needed for?
   SAR Section 9.1.3.2.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-18
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Explanation of why identified encumbrances that DOE proposes not to acquire within the controlled area are not significant to achievement of the purpose of 10 CFR 60.
7. What is the information needed for?
   SAR Section 9.1.3.2.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-19
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of relevant legal records pertaining to rights within the controlled area and their locations.
7. What is the information needed for?
   SAR Section 9.1.3.3.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
MODS Annotated Outline Information Need Form
Form A: Information Request

Log number: WJL-20

Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

Lead author & phone no: W. J. Leonard (702) 794-1861

Information request date: 2/21/92

Work location: M&O - Las Vegas

Type of information needed:

Identification of water rights within the controlled area.

What is the information needed for?

SAR Section 9.1.4.

What group is the probable information supplier?

Yucca Mountain Project Office.

When is the information needed?

TBD.

What kind of related information is already available in references, etc.?

TBD.

Response by (name):

Response date:

Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-21
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of water rights needed to accomplish the purpose of the Geologic Repository Operating Area (GROA).
7. What is the information needed for?
   SAR Section 9.1.4.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

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MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-22
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of water rights needed to assure an adequate amount for personnel needs within the Geologic Repository Operating Area (GROA).
7. What is the information needed for?
   SAR Section 9.1.4.1.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
   TBD.

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-23
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of water rights needed to assure an adequate amount for equipment needs within the Geologic Repository Operating Area (GROA).
7. What is the information needed for?
   SAR Section 9.1.4.1.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-24
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of water rights needed to assure an adequate amount for fire protection within the Geologic Repository Operating Area (GROA).
7. What is the information needed for?
   SAR Section 9.1.4.1.3.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Log number: WJL-25

2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Pertinent quantitative information by water category regarding water needed within the Geologic Repository Operating Area (GROA).

7. What is the information needed for?

   SAR Section 9.1.4.2.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

   TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-26
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Pertinent qualitative information by water category regarding water needed within the Geologic Repository Operating Area (GROA).

7. What is the information needed for?

   SAR Section 9.1.4.3.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-68
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Table 9.1A (suggested caption: Relevant Legal Records and Their Locations) listing relevant records concerning controlled area real property legal interests and their locations.

7. What is the information needed for?
   SAR Section 9.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
MODS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-69
2. Section no. & title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

Table 9.1C, a map, (suggested caption: Existing Legal Interest to be Obtained), showing 1. existing legal interests defined in 9.1.2; 2. legal interests to be obtained, as defined in 9.1.3; and 3. water rights (legal interests), as defined in 9.1.2, 9.1.3, and 9.1.4 -- Note: May require more than one figure to show legal interests.

7. What is the information needed for?

SAR Section 9.1.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MODS License Application.
1. Section No. & Title: 9.1 PLANS FOR RESTRICTING CONTROLLED AREA ACCESS

2. Person Supplying Information:

3. Phone No.:

4. Lead Author (Requester): Bill Leonard (702) 794-1861

Instructions: Information suppliers may use this form to communicate information that has been requested by lead authors via Information Request Forms. The Log Number on this form should be identical to the Log Number of the Information Request Form.

5. Response by Information Supplier:

Note: Attach additional sheets if necessary.
Note: This is a recommended format for a manual tracking system. Other tracking methods such as a simple computer data base are also acceptable.

Date:

Lead Author:

<table>
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<tr>
<th>Log No.</th>
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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
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<td>9.2-13</td>
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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
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9.2B Existing Legal Interests in Areas of DOE Concern
Outside the Controlled Area ........................................ 9.2-14
9.2 INTRODUCTION

This section identifies the areas of concern adjacent to the controlled area, the existing present and future legal interests, and the legal interests to be obtained. This section demonstrates compliance with 10 CFR 60.121.

9.2.1 Identification of Adjacent Areas of Concern

(See Figure 9.2A).

9.2.1.1 Legal Description of Areas of Concern (Outside the Controlled Area), Stating Nevada State Coordinate System Limits and Area

The legal description of areas of concern (outside the controlled area) are as follows: WJL-27

9.2.1.2 Human Actions (Outside the Controlled Area) Considered to Have the Potential to Affect the Geologic Repository

Human actions (outside the controlled area) considered to have the potential to affect the geologic repository are: WJL-28

9.2.2 Identification of Existing Legal Interests

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
Map showing areas, outside the controlled area, within which DOE must exercise jurisdiction and control of surface and subsurface estates so as to prevent adverse human actions that could significantly reduce the geologic repository's capability for isolation. Map to show relevant features. **WJL-70**

Figure 9.2A. Areas of DOE Concern Outside the Controlled Area

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.2.1 Existing Present Surface Interests of Record in Lands Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.1.1 Rights Arising Under the General Mining Laws

Existing present surface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of rights arising under the general mining laws are as follows: WJL-29

9.2.2.1.2 Easements for Right-of-Way

Existing present surface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of easements for right-of-way are: WJL-30

9.2.2.1.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

Existing present surface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise (excluding rights arising under the general mining laws and easements for right-of-way) are as follows: WJL-31

9.2-3

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.2.2 Existing Future Surface Interests of Record in Lands Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.2.1 Rights Arising Under the General Mining Laws

Existing future surface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of rights arising under the general mining laws are as follows: WJL-32

9.2.2.2.2 Easements for Right-of-Way

Existing future surface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of easements for right-of-way are as follows: WJL-33

9.2.2.2.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

Existing future surface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise (excluding rights arising under the general mining laws and easements for right-of-way) are as follows: WJL-34

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.2.3 Existing Present Subsurface Interests of Record Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.3.1 Rights Arising Under the General Mining Laws

Existing present subsurface interests of record within the adjacent areas of concern (outside the controlled area) consisting of rights arising under the general mining laws are as follows: WJL-35

9.2.2.3.2 Easements for Right-of-Way

Existing present subsurface interests of record within the adjacent areas of concern (outside the controlled area) consisting of easements for right-of-way are as follows: WJL-36

9.2.2.3.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

Existing present subsurface interests of record within the adjacent areas of concern (outside the controlled area) consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise (excluding rights arising under the general mining laws and easements for right-of-way) are as follows: WJL-37

9.2-5

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.2.4 Existing Future Subsurface Interests of Record in Lands Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.4.1 Rights Arising Under the General Mining Laws

Existing future subsurface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of rights arising under the general mining laws are as follows: WJL-38

9.2.2.4.2 Easements for Right-of-Way

Existing future subsurface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of easements for right-of-way are as follows: WJL-39

9.2.2.4.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

Existing future subsurface interests of record in lands within the adjacent areas of concern (outside the controlled area) consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise (except for rights arising under the general mining laws and easements for right-of-way) are as follows: WJL-40

9.2-6

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.2.5 Water Rights Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.5.1 Identification of Existing Water Rights

9.2.2.5.1.1 Water for Personnel Needs

Water rights for personnel needs within the adjacent areas of concern (outside the controlled area) are identified as follows: WJL-41

9.2.2.5.1.2 Water for Equipment Needs

Water rights for equipment needs within the adjacent areas of concern (outside the controlled area) are identified as follows: WJL-42

9.2.2.5.1.3 Fire Protection Water

Water rights for fire protection needs within the adjacent areas of concern (outside the controlled area) are identified as follows: WJL-43

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.2.5.2  Quantitative Information by Water Category

Quantitative information by water category regarding water rights within the adjacent areas of concern (outside the controlled area) are identified as follows: **WJL-44**

9.2.2.5.3  Qualitative Information by Water Category

Qualitative information by water category regarding water rights within the adjacent areas of concern (outside the controlled area) are identified as follows: **WJL-45**

9.2.2.6  Evaluation of the Extent to Which, in the Absence of Unanticipated Processes and Events, DOE’s Jurisdiction and Control of the Legal Interests Defined in 9.2.2.1 through 9.2.2.5, above, Would Serve to Prevent Adverse Human Actions that Could Significantly Reduce the Geologic Repository’s Capability for Isolation. (See Table 9.2A - WJL-72).

Evaluation of the extent to which, in the absence of unanticipated processes and events, DOE’s jurisdiction and control of the legal interests defined in 9.2.2.1 through 9.2.2.5, above, would serve to prevent adverse human actions that could significantly reduce the geologic repository’s capability for isolation is as follows, and is summarized in Table 9.2A **WJL-46**

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
Table 9.2A. Prevention of Adverse Human Actions that Could Significantly Reduce Repository Isolation Capability Through DOE Jurisdiction and Control of Legal Interests Outside the Controlled Area

<table>
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<th>Potential Human Adverse Action</th>
<th>Possible Adverse Consequences</th>
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</table>

WJL-72

9.2-9

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.2.7 Identification of Existing Relevant Legal Records and Their Locations - (See Table 9.2B - WJL-73)

Relevant existing legal records pertaining to the legal interests defined in Sections 9.2.2.1 through 9.2.2.5, above, and their locations are identified as follows, and are summarized in Table 9.2B. WJL-47

9.2.3 Identification of Legal Interests to be Obtained Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.3.1 Legal Authority

9.2.3.1.1 Statutes

Statutes applicable to the legal interests to be obtained within the adjacent areas of concern (outside the controlled area) are as follows: WJL-48

9.2.3.1.2 Judicial Decisions

Judicial decisions applicable to the legal interests to be obtained within the adjacent areas of concern (outside the controlled area) are as follows: WJL-49

9.2-10

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
Table 9.2B. Relevant Legal Records and Their Locations

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</tbody>
</table>

WJL-73

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.3.2 Encumbrances that DOE Proposes Not to Acquire

9.2.3.2.1 Identification

Identification of encumbrances that DOE proposes not to acquire within the adjacent areas of concern (outside the controlled area) is as follows: WJL-50

9.2.3.2.2 Why They Are Not Significant to Achievement of the Purposes of 10 CFR 60

An explanation of why the identified encumbrances that DOE proposes not to acquire within the adjacent areas of concern (outside the controlled area) are not significant to the achievement of the purposes of 10 CFR 60 is as follows: WJL-51

9.2.3.3 Identification of Relevant Legal Records to be Obtained and Their Locations (See Table 9.2B - WJL-73)

Relevant legal records to be obtained pertaining to the legal interests to be obtained within the adjacent areas of concern (outside the controlled area) and their locations are identified as follows, and summarized in Table 9.2B. WJL-52

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.2.3.4 Water Rights Within the Adjacent Areas of Concern Needed to Accomplish the Purpose of the GROA or Needed to Preclude Potential Adverse Human Actions that Could Significantly Reduce the Geologic Repository's Capability for Isolation (See Figure 9.2B - WJL-71)

9.2.3.4.1 Water for Personnel Needs

Identification of water rights needed to satisfy personnel needs within the scope of Section 9.2.3.4 is as follows: WJL-53

9.2.3.4.2 Water for Equipment Needs

Identification of water rights to satisfy equipment needs within the scope of Section 9.2.3.4 is as follows: WJL-54

9.2.3.4.3 Fire Protection Water

Identification of water rights to satisfy fire protection needs within the scope of Section 9.2.3.4 is as follows: WJL-55

9.2-13

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
Map showing:

1. Existing legal interests defined in Section 9.2.2
2. Legal interests to be obtained, as defined in Section 9.2.3
3. Water rights (legal interests), existing and to be obtained

Note: More than one figure may be needed.

WJL-71

Figure 9.2B. Existing Legal Interests in Areas of DOE Concern Outside the Controlled Area
9.2.3.4.4 Water Rights to Control Potential Adverse Human Actions Detrimental to the Achievement of the Purposes of 10 CFR 60

Identification of water rights to satisfy the requirement to control potential adverse human actions detrimental to the achievement of the purposes of 10 CFR 60 within the scope of Section 9.2.3.4 is as follows: WJL-56

9.2.3.4.5 Quantitative Information for Water by Category

Quantitative information for water by category within the scope of Section 9.2.3.4 is as follows: WJL-57

9.2.3.4.6 Qualitative Information for Water by Category

Qualitative information for water by category within the scope of Section 9.2.3.4 is as follows: WJL-58

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
REFERENCES


The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
1. Section No. & Title:  9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

2. Lead Author & Phone No.  Bill Leonard  
   (702) 794-1861

3. First Phase Planning Package Due:  6/21/91  
   Second Phase Planning Package Due:  10/18/91  
   First Phase Skeleton Draft Due:  12/30/91  
   Second Phase Skeleton Draft Due:  3/15/92

4. Plan Approved:  W.R. Griffin  8/27/91  
   (Licensing Mgr & Lead Author)

5. Section Summary (Approximately 100 Words):

   This section identifies the areas of concern adjacent to the controlled area, the existing present and future legal interests, and the legal interests to be obtained.

6. Opening Statement:

   See item 5 above.


8. Conclusion:

   This section demonstrates compliance with 10 CFR 60.121.

9. Support Authors & Their Assignments:

   The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

9.2.1 Identification Of Adjacent Areas Of Concern

9.2.1.1 Legal Description of Areas of Concern (Outside the Controlled Area), Stating Nevada State Coordinate System Limits and Area

9.2.1.2 Human Actions (outside the controlled area) Considered to have the Potential to Affect the Geologic Repository (See Table 9.2A).

9.2.2 Identification Of Existing Legal Interests

9.2.2.1 Existing Present Surface Interests of Record in Lands Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.1.1 Rights Arising under the General Mining Laws

9.2.2.1.2 Easements for Right-of-way

9.2.2.1.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

9.2.2.2 Existing Future Surface Interests of Record in Lands Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.2.1 Rights Arising under the General Mining Laws

9.2.2.2.2 Easements for Right-of-way

9.2.2.2.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

9.2.2.3 Existing Present Subsurface Interests of Record in Lands Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.3.1 Rights Arising under the General Mining Laws

9.2.2.3.2 Easements for Right-of-way

9.2.2.3.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

9.2.2.4 Existing Future Subsurface Interests of Record in Lands Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.4.1 Rights Arising under the General Mining Laws

9.2.2.4.2 Easements for Right-of-way

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

9.2.2.4.3 All Other Rights Arising Under Lease, Rights of Entry, Deed, Patent, Mortgage, Appropriation, Prescription, or Otherwise

9.2.2.5 Water Rights Within the Adjacent Areas of Concern (Outside the Controlled Area)

9.2.2.5.1 Identification of Existing Water Rights

- 9.2.2.5.1.1 Water for Personnel Needs
- 9.2.2.5.1.2 Water for Equipment Needs
- 9.2.2.5.1.3 Fire Protection Water

9.2.2.5.2 Quantitative Information by Water Category
9.2.2.5.3 Qualitative Information by Water Category

9.2.2.6 Evaluation of the Extent to which, in the Absence of Unanticipated Processes and Events, DOE’s Jurisdiction and Control of the Legal Interests Defined in Sections 9.2.2.1 through 9.2.2.5, above, would Serve to Prevent Adverse Human Actions that could Significantly Reduce the Geologic Repository’s Capability for Isolation. See Table 9.2A.

9.2.2.7 Identification of Existing Relevant Legal Records and Their Locations - See Table 9.2B

9.2.3 Identification of Legal Interests to be Obtained within the Adjacent Areas Of Concern (Outside the Controlled Area)

9.2.3.1 Legal Authority

- 9.2.3.1.1 Statutes
- 9.2.3.1.2 Judicial Decisions

9.2.3.2 Encumbrances that DOE Proposes Not to Acquire

- 9.2.3.2.1 Identification
- 9.2.3.2.2 Why They Are Not Significant to Achievement of the Purposes of 10 CFR 60

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

9.2.3.3 Identification of Relevant Legal Records and Their Locations (See Table 9.2B)

9.2.3.4 Water Rights Within the Adjacent Areas of Concern Needed to Accomplish the Purpose of the GROA or Needed to Preclude Potential Adverse Human Actions that Could Significantly Reduce Geologic Repository’s Capability for Isolation (See Figure 9.2B)

9.2.3.4.1 Water for Personnel Needs
9.2.3.4.2 Water for Equipment Needs
9.2.3.4.3 Fire Protection Water
9.2.3.4.4 Water Rights to Control Potential Adverse Human Actions Detrimental to the Achievement of the Purposes of 10 CFR 60
9.2.3.4.5 Quantitative Information for Water Category
9.2.3.4.6 Qualitative Information by Water Category
Section No. & Title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

Lead Author & Phone No.  Bill Leonard  
(702) 794-1861

A. Figure No. 9.2A

Caption: Areas of DOE Concern Outside the Controlled Area

Content: Map showing areas, outside the controlled area, within which DOE must exercise jurisdiction and control of surface and subsurface estates so as to prevent adverse human actions that could significantly reduce the geologic repository’s capability for isolation. Map to show relevant features. (See Section 9.2.1)

B. Figure No. 9.2B

Caption: Existing Legal Interests in Areas of DOE Concern Outside the Controlled Area

Content:

Map showing:

1. Existing legal interests defined in Section 9.2.2
2. Legal interests to be obtained, as defined in Section 9.2.3
3. Water rights (legal interests), existing and to be obtained

Note: More than one figure may be needed.
Section No. & Title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

Lead Author & Phone No. Bill Leonard (702) 794-1861

A. Table No. 9.2A

Title: Prevention of Adverse Human Actions that Could Significantly Reduce Repository Isolation Capability Through DOE Jurisdiction and Control of Legal Interests Outside the Controlled Area

Content:

<table>
<thead>
<tr>
<th>Potential Human Adverse Action</th>
<th>Possible Adverse Consequences</th>
<th>DOE Jurisdiction/ Control to Prevent (Legal Interest)</th>
<th>DOE Preventive Action</th>
</tr>
</thead>
</table>

B. Table No. 9.2B

Title: Relevant Legal Records and Their Locations

Content:

<table>
<thead>
<tr>
<th>Relevant Legal Record (Title)</th>
<th>Location</th>
<th>Existing</th>
<th>To Be Determined</th>
</tr>
</thead>
</table>

C. Figure/Table No.

Caption/Title:

Content:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Section No. & Title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

Lead Author & Phone No. Bill Leonard (702) 794-1861

Instructions: List all books, articles, or other references that are expected to be used for the section. Indicate whether references are draft or final and whether they are publicly available (i.e., published). Refer to the Writer's Guide, Appendix D of the Annotated Outline Management Plan for guidance on formatting reference information.


The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-27

2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

The legal description of the (legal) interests of concern outside the controlled area.

7. What is the information needed for?

SAR Section 9.2.1.1.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
MGDS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-28
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Human actions (outside the controlled area) considered to have the potential to affect the geologic repository.
7. What is the information needed for?
   SAR Section 9.2.1.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
   TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-29
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702)794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Existing present surface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of rights arising under the general mining laws.

7. What is the information needed for?
   SAR Section 9.2.2.1.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-30  
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA  
3. Lead author & phone no: W. J. Leonard (702) 794-1861  
4. Information request date: 2/21/92  
5. Work location: M&O - Las Vegas  
6. Type of information needed:  
   Existing present surface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of easements for right-of-way.  
7. What is the information needed for?  
   SAR Section 9.2.2.1.2.  
8. What group is the probable information supplier?  
   Yucca Mountain Project Office.  
9. When is the information needed?  
   TBD.  
10. What kind of related information is already available in references, etc.?  
    TBD.  
11. Response by (name):  
12. Response date:  
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-31

2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

Existing present surface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise (excluding rights arising under the general mining laws and easements for right-of-way).

7. What is the information needed for?

SAR Section 9.2.2.1.3.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-32
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Existing future surface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of rights arising under the general mining laws.
7. What is the information needed for?
   SAR Section 9.2.2.2.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-33

2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Existing future surface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of easements for right-of-way.

7. What is the information needed for?

   SAR Section 9.2.2.2.2.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-34
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Existing future surface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise (excluding rights arising under the general mining laws and easements for right-of-way).

7. What is the information needed for?

   SAR Section 9.2.2.2.3.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-35
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Existing present subsurface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of rights arising under the general mining laws.
7. What is the information needed for?
   SAR Section 9.2.2.3.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-36
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Existing present subsurface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of easements for right-of-way.

7. What is the information needed for?
   SAR Section 9.2.2.3.2.

8. What group is the probable information supplier?
   Yucca Mountain Project Office.

9. When is the information needed?
   TBD.

10. What kind of related information is already available in references, etc.?
    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-37
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

Existing present subsurface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise (excluding rights arising under the general mining laws and easements for right-of-way).

7. What is the information needed for? SAR Section 9.2.2.3.3.
8. What group is the probable information supplier? Yucca Mountain Project Office.
9. When is the information needed? TBD.
10. What kind of related information is already available in references, etc.? TBD.

11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-38
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

Existing future subsurface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of rights arising under the general mining laws.

7. What is the information needed for?

SAR Section 9.2.2.4.1.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
MGDS Annotated Outline Information Need Form
Form A: Information Request

Date: 4/17/92

1. Log number: WJL-39
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Existing future subsurface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of easements for right-of-way.
7. What is the information needed for?
   SAR Section 9.2.2.4.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.

11. Response by (name): 
12. Response date: 
13. Response: 

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-40
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Existing future subsurface legal interests of record in lands within the adjacent areas of concern (outside the Controlled Area) consisting of rights arising under lease, rights of entry, deed, patent, mortgage, appropriation, prescription, or otherwise (except for rights arising under the general mining laws and easements for right-of-way).

7. What is the information needed for?

   SAR Section 9.2.2.4.3.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-41
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of water rights for personnel needs within the adjacent areas of concern (outside the Controlled Area).
7. What is the information needed for?
   SAR Section 9.2.2.5.1.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-42
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of water rights for equipment needs within the adjacent areas of concern (outside the Controlled Area).
7. What is the information needed for? SAR Section 9.2.2.5.1.2.
8. What group is the probable information supplier? Yucca Mountain Project Office.
9. When is the information needed? TBD.
10. What kind of related information is already available in references, etc.? TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-43
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of water rights for fire protection needs within the adjacent areas of concern (outside the Controlled Area).
7. What is the information needed for?
   SAR Section 9.2.2.5.1.3.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-44
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Quantitative information by water category regarding water rights within the adjacent areas of concern (outside the Controlled Area).
7. What is the information needed for?
   SAR Section 9.2.2.5.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-45

2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Quantitative information by water category regarding water rights within the adjacent areas of concern (outside the Controlled Area).

7. What is the information needed for?

   SAR Section 9.2.2.5.3.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
MGDS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-46
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

Evaluation of the extent to which, in the absence of unanticipated processes and events, DOE’s jurisdiction and control of the legal interests defined in Sections 9.2.2.1 through 9.2.2.5 (see Information Need Forms WJL-29 through WJL-45) would serve to prevent adverse human actions that could significantly reduce the geologic repository’s capability for isolation.

7. What is the information needed for?

SAR Section 9.2.2.6.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-47
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of relevant existing legal records pertaining to the legal interests defined in Sections 9.2.2.1 through 9.2.2.5 (see Information Need Forms WJL-29 through WJL-45) and their locations.
7. What is the information needed for? SAR Section 9.2.2.7.
8. What group is the probable information supplier? Yucca Mountain Project Office.
9. When is the information needed? TBD.
10. What kind of related information is already available in references, etc.? TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-48
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Statutes applicable to the legal interests to be obtained within the adjacent areas of concern (outside the Controlled Area).

7. What is the information needed for?

   SAR Section 9.2.3.1.1.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
MGDS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-49
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Judicial decisions applicable to the legal interests to be obtained within the adjacent areas of concern (outside the Controlled Area).
7. What is the information needed for? SAR Section 9.2.3.1.2.
8. What group is the probable information supplier? Yucca Mountain Project Office.
9. When is the information needed? TBD.
10. What kind of related information is already available in references, etc.? TBD.

11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-50
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of encumbrances the DOE proposes not to acquire within the adjacent areas of concern (outside the Controlled Area).
7. What is the information needed for?
   SAR Section 9.2.3.2.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-51
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

   Explanation of why the identified encumbrances that DOE proposes not to acquire within the adjacent areas of concern, outside the Controlled Area, (see Information Need Form WJL-50) are not significant to achievement of the purposes of 10 CFR 60.

7. What is the information needed for?
   SAR Section 9.2.3.2.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

   The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-52
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of relevant legal records to be obtained pertaining to the legal interests to be obtained within the adjacent areas of concern (outside the Controlled Area).
7. What is the information needed for?
   SAR Section 9.2.3.3.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-53
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

Identification of water rights (legal interests) needed to satisfy personnel needs within the scope of Section 9.2.3.4 (water rights within the adjacent areas of concern needed to accomplish the purpose of the GROA or needed to preclude potential adverse human actions that could significantly reduce the geologic repository’s capability for isolation).

7. What is the information needed for?

SAR Section 9.2.3.4.1.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-54

2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

Identification of water rights (legal interests) needed to satisfy equipment needs within the scope of Section 9.2.3.4 (water rights within the adjacent areas of concern needed to accomplish the purpose of the GROA or needed to preclude potential adverse human actions that could significantly reduce the geologic repository’s capability for isolation).

7. What is the information needed for?

SAR Section 9.2.3.4.2.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Identification of water rights (legal interests) needed to satisfy fire protection needs within the scope of Section 9.2.3.4 (water rights within the adjacent areas of concern needed to accomplish the purpose of the GROA or needed to preclude potential adverse human actions that could significantly reduce the geologic repository's capability for isolation).

7. What is the information needed for?

SAR Section 9.2.3.4.3.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-56
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Identification of water rights (legal interests) needed to satisfy the requirement to control potential adverse human actions detrimental to the achievement of the purposes of 10 CFR 60 within the scope of Section 9.2.3.4 (water rights within the adjacent areas of concern needed to accomplish the purpose of the GROA or needed to preclude potential adverse human actions that could significantly reduce the geologic repository’s capability for isolation).
7. What is the information needed for?
   SAR Section 9.2.3.4.4.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-57
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Quantitative information by water category within the scope of Section 9.2.3.4 (water rights within the adjacent areas of concern needed to accomplish the purpose of the GROA or needed to preclude potential adverse human actions that could significantly reduce the geologic repository's capability for isolation).
7. What is the information needed for?
   SAR Section 9.2.3.4.5.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
   TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-58

2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

Quantitative information by water category within the scope of Section 9.2.3.4 (water rights within the adjacent areas of concern needed to accomplish the purpose of the GROA or needed to preclude potential adverse human actions that could significantly reduce the geologic repository’s capability for isolation).

7. What is the information needed for?

SAR Section 9.2.3.4.6.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-70

2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:
   Map (suggested caption: Areas of DOE Concern Outside the Controlled Area) showing areas, outside the Controlled Area, within which DOE must exercise jurisdiction and control of surface and subsurface estates so as to prevent adverse human actions that could significantly reduce the geologic repository’s capability for isolation. Map to show relevant features. (See Section 9.2.1).

7. What is the information needed for? SAR Section 9.2.1.

8. What group is the probable information supplier? Yucca Mountain Project Office.

9. When is the information needed? TBD.

10. What kind of related information is already available in references, etc.? TBD.

11. Response by (name): 

12. Response date: 

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Form A: Information Request

1. Log number: WJL-71
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:

Map (suggested title: Existing Legal Interests in Areas of DOE Concern Outside the Controlled Area) showing:

1. Existing legal interests defined in Section 9.2.2
2. Legal interests to be obtained, as defined in Section 9.2.3
3. Water rights (legal interests), existing and to be obtained.

Note: More than one figure may be needed.
7. What is the information needed for?
   SAR Section 9.2.2 and 9.2.3.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.

11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-72

2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Table (suggested caption: Prevention of Adverse Human Actions That Could Significantly Reduce Repository Isolation Capability Through DOE Jurisdiction and Control of Legal Interests Outside the Controlled Area), showing potential adverse human actions that could significantly reduce repository isolation capability through DOE jurisdiction and control of legal interests outside the Controlled Area. Suggested column headings are: 1) Potential Human Adverse Action, 2) Possible Adverse Consequences, 3) DOE Jurisdiction/Control to Prevent (Legal Interest), and 4) DOE Preventive Action, Including Jurisdiction and Control.

7. What is the information needed for?

   SAR Section 9.2.1.2.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
MGDS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-73
2. Section no. & title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Table (suggested caption: Relevant Legal Records and Their Locations), showing relevant legal records and their locations. Suggested column heading are: 1) Relevant Legal Record (Title), and 2) Location.
7. What is the information needed for?
   SAR Section 9.2.3.3.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
MGDS Annotated Outline Information Need Form
Form B: Information Response

Date: 4/17/92

1. Section No. & Title: 9.2 PLANS FOR REGULATING LAND USE OUTSIDE THE CONTROLLED AREA

2. Person Supplying Information: Bill Leonard
   (702) 794-1861

3. Phone No.: 

4. Lead Author (Requester): 

   Instructions: Information suppliers may use this form to communicate information that has been requested by lead authors via Information Request Forms. The Log Number on this form should be identical to the Log Number of the Information Request Form.

5. Response by Information Supplier: 

Note: Attach additional sheets if necessary.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Note: This is a recommended format for a manual tracking system. Other tracking methods such as a simple computer database are also acceptable.

Date:

Lead Author:

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The above Annotated Outline is guidance that may be used for the future development of an MGDS facility License Application.
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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.3 PLANS FOR REGULATING LAND USE AT THE GROA

This section describes interests that DOE has obtained or will obtain with respect to the "restricted area" as defined in 10 CFR 60. This section demonstrates that DOE can control access as necessary to protect individuals from radiation and radioactive materials. Also identified are those lands constituting the geologic repository and adjacent areas for which DOE has rights of access that are, accordingly, available to NRC to accomplish its inspection activities. The regulatory land use plans presented in this section comply with requirements of 10 CFR 60.121.

9.3.1 "Restricted Area" Land that DOE has Obtained (See Figure 9.3A - WJL-74)

9.3.1.1 Access Control Measures

Access control measures established within the "restricted area" land that DOE has obtained are as follows: WJL-59
Map showing:

1. "Restricted Area" Land DOE Has Obtained
2. "Restricted Area" Land DOE Will Obtain
3. Land to which DOE has Rights of Access

Figure 9.3A. "Restricted Area" Land and Land to Which DOE Has Rights of Access

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
9.3.1.2 Specific Measures to Protect Individuals

Specific measures to protect individuals within the "restricted area" land that DOE has obtained are as follows: **WJL-60**

9.3.2 "Restricted Area" Land that DOE Will Obtain (See Figure 9.3A - WJL-74)

9.3.2.1 Access Control Measures

Access control measures within the "restricted area" land that DOE will obtain are as follows: **WJL-63**

9.3.2.2 Specific Measures to Protect Individuals

Specific measures to protect individuals within the "restricted area" lands that DOE will obtain are as follows: **WJL-64**

9.3.3 Land to Which DOE Has Rights of Access and Which Are Available to NRC Inspections (See Figure 9.3A - WJL-74)

Land to which DOE has rights of access which are available to NRC inspections are described as follows: **WJL-67**

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
REFERENCES


The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
1. Section No. & Title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA

2. Lead Author & Phone No. Bill Leonard (702) 794-1861

3. First Phase Planning Package Due: 6/21/91
   Second Phase Planning Package Due: 10/18/91
   First Phase Skeleton Draft Due: 12/30/91
   Second Phase Skeleton Draft Due: 3/15/92

4. Plan Approved: W.R. Griffin 8/27/91
   (Licensing Mgr & Lead Author)

5. Section Summary (Approximately 100 Words):

   This section describes interests in land that DOE has obtained or will obtain with respect to any "restricted area", as defined in 10 CFR 60. The section demonstrates that DOE can control access as necessary to protect individuals from radiation and radioactive materials. Also identified are those lands constituting the geologic repository and adjacent areas for which DOE has rights of access and that are, accordingly, available to NRC to carry out its inspection activities.

6. Opening Statement:


8. Conclusion:

   The regulatory land use plans presented in this section comply with requirements of 10 CFR 60.121.

9. Support Authors & Their Assignments:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

9.3.1 "Restricted Area" Land that DOE has Obtained
   9.3.1.1 Access Control Measures
   9.3.1.2 Specific Measures to Protect Individuals

9.3.2 "Restricted Area" Land that DOE will Obtain
   9.3.2.1 Access Control Measures
   9.3.2.2 Specific Measures to Protect Individuals

9.3.3 Land to which DOE has Rights of Access and which are Available to NRC Inspections

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Section No. & Title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA

Lead Author & Phone No. Bill Leonard (702) 794-1861

A. Figure No. 9.3A

Caption: "Restricted Area" Land and Land to Which DOE Has Rights of Access

Content: (See Section 9.3.1)

Map showing:

1. "Restricted Area" Land DOE Has Obtained
2. "Restricted Area" Land DOE Will Obtain
3. Land to Which DOE Has Rights of Access

B. Figure/Table No.

Caption/Title:

Content:

C. Figure/Table No.

Caption/Title:

Content:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Section No. & Title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA

Lead Author & Phone No.: Bill Leonard
(702) 794-1861

Instructions: List all books, articles, or other references that are expected to be used for the section. Indicate whether references are draft or final and whether they are publicly available (i.e., published). Refer to the Writer's Guide, Appendix D of the Annotated Outline Management Plan for guidance on formatting reference information.


The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-59
2. Section no. & title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Access control measures established within the "restricted area" land that DOE has obtained.
7. What is the information needed for?
   SAR Section 9.3.1.1.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-60
2. Section no. & title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Specific measures to protect individuals within the "restricted area" land that DOE has obtained.
7. What is the information needed for?
   SAR Section 9.3.1.2.
8. What group is the probable information supplier?
   Yucca Mountain Project Office.
9. When is the information needed?
   TBD.
10. What kind of related information is already available in references, etc.?
    TBD.
11. Response by (name):
12. Response date:
13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-63

2. Section no. & title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:
   Access control measures within the "restricted area" land that DOE will obtain.

7. What is the information needed for?
   SAR Section 9.3.2.

8. What group is the probable information supplier?
   Yucca Mountain Project Office.

9. When is the information needed?
   TBD.

10. What kind of related information is already available in references, etc.?
    TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
MGDS Annotated Outline Information Need Form
Form A: Information Request

1. Log number: WJL-64
2. Section no. & title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA
3. Lead author & phone no: W. J. Leonard (702) 794-1861
4. Information request date: 2/21/92
5. Work location: M&O - Las Vegas
6. Type of information needed:
   Specific measures to protect individuals within the "restricted area" land that DOE has obtained.
7. What is the information needed for? SAR Section 9.3.2.2.
8. What group is the probable information supplier? Yucca Mountain Project Office.
9. When is the information needed? TBD.
10. What kind of related information is already available in references, etc.? TBD.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-67

2. Section no. & title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Land to which DOE has rights of access which are available to NRC inspections.

7. What is the information needed for?

   SAR Section 9.3.3.

8. What group is the probable information supplier?

   Yucca Mountain Project Office.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

    TBD.

11. Response by (name):

12. Response date:

13. Response:

   The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: WJL-74

2. Section no. & title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

Access control measures established within the "restricted area" land that DOE has obtained.

7. What is the information needed for?

SAR Section 9.3.2.

8. What group is the probable information supplier?

Yucca Mountain Project Office.

9. When is the information needed?

TBD.

10. What kind of related information is already available in references, etc.?

TBD.

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Section No. & Title: 9.3 PLANS FOR REGULATING LAND USE AT THE GROA

2. Lead Author & Phone No. Bill Leonard (702) 794-1861

3. Phone No.:

4. Lead Author (Requester):

Instructions: Information suppliers may use this form to communicate information that has been requested by lead authors via Information Request Forms. The Log Number on this form should be identical to the Log Number of the Information Request Form.

5. Response by Information Supplier:

Note: Attach additional sheets if necessary.

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Note: This is a recommended format for a manual tracking system. Other tracking methods such as a simple computer data base are also acceptable.

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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
10.0 INTRODUCTION

The OCRWM Quality Assurance Program Description Document (QAPD), DOE/RW-0215, Revision 3, October 1990, serves as the quality assurance program description document for program activities performed by OCRWM. The QAPD and the Quality Assurance Requirements and Description Document (QARD) reflect OCRWM policies and serve as the principal documents of the MGDS quality assurance (QA) program. Sections 1 through 19 of the QAPD, including the appendices, describe the provisions established by OCRWM to meet the requirements of the QARD. Appendix A of the QARD describes amplifications to the QA program requirements which are specific to the geologic repository.

The DOE plans a stand alone QA document which combines the QAPD and QARD into a single document. The new QA document will be submitted to the NRC for review and acceptance as a Topical Report.

The geologic repository is designed, constructed, operated, and closed pursuant to an approved QA program.

Subcontractor QA programs are subordinate to and consistent with the requirements of the DOE OCRWM QA program.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
The QA programs applicable to each phase (Site Characterization, Design and Construction, Operations, Permanent Closure, Decontamination, and Decommissioning) evolve from phase to phase and within the overall OCRWM QA program umbrella requirements, and are specific to each phase and subcontractor's workscope. The QA program criteria which are applicable to each phase are defined in each subcontractor's documented, OCRWM-approved QA program, with details of specific controls applicable to identified items and activities. Applicability specifics are discussed in Section 10.1.

10.0.1 Application of Quality Assurance Programs to Structures, Systems, and Components Important to Safety and Waste Isolation

10.0.1.1 Identification of Structures, Systems, and Components Important to Safety

(See also section 4.2).

10.0.1.2 Description of Analyses Used to Determine Structures, Systems, and Components Important to Safety

10.0.1.3 Engineered Barriers Important to Waste Isolation Which are Subject to Quality Assurance Programs

10.0.1.4 Evaluations Which Were Used to Identify Engineered Barriers Important to Waste Isolation and Subject to Quality Assurance Programs

10.0-2

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
10.0.1.5 Structures, Systems, Components, and Engineered Barriers Identified Above and Their Descriptions are Incorporated into the 10 CFR 60, Subpart G Quality Assurance Programs for Site Characterization (See Section 10.1.1), Design, and Construction (See Section 10.1.2), and Operations (See Section 10.1.4).

10.0.2 Quality Activities List. (See also Chapter 4)

10.0.3 Quality Assurance Program Description for 10 CFR 60.131(a) Items Other than Those Important to Safety or Waste Isolation (Protection of Occupational Health and Safety, for example).

10.0.4 Assessment of Activities During Site Characterization and Their Compliance with Quality Assurance Program Requirements (See Section 10.2).

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
REFERENCES


The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
1. Section No. & Title: 10.0 QUALITY ASSURANCE

2. Lead Author & Phone No. Bill Leonard (702) 794-1861

3. First Phase Planning Package Due: 6/21/91
   Second Phase Planning Package Due: 10/18/91
   First Phase Skeleton Draft Due: 12/30/91
   Second Phase Skeleton Draft Due: 3/15/92

4. Plan Approved: W.R. Griffin 8/27/91
   (Licensing Mgr & Lead Author)

5. Section Summary (Approximately 100 Words):

This describes the QA programs to be established and executed for various activities associated with the geologic repository to meet the requirements of Subpart G of 10 CFR 60.

The DOE plans a stand alone quality assurance document which combines the QAPD and QARD into a single document. The new QA document will be submitted to the NRC for review and approval as a Topical Report. Following NRC approval, this QA document will be applied throughout all phases of the Program.

This section will reference the standalone QA document.

6. Opening Statement:

The geologic repository is designed, constructed, operated, and closed pursuant to a QA program.


8. Conclusion:

The QA programs described in this chapter have been established to assure that quality affecting structures, systems, components, and activities have been adequately controlled to assure a safe repository.

9. Support Authors & Their Assignments:

None at this time.

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

10.0 INTRODUCTION

10.0.1 Application of QA Programs to Structures, Systems, and Components Important to Safety and Waste Isolation

10.0.1.1 Identification of Structures, Systems, and Components Important to Safety (See also Section 4.2).

10.0.1.2 Description of Analyses Used to Determine Structures, Systems, and Components Important to Safety.

10.0.1.3 Engineered Barriers Important to Waste Isolation Which are Subject to QA Programs.

10.0.1.4 Evaluations Used to Identify Barriers Important to Waste Isolation which are Subject to QA Programs.

10.0.1.5 Structures, Systems, Components, and Engineered Barriers Identified Above and Their Descriptions are Incorporated into the 10 CFR 60, Subpart G QA Programs for Site Characterization (See Section 10.1.1), Design and Construction (See Section 10.1.2), and Operations (See Section 10.1.4).

10.0.2 Quality Activities List (Q List). See also Chapter 4.

10.0.3 QA Program Description for 10 CFR 60.13(a) Items Other than those Important to Safety or Waste Isolation (Protection of Occupational Health and Safety, for example).

10.0.4 Assessment of Activities During Site Characterization and their Compliance with QA Program Requirements (See Section 10.2).

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
A. Table No. 10.0-A

Title: Quality Assurance Programs for Various Activities Associated with the Geologic Repository

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<tr>
<th>QA Program for:</th>
<th>Site Characterization</th>
<th>Design and Construction</th>
<th>Performance Confirmation</th>
<th>Operations, Permanent</th>
<th>Closure, Decontamination, and Decommissioning</th>
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B. Figure/Table No.

Caption/Title:

Content:

C. Figure/Table No.

Caption/Title:

Content:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
INTRODUCTION TO QUALITY ASSURANCE PROGRAM FOR THE GEOLOGIC REPOSITORY

Instructions: List all books, articles, or other references that are expected to be used for the section. Indicate whether references are draft or final and whether they are publicly available (i.e., published). Refer to the Writer’s Guide, Appendix D of the Annotated Outline Management Plan for guidance on formatting reference information.


MGDS Annotated Outline Information Need Form

1. Log number:

2. Section no. & title: 10.0 QUALITY ASSURANCE

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

Data and assessments collected without approved QA program.

7. What is the information needed for?

8. What group is the probable information supplier?

9. When is the information needed?

10. What kind of related information is already available in references, etc.?

11. Response by (name):

12. Response date:

13. Response:

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MGDS Annotated Outline Information Need Form
Form B: Information Response

1. Section No. & Title: 10.0 QUALITY ASSURANCE

2. Person Supplying Information:

3. Phone No.:

4. Lead Author (Requester): Bill Leonard (702) 794-1861

Instructions: Information suppliers may use this form to communicate information that has been requested by lead authors via Information Request Forms. The Log Number on this form should be identical to the Log Number of the Information Request Form.

5. Response by Information Supplier:

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Note: This is a recommended format for a manual tracking system. Other tracking methods such as a simple computer database are also acceptable.

Date:

Lead Author:

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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
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10.1 QUALITY ASSURANCE PROGRAMS FOR VARIOUS ACTIVITIES ASSOCIATED WITH THE GEOLOGIC REPOSITORY

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10.1 QUALITY ASSURANCE PROGRAMS FOR VARIOUS ACTIVITIES ASSOCIATED WITH THE GEOLOGIC REPOSITORY

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10.1.1.1 Applicable Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that have been Applied to Activities Affecting Quality During Site Characterization of the Geologic Repository (See Table 10.1-A)

10.1.1.1.1 QA Program for YMPO

10.1.1.2 Provisions Sufficiently Detailed to Respond to NRC "Review Plan for High-Level Waste Repository Quality Assurance Program Descriptions" (See Table 10.1-B)

10.1.1.3 Existing Data that has not been Gathered Under 10 CFR 60, Subpart G and Requires Qualification for Use in Licensing (See Table 10.1-C)

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10.1.3 Quality Assurance Program for Performance Confirmation

10.1.3.1 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that will be Established and Implemented for Quality Affecting Activities Associated with the Performance Confirmation Program of the Repository (See Table 10.1D)

10.1.3.2 Particular Quality Assurance Program Provisions which are the Same as those Previously Described for the Site Characterization Program (Cross reference to 10.1.1)
10.1.3.3 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that will be Applied to the Performance Confirmation Program and which have not been Previously Applied for the Site Characterization Quality Assurance Program (In Sufficient Detail to Permit Evaluation by NRC of 10 CFR 50, Appendix B Compliance)
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10.1.4 Quality Assurance Program for Operations, Permanent Closure, Decontamination, and Decommissioning

10.1.4.1 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) That Will Be Established and Implemented for Quality Affecting Activities Associated With Operations, Permanent Closure, Decontamination, and Decommissioning Phases of the Geologic Repository (See Table 10.1E)

10.1.4.2 Provisions which are the Same as those Previously Described for the Site Characterization Quality Assurance Program (Cross reference to 10.1.1)

10.1.4.3 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that will be applied to the Operations, Permanent Closure, Decontamination, and Decommissioning Phases of the Geologic Repository
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REFERENCES


1. Section No. & Title: 10.1 DESCRIPTION OF THE QUALITY ASSURANCE (QA) PROGRAMS

2. Lead Author & Phone No. Bill Leonard, (702) 794-1861

3. First Phase Planning Package Due: 6/21/91
   Second Phase Planning Package Due: 10/18/91
   First Phase Skeleton Draft Due: 12/30/91
   Second Phase Skeleton Draft Due: 3/15/92

4. Plan Approved: W.R. Griffin 8/27/91
   (Licensing Mgr & Lead Author)

5. Section Summary (Approximately 100 Words):

6. Opening Statement:
   TBD.


8. Conclusion:

9. Support Authors & Their Assignments:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

10.1.0 Introduction

10.1.1 QA Program For Site Characterization

10.1.1.1 Applicable Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that have been Applied to Activities Affecting Quality During Site Characterization of the Geologic Repository

10.1.1.2 Provisions Sufficiently Detailed to Respond to NRC "Review Plan for High-Level Waste Repository Quality Assurance Program Descriptions"

10.1.1.3 Existing Data that has not been Gathered Under 10 CFR 60, Subpart G and Requires Qualification for Use in Licensing

10.1.2 QA Program For Design And Construction

10.1.2.1 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that are Applicable to Design and Construction Activities which have been Previously Detailed for the Site Characterization QA Program

10.1.2.2 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that are Applicable to Design and Construction Activities and Which Have Not Previously been Applied for the Site Characterization QA Program with Sufficient Detail to Permit Evaluation by NRC of Compliance with 10 CFR 50, Appendix B Compliance.

10.1.3 QA Program For Performance Confirmation

10.1.3.1 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that will be Established and Implemented for Quality Affecting Activities Associated with the Performance Confirmation Program of the Repository

10.1.3.2 Particular QA Program Provisions which are the Same as Those Previously Described for the Site Characterization Program

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
7. Main Body Outline (Continued)

10.1.3.3 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that will be Applied to the Performance Confirmation Program and which have Not been Previously Applied for the Site Characterization QA Program (in Sufficient Detail to Permit Evaluation by NRC of 10 CFR 50, Appendix B).

10.1.4 QA Program for Operations, Permanent Closure, Decontamination, and Decommissioning

10.1.4.1 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that will be Established and Implemented for Quality Affecting Activities Associated with Operations, Permanent Closure, Decontamination, and Decommissioning Phases of the Geologic Repository

10.1.4.2 Provisions which are the Same as those Previously Described for the Site Characterization Program

10.1.4.3 Provisions of 10 CFR 50, Appendix B (as specified in the QARD) that will be Applied to the Operation, Permanent Closure, Decontamination, and Decommissioning Phases of the Geologic Repository

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
10.1 DESCRIPTION OF THE QUALITY ASSURANCE (QA) PROGRAMS

Bill Leonard, (702) 794-1861

A. Table No. 10.1A

Title: Provisions of 10 CFR 50, Appendix B (as specified in the QARD) Applied to Activities Affecting Quality During Site Characterization of the Geologic Depository

Content: (See Section 10.1.1.1)

Appendix B Criteria

Remarks Regarding Applicability/Non-Applicability

I. Organization
II. QA Program
III. Design Control
IV. P.D. Control
V. I, P, D
VI. Document Control, etc.

B. Table No. 10.1B

Title: Details of QA Program Responsiveness to NRC Review Plan for High-Level Waste Repository Quality Program Descriptions

Content: (See Section 10.1.1.2)

NRC Review Plan Item

Item

Where Found in QA Program

Procedure ___, Para. ___

Procedure ___, Para. ___
C. Table No. 10.1C

Title: Existing Data By Activity that has not been Gathered Under 10 CFR 60, Subpart G and Requires Qualification for Use in Licensing

<table>
<thead>
<tr>
<th>Data</th>
<th>Activity</th>
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The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
10.1 DESCRIPTION OF THE QUALITY ASSURANCE (QA) PROGRAMS

Bill Leonard, (702) 794-1861

A. Table No. 10.1D

Title: Provisions of 10 CFR 50, Appendix B (as specified in QARD) Applied to Activities Affecting Quality During Site Characterization of the Geologic Depository

Content: (See Section 10.1.3.1 and 10.1.3.3.)

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<th>Remarks Regarding Applicability/Non-Applicability</th>
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<tr>
<td>II. QA Program</td>
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<tr>
<td>III. Design Control, etc.</td>
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B. Table No. 10.1E

Title: Provisions of 10 CFR 50, Appendix B (as specified in QARD) Applied to Activities Affecting Quality During the Operation, Permanent Closure, Decontamination, and Decommissioning Phases of the Geologic Repository

Content:

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<th>Remarks Regarding Applicability/Non-Applicability</th>
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<tr>
<td>III. Design Control, etc.</td>
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</table>

C. Figure/Table No.

Caption/Title:

Content:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Section No. & Title: 10.1 DESCRIPTION OF THE QUALITY ASSURANCE (QA) PROGRAMS

Lead Author & Phone No.: Bill Leonard, (702) 794-1861

Instructions: List all books, articles, or other references that are expected to be used for the section. Indicate whether references are draft or final and whether they are publicly available (i.e., published). Refer to the Writer's Guide, Appendix D of the Annotated Outline Management Plan for guidance on formatting reference information.


The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number:

2. Section no. & title: 10.1 DESCRIPTION OF THE QUALITY ASSURANCE (QA) PROGRAMS

3. Lead author & phone no: W. J. Leonard (702) 794-1861

4. Information request date: 2/21/92

5. Work location: M&O - Las Vegas

6. Type of information needed:

   Data and assessments collected without approved QA program.

7. What is the information needed for?

   Section 10.1.

8. What group is the probable information supplier?

   TBD.

9. When is the information needed?

   TBD.

10. What kind of related information is already available in references, etc.?

11. Response by (name):

12. Response date:

13. Response:

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Section No. & Title: 10.1 DESCRIPTION OF THE QUALITY ASSURANCE (QA) PROGRAMS

2. Person Supplying Information:

3. Phone No.:

4. Lead Author (Requester): Bill Leonard (702) 794-1861

Instructions: Information suppliers may use this form to communicate information that has been requested by lead authors via Information Request Forms. The Log Number on this form should be identical to the Log Number of the Information Request Form.

5. Response by Information Supplier:

Note: Attach additional sheets if necessary.

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Note: This is a recommended format for a manual tracking system. Other tracking methods such as a simple computer data base are also acceptable.

Date:

Lead Author:

<table>
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<th>Log No.</th>
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<th>Date Issued</th>
<th>Date Response Received</th>
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</table>

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
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The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
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10.2 IMPLEMENTATION OF THE QA PROGRAM FOR SITE CHARACTERIZATION

Skeleton Text Has Not Been Developed For This Section

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
1. Section No. & Title: 10.2 IMPLEMENTATION OF THE QA PROGRAM FOR SITE CHARACTERIZATION

2. Lead Author & Phone No. Bill Leonard
   (702) 794-1861

3. First Phase Planning Package Due: 6/21/91
   Second Phase Planning Package Due: 10/18/91
   First Phase Skeleton Draft Due: 12/30/91
   Second Phase Skeleton Draft Due: 3/15/92

4. Plan Approved: W.R. Griffin 8/27/91
   (Licensing Mgr & Lead Author)

5. Section Summary (Approximately 100 Words):
   This section describes how the completed and ongoing quality affecting activities comply with the QA requirements of the QA program for site characterization (described in section 10.1.1).

6. Opening Statement:
   This section describes how the completed and ongoing quality affecting activities comply with the QA program requirements for site characterization. The description is in sufficient detail to enable NRC staff to determine whether and how applicable requirements of 10 CFR 50, Appendix B (as specified in the QARD) are satisfied. See Table 10.2A.

7. Main Body Outline:

8. Conclusion:
   This section demonstrates that completed and ongoing quality affecting activities comply with the QA program requirements for site characterization.

9. Support Authors & Their Assignments:
   None assigned at this time

The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
Section No. & Title: 10.2 IMPLEMENTATION OF THE QA PROGRAM FOR SITE CHARACTERIZATION

Lead Author & Phone No. Bill Leonard
(702) 794-1861

A. Table No. 10.2A

Title: Implementation of 10 CFR 50, Appendix B (as specified in the QARD) Criteria During Site Characterization

Content:

Applicable 10 CFR 50, Appendix B Criteria  

<table>
<thead>
<tr>
<th>I</th>
<th>Discussion of How the Criteria Were Implemented or Are Being Implemented at the Time of License Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>II</td>
<td>Sufficiently detailed to allow for NRC staff evaluation to determine compliance</td>
</tr>
<tr>
<td>III</td>
<td>etc.</td>
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</table>

B. Figure/Table No.

Caption/Title:

Content:

C. Figure/Table No.

Caption/Title:

Content:

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Implementing the Quality Assurance (QA) Program for Site Characterization

Section No. & Title: 10.2 IMPLEMENTATION OF THE QUALITY ASSURANCE (QA) PROGRAM FOR SITE CHARACTERIZATION

Lead Author & Phone No.: Bill Leonard, (702) 794-1861

Instructions: List all books, articles, or other references that are expected to be used for the section. Indicate whether references are draft or final and whether they are publicly available (i.e., published). Refer to the Writer's Guide, Appendix D of the Annotated Outline Management Plan for guidance on formatting reference information.


1. Log number:

2. Section no. & title:

3. Lead author & phone no:

4. Information request date:

5. Work location:

6. Type of information needed:

7. What is the information needed for?

8. What group is the probable information supplier?

9. When is the information needed?

10. What kind of related information is already available in references, etc.?

11. Response by (name):

12. Response date:

13. Response:

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Section No. & Title: 10.2 IMPLEMENTATION OF THE QUALITY ASSURANCE (QA) PROGRAM FOR SITE CHARACTERIZATION

Lead Author & Phone No.: Bill Leonard, (702) 794-1861

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<th>Date Response Received</th>
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<td>11.0-1</td>
</tr>
</tbody>
</table>

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11.0 EMERGENCY PLANNING

Skeleton Text Has Not Been Developed For This Section

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REFERENCES

The above Annotated Outline text is guidance that may be used for the future development of an MGDS facility License Application.
1. Section No. & Title: 11.0 EMERGENCY PLANNING

2. Lead Author & Phone No.

3. First Phase Planning Package Due:
   Second Phase Planning Package Due:
   First Phase Skeleton Draft Due:
   Second Phase Skeleton Draft Due:

4. Plan Approved: ___________________________ W.R. Griffin 8/27/91
   (Licensing Mgr & Lead Author)

5. Section Summary (Approximately 100 Words):

6. Opening Statement:

7. Main Body Outline:

8. Conclusion:

9. Support Authors & Their Assignments:
   None assigned at this time

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MGDS Annotated Outline Planning Package
Form 3: References

Section No. & Title:

Lead Author & Phone No.

Instructions: List all books, articles, or other references that are expected to be used for the section. Indicate whether references are draft or final, and whether they are publicly available (i.e., published). Refer to the Writer's Guide, Appendix D of the Annotated Outline Management Plan for guidance on formatting reference information.

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The above Annotated Outline text is guidance that may be used for the future development of an MGDS License Application.
1. Log number: 
2. Section no. & title: 11.0 EMERGENCY PLANNING
3. Lead author & phone no: 
4. Information request date: 2/21/92
5. Work location: 
6. Type of information needed: 

7. What is the information needed for?

8. What group is the probable information supplier?

9. When is the information needed?

10. What kind of related information is already available in references, etc.?

11. Response by (name):

12. Response date:

13. Response:

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MGDS Annotated Outline Information Need Form
Form B: Information Response

1. Section No. & Title:

2. Person Supplying Information:

3. Phone No.:

4. Lead Author (Requester): Marshall Weaver (702) 794-1871

Instructions: Information suppliers may use this form to communicate information that has been requested by lead authors via Information Request Forms. The Log No. on this form should be identical to the Log No. of the Information Request Form.

5. Response by Information Supplier:

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