**U.S. Department of Energy
Region 6
Radiological Assistance Program
Response Plan**

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**U.S. Department of Energy
Idaho Operations Office
Idaho Falls, Idaho**

**For Radiological Assistance Call the
Warning Communications Center
(208)526-1515**

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**-----DOE Region 6-----
-Colorado - Idaho - Montana-
-Utah - Wyoming-**

**DOE REGION 6
RADIOLOGICAL ASSISTANCE PROGRAM
RESPONSE PLAN**

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February 1998

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**U.S. DEPARTMENT OF ENERGY
REGION 6
RADIOLOGICAL ASSISTANCE PROGRAM
RESPONSE PLAN**

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REFERENCES

1. DOE O 151.1, *Comprehensive Emergency Management System*
2. DOE O 232.1, *Occurrence Reporting and Processing of Operations Information*
3. DOE 5530.1, *Response to Accidents and Significant Incidents Involving Nuclear Weapons*
4. DOE 5530.1A, *Accident Response Group*
5. DOE 5530.2, *Nuclear Emergency Search Team*
6. DOE 5530.3, *Radiological Assistance Program*
7. DOE 5530.4, *Aerial Measuring System*
8. DOE 5530.5, *Federal Radiological Monitoring and Assessment Center*
9. DOE 5635.4, *Protection of Unclassified Controlled Nuclear Information*
10. DOE 5650.2B, *Identification of Classified Information*
12. DOE, Defense Programs, Radiological Assistance Program, Policy and Program Directive
13. *Federal Radiological Emergency Response Plan (FRERP)*, May, 1996

1. INTRODUCTION AND PROGRAM PHILOSOPHY

This program plan meets all the requirements identified in DOE Order 5530.3, *Radiological Assistance Program*, Radiological Assistance Program Policy and Program Directive, and supports the RAP Scaled Response (RSR) concept of operations up to and including the establishment of a Federal Radiological Monitoring and Assessment Center (FRMAC).

The U.S. Department of Energy (DOE) has sponsored a Radiological Assistance Program (RAP) since the 1950's. The RAP is designed to make DOE resources available to other DOE facilities, state, tribal, local, private businesses, and individuals for the explicit purpose of assisting during radiological incidents. The DOE has an obligation, through the Atomic Energy Act of 1954, as amended, to provide resources through the Federal Radiological Emergency Response Plan (FRERP) in case of a radiological incident. Toward this end, the RAP program is implemented on a regional basis, and has planned for an incremental response capability with regional coordination between states and DOE response elements. This regional coordination is intended to foster a working relationship between DOE radiological assistance elements and those state, tribal, and local agencies responsible for first response to protect public health and safety.

Requests for radiological assistance may come from other DOE facilities, federal or state agencies, tribal officials, or from any private entity. Requests may be handled by a telephone call, a conference, or correspondence. Some occurrences may require the dispatch of RAP personnel equipped with radiation monitoring instruments and related equipment necessary to assist in evaluating, containing and controlling the hazard. The primary responsibility for incidents involving radioactive materials always remains with the party having custody of the radioactive materials. However, for transportation-related incidents involving DOE-owned radioactive materials DOE assumes all responsibilities as a shipper. In addition, the DOE recognizes that the assistance provided will not in any way preempt state, tribal, or local authority and/or responsibility on state or tribal properties. DOE assistance for non-DOE owned radioactive materials, is limited to technical assistance to include advice and site monitoring and assessment.

2. REGIONAL RAP PURPOSE AND OBJECTIVES

2.1 Purpose

Upon request, the DOE, through the Radiological Assistance Program (RAP), makes available and will provide radiological advice, monitoring, and assessment activities during radiological incidents where the release of radioactive materials is suspected or has occurred. Assistance will end when the need for such assistance is over, or if there are other resources available to adequately address the incident.

The implementation of the RAP is usually accomplished through the recommendation of the DOE Regional Coordinating Office's (RCO) on duty Regional Response Coordinator (RRC) with the approval of the Regional Coordinating Office Director (RCOD). The DOE Idaho Operations Office (DOE-ID) is the designated RCO for DOE Region 6 RAP. The purpose of this document is:

- To describe the mechanism for responding to any organization or private citizen requesting assistance to radiological incidents.
- To coordinate radiological assistance among participating federal agencies, states, and tribes in DOE Region 6.
- To describe the RAP Scaled Response concept of operations.

This plan does not provide specific guidance on implementation of the Federal Radiological Emergency Response Plan (FRERP).

In the cases of radiological incidents involving DOE material, a DOE Region 6 RAP Team will be dispatched to independently evaluate the hazard potential to public health and safety in support of the Incident Commander.

2.2 Objectives

The objectives of DOE Region 6 RAP are to:

- a. Provide the quickest and most effective radiological assistance under all conditions;
- b. Augment state and local resources to the maximum extent feasible to provide an early response capability;

- c. Provide liaison with other DOE facilities and federal, state, tribal, and local agencies in DOE Region 6;
- d. Provide information to the RCO and DOE-HQ concerning radiological assistance operations in DOE Region 6 and the potential need for additional DOE assets.

3. GEOGRAPHIC REGION OF RESPONSIBILITY

DOE Region 6 consists of the states of Colorado, Idaho, Montana, Utah, and Wyoming. This plan also covers tribal lands falling within this land area. The guidance set forth in this plan describes the RAP response to the following types of peacetime radiological incidents:

- All incidents involving radioactive materials including transportation incidents.
- Radiological incidents at the three DOE facilities in DOE Region 6, Idaho National Engineering and Environmental Laboratory, ID, Grand Junction Office, CO, and Rocky Flats Environmental Technology Site, CO, that exceeds the affected facility's response capabilities.
- Fort St. Vrain Independent Spent Fuel Storage Installation
- Assistance to other DOE regions in case of a major radiological emergency.

Requests for radiological assistance may be received by the INEEL Warning Communications Center (WCC) from any DOE office, DOE contractor, the Nuclear Regulatory Commission (NRC) or one of its licensees; federal, state, and local authorities; law enforcement; civil defense or other agencies; industrial and/or institutional users of radioactive materials; common carriers; or members of the public. Each request for radiological assistance will receive immediate consideration and an appropriate response by a DOE Region 6 RAP Team.

3.1 Regional Description Overview

Refer to Figure 1. DOE Region 6 consists of five states within the Intermountain West: Colorado, Idaho, Montana, Utah, and Wyoming.

Figure 1. Map of the United States highlighting DOE Region 6.

The Intermountain West consists of high plains, plateaus, mountains, canyons, deserts, salt flats, forests, scrub lands, and irrigated valleys. Although the Intermountain West occupies nearly one-fifth of the United States, the huge area supports less than 3% of the nation's population.

Several important interstate highways transverse Region 6. The east/west Interstate highways include I-70, I-80, I-84, and I-90 along with their feeders. From north to south Region 6 is crossed by I-15, and I-25.

Two major rail ways cross Region 6. The major rail transportation in Colorado, Idaho, Utah, and Wyoming is the Union Pacific. Montana's primary rail way is the Burlington Northern.

3.2 Physical Attributes of Region 6

DOE Region 6 physical attributes cover many geographies, geologies, climates, and population densities. Region 6 exhibits a conglomeration of geography: desert, high plains, rolling hills, and alpine. Altitudes range from a high of more than 14,000 feet to a low of 720 feet. The area generally has low relative humidity and abundant sunshine.

3.2.1 Geography, Geology, and Climate

The geography, geology and climate for each of the five states in Region 6 are listed below.

Colorado's geography ranges from the flat, grass-covered, high plains in the east through the central rolling hills of the Colorado Piedmont and finally to high mountain ranges and plateaus that make up the southern Rocky Mountains and the Colorado Plateau in the west. Within these areas, the state rises from approximately 3,500 feet in the east to more than 14,000 feet in the Rockies. Approximately one-half of its 104,247 square miles lies in the Rocky Mountains. Colorado has low relative humidity, abundant sunshine, wide daily seasonal temperature ranges and alpine conditions in the high mountains.

Idaho's 83,574 sq. mile area includes three distinct zones. The Snake River Plain in the south is Idaho's largest valley, and is occupied by the Snake River, an important source of hydroelectricity and irrigation. Next is the central region of mountains, canyons, and gorges such as Hells Canyon; is the deepest canyon in North America. Finally, the northern region is subalpine. Within the State altitudes vary from 720 feet at the Snake River in Nez Perce County to 12,662 feet at Borah Peak in Custer County. Idaho's climate is tempered by Pacific westerly winds, however, it is drier and colder in the Southeast — altitude is an important factor.

The Rocky Mountains make up the western third of Montana's 147,046 square miles, while the eastern two-thirds are gently rolling northern Great Plains. Elevations range from Granite Peak's 12,799 ft. in Park County to the Kootenai River in Lincoln County at 1800 feet. Montana's generally cold continental climate features heavy winter snows in the west and hot, dry summers in the east.

Utah displays a great variety of geography within its 84,904 square miles. Its High Colorado plateau in the Southeast is cut by brilliantly colored canyons while the broad, flat, desert-like Great Basin is in the West. The Great Salt Lake and Bonneville Salt Flats spread through the Northwest while the Middle Rockies in the Northeast create the valleys and plateaus of the Wasatch Front. Utah has a generally arid climate ranging from a desert in the Southwest to alpine in the Northeast. At 13,528 feet, Kings Peak in Duchesne County is Utah's highest point while Beaver Dam, in Washington County is the lowest at 2,000 feet.

Wyoming, with a total area of 97,818 square miles, is a mountain state lying in the high western plateaus of the Great Plains. The eastern Great Plains rise to the foothills of the Rocky Mountains with the Continental Divide crossing the state from the northwest to southeast. Wyoming's climate is semi-desert throughout with a true desert in the Big Horn and Great Divide basins. The highest point in Wyoming is Gannett Peak in Fremont County at 13,804 feet while the lowest point is the Belle Fourche River in Crook County at 3,099 feet.

3.3 Population Distribution of DOE Region 6

Table 1 addresses the population distribution within DOE Region 6.

Table 1. DOE Region 6 population distribution.

State	Estimated State Population	State Capitol	
		City	Estimated Population
Colorado	3,750,000	Denver	491,000
Idaho	1,163,000	Boise	153,000
Montana	856,000	Helena	50,000
Utah	2,000,000	Salt Lake City	170,000
Wyoming	476,000	Cheyenne	50,000

4. REGIONAL EMERGENCY RESPONSE INTERFACES AND POINTS OF CONTACT

4.1 State Agencies

Each state in DOE Region 6 has a radiological health agency responsible for the assessment of radiological incidents occurring within the state and for taking the appropriate actions to protect the public health and safety upon notification of the incident. The role of RAP is (1) to provide radiological assistance to these agencies in carrying out their responsibilities, and/or coordinate with these agencies. State agency contacts and phone numbers are listed in Appendix 2.

4.2 Tribal Organizations

Each tribe in DOE Region 6 has an emergency response organization responsible for the assessment of hazardous materials incidents occurring within reservation boundaries and for taking the appropriate actions to protect the public health and safety upon notification of the incident. The role of RAP is (1) to provide radiological assistance to these agencies in carrying out their responsibilities, and/or (2) coordinate with these agencies. Tribal agency contacts and phone numbers are listed in Appendix 3.

4.3 Other Organizations

There are several federal organizations that can contribute significantly to radiological incident response, depending on the nature and the scope of the incident. For example, if a response under the guidelines in the Federal Response Plan was deemed necessary, some of the following agencies may become involved in the incident response:

- Federal Emergency Management Agency (FEMA)
- Department of Agriculture (DOA)
- Department of Transportation (DOT)
- Environmental Protection Agency (EPA)
- Nuclear Regulatory Commission (NRC)
- Department of Commerce (DOC)
- Department of Defense (DoD)

- Health and Human Services (HHS)
- Department of Interior (DOI)
- Department of Justice (Federal Bureau of Investigation).

Appendix 1 lists contacts and telephone numbers for federal agencies involved in radiological incident response.

5. PROCEDURE FOR REQUESTING RADIOLOGICAL ASSISTANCE

5.1 Communications

Requests for the DOE Region 6 RAP are generally received through the Regional Coordinating Office (RCO) at the DOE Idaho Operations Office (DOE-ID) Warning Communications Center (WCC). However, calls may be directed to the DOE Headquarters Emergency Operations Center. As many essential details as possible are obtained regarding the incident from the caller and how he or she may be contacted. The DOE Region 6 24-hour emergency telephone number is:

DOE-ID WCC -- (208) 526-1515

5.2 Notifications within Region 6

The DOE Region 6 Regional Response Coordinator (RRC) or Contractor RAP Coordinator (CRC) will obtain all pertinent information about the incident, provide immediate guidance and advice, and initiate appropriate radiological assistance. The WCC Operator who receives the notification will complete the *DOE Region 6 Radiological Assistance Program Incident Report Information Form* (Appendix 4). As a minimum, the following information will be obtained:

- a. Nature of incident;
- b. Name, title, location and telephone number of person making the report;
- c. Time of incident;
- d. Location of incident;
- e. Accessibility of location;
- f. Fire or other hazard involvement;
- g. Urgency of response and seriousness of incident;
- h. Weather conditions;
- i. Personnel involved (injuries, contamination, etc.);
- j. Local, state, or federal agencies notified and on scene at the incident, and;
- k. News reports of the incident and whether false or exaggerated reports are known to have circulated.

The RRC will confer with the CRC regarding the request and nature of the incident and the need for RAP involvement before requesting deployment approval from the Regional Coordinating Office Director (RCOD) and notifying DOE-HQ/DP-23 and the appropriate federal, state, tribal, and if necessary, local authorities.

5.3 Limitations on Assistance

Unless there is a statutory requirement or existing agreement for DOE to respond, or DOE-owned radioactive materials are involved, RAP assistance may or may not be provided as described in Table 2.

TABLE 2

LIMITATIONS ON ASSISTANCE	
<u>"Not Normally Provided"</u> (5530.3)	<u>"Normally Provided When"</u>
"When it is more appropriate for the organization or individual requesting assistance to obtain state, local, tribal, or commercial services."	The appropriate agency has the capability to respond, but is not able due to other responses currently in progress or necessary resources are unavailable.
"When the state, tribal, or local resources are adequate for the situation."	Response capabilities are adequate to answer the request for assistance and mitigate the problem, but DOE is requested by state, local, or tribal authorities because of broader technical expertise. The potential exists for the escalation of the incident beyond the capabilities of the responding agency and warrants increased support as a precautionary measure.
"When the requested DOE resources are being used in responses to existing emergencies involving other DOE facilities or activities."	Response resources are being used to respond to an on-site incident at a DOE facility, but response elements can be restructured to provide a RAP response without lessening the on-site response capability. Should restructure be impossible, support from other RAP elements within DOE Region 6 will be deployed.
"In an off-site response (except in cases of an immediate threat to life and health) without a state, tribal, local government, or private entity request for assistance."	When it is known or suspected that DOE materials are involved thereby warranting an automatic RAP response.
"For nonradiological incidents."	The response team will only provide assistance in assessing the radiation hazard, survey for radioactive materials, and will not be a part of any recovery operation. In a mixed waste incident no radiation assessment will be performed until the chemical or physical hazard is rendered safe.
"When INEEL employees, visitors, or equipment have left the INEEL and are suspected of being radiologically contaminated."	If radioactive contamination is confirmed, the RCO will be activated and RAP resources will be deployed with the concurrence of the State of Idaho.

6. ORGANIZATIONS, ROLES AND RESPONSIBILITIES WITHIN DOE REGION 6 RAP

DOE Region 6 contains three DOE facilities that staff RAP Teams: the Idaho National Engineering and Environmental Laboratory (INEEL), Rocky Flats Environmental Technology Site (RFETS), and the Grand Junction Office (GJO). Each RAP Team becomes a DOE Region 6 RAP resource under the direction of the RCO when deployed.

Each DOE Region 6 RAP Team will consist of the positions and hierarchy shown in Figure 2.

6.1 Regional Coordinating Office (RCO)

DOE Idaho Operations Office (DOE-ID) is the Regional Coordinating Office (RCO) for the Radiological Assistance Program (RAP) within DOE Region 6. The DOE-ID Management Duty Officer will function as the Regional Coordinating Office Director (RCOD) during a Region 6 RAP response. DOE-ID will assign an individual as the Region 6 RAP Program Manager. The Region 6 RAP Program Manager also functions as the primary Regional Response Coordinator (RRC). There are seven RRC's trained and located within the RCO. RRCs are also cross-trained to function as RAP Team Leaders.

6.1.1 The DOE Region 6 RAP Program Manager's responsibilities are to:

- a. Participate as a member on the Regional Response Teams (RRT) within the region and in any regional radiological planning required by 40 CFR 300, *National Oil and Hazardous Substance Pollution Contingency Plan*.
- b. Require covered contractors to comply with the applicable provisions of DOE Order 5530.3, *Radiological Assistance Program* and the RAP Policy and Program Directive.
- c. Ensure that classification and Unclassified Controlled Nuclear Information (UCNI) guidance is prepared in accordance with DOE Order 5635.4, *Protection of Unclassified Controlled Nuclear Information* and DOE Order 5650.2B, *Identification of Classified Information*.

- d. Review and approve all regional RAP procedures.
- e. Prepare a separate report, with supporting documentation for each response that involves dispatching a RAP Team. One copy of this report will be maintained on file and one copy will be provided to DOE-HQ within 5 workdays after the response. Copies of the report will also be sent to the other RAP elements (INEEL, RFETS, GJO) within the region for informational purposes.
- f. Receive and review quarterly status, annual summary, and response reports from each RAP element.

6.1.2 The DOE Region 6 RRC responsibilities are to:

- a. Expedite dispatch of Region 6 RAP Teams upon approval from the RCOD to the scene of any incident for which there is a federal, state, local, tribal, institutional, or private sector request for radiological assistance. Concurrence and coordination of the response will be with the respective federal, state, tribal, and/or local agencies.
- b. Dispatch a RAP Team upon approval from the RCOD for radiological incidents for which DOE is, or thought to be, the Lead Federal Agency (LFA).
- c. Provide assistance and make recommendations to the RCOD.
- d. Ensure that notifications to DP-23 are completed as required in DOE Order 5530.3.
- e. Establish communications with other federal, state, local, and tribal agencies in the region that could participate in the response to radiological incidents.
- f. Request the establishment of a Federal Radiological Monitoring and Assessment Center (FRMAC), if incident conditions warrant.

**U.S. Department of Energy
Radiological Assistance Program
Region 6 -- Organization Chart**

Figure 2

6.2 Local Response Coordinator (LRC) Responsibilities

- a. The Rocky Flats Environmental Technology Site (RFETS) and the Grand Junction Office (GJO) in DOE Region 6 will assign a Local Response Coordinator (LRC)/Program Manager to direct and coordinate local RAP assets and response efforts as directed by the Regional Response Coordinator. For an INEEL RAP Team response, the RRC will also serve as the LRC.
- b. Expedite dispatch of their respective RAP Teams, upon notification by the RCO/RRC, to the scene of a radiological incident or place their respective RAP Team on "standby" upon notification by the RRC.
- c. Develop, review, and approve local RAP Team procedures. Ensure that such procedures are consistent with the Region 6 Response Plan and implementing procedures.
- d. Prepare local quarterly reports using the standardized report form with the format as detailed in the Region 6 RAP Management Plan. Response reports will include background information, response activities, a response summary, and lessons learned. All response documentation including the Incident Report Information Form, RRC Checklist, Team Leader Checklist, and all logs will be sent to the Region 6 Contractor RAP Coordinator (CRC) so they may be kept as part of the Region 6 RAP response file.

6.3 RAP Team Leader Responsibilities

- a. Complete and maintain standards of training outlined in the Region 6 RAP Management Plan and in regional procedures.
- b. Complete and maintain standards of training, as determined locally by the field office or contractor.
- c. Be cross-trained as the RRC at DOE-ID or LRC at DOE-RF or DOE-GJ.
- d. Participate in all drills, exercises, and responses.
- e. During the initial pre-deployment briefing with either the RRC or RAP Coordinator decide on which equipment is needed for the response. Direct the RAP Team Captain to verify that the required equipment is available for deployment and issued as necessary.

- f. Represent the DOE at an incident location as the Energy Senior Official (ESO) unless another ESO is designated.
- g. Maintain command and control of the RAP Team at an incident location.
- h. Interface with the Incident Commander (IC), either directly or through a command staff function. Complete the Team Leader's Briefing Summary, the Incident Commander's RAP Team Information Form, and follow the Team Leader Checklist.
- i. Present the completed Incident Commander's RAP Team Information Form to the IC or his designee at the initial briefing.
- j. Complete the Team Leader's Briefing Summary as an update during the initial briefing between the IC and the RAP Team Leader. Use this briefing summary to update the RCO/RRC upon completion of the IC briefing.
- k. Provide periodic information on incident status from the incident location to the RRC, either directly or through the LRC via conference call.
- l. Communicate an initial verbal report to the RRC and the LRC as soon as possible after his or her arrival at the incident scene.
- m. Request any additional resources required and provide a telephone number for future contact.
- n. Oversee a close-out debriefing and post-incident critique for each response, drill, or exercise and forward documentation to the Region 6 RAP Program Manager.
- o. Classify or concur with the classification of the event, if applicable and so note on the RAP Team Leader's Briefing Summary.

6.4 Region 6 RAP Contractor Support

The INEEL will provide a Contractor Radiological Assistance Program Coordinator and sufficient staff to coordinate Region 6 RAP functions.

The Radiological Assistance Program at the INEEL is separated from the INEEL on-site ERO programmatically, however, the INEEL ERO does provide necessary logistical support when the Radiological Assistance Program is activated.

6.4.1 Contractor Radiological Assistance Program Coordinator Responsibilities

The Contractor RAP Coordinator (CRC) will:

- a. Provide program management and coordination to assure proper program direction, compliance to requirements, and adherence to commitments.
- b. Ensure that radiological response personnel are trained, properly equipped, and available as needed to support emergency planning commitments and exercises with federal, state, local, and tribal authorities.
- c. Prepare and maintain the budget for DOE Region 6 RAP.
- d. Prepare and maintain INEEL RAP Team procedures.
- e. Prepare and maintain regional radiological assistance plans.
- f. Prepare and maintain all regional procedures relating to the DOE Region 6 RAP.
- g. Assemble and deploy a RAP Team to radiological incidents as directed by the Regional Response Coordinator.
- h. Prepare and submit to the Region 6 RAP Program Manager, quarterly and annual reports on regional RAP activities. Prepare and submit summaries as applicable for INEEL RAP Team response(s) or deployment(s). Each quarterly and annual report will be submitted on the standardized report form shown in the Region 6 RAP Management Plan.
- i. Provide with the concurrence of the Region 6 RAP Program Manager, to the degree practical, staff, equipment, advice, and facilities to assist other organizations in the development of radiological assistance response plans and capabilities.
- j. Maintain current rosters of trained DOE Region 6 RAP members, RAP Coordinators, and state and local emergency services personnel within the region.

6.5 Other Roles and Responsibilities

Specific roles of the RAP Team members are discussed in Region 6 RAP Procedure 006, Roles and Responsibilities.

7. REGION 6 RAP RESOURCES AND CAPABILITIES

The DOE, through contracting organizations, maintains a core of highly expert and qualified staff for the RAP. The actual radiological equipment and procedures are those developed for, and consistent with, existing DOE orders and guidance for normal operations and on-site radiological incidents and other off-site programs.

DOE Region 6 RAP Teams consist of DOE and contractor personnel who represent the fields of health physics, public affairs, safety, and emergency management. DOE Region 6 facilities maintain and store equipment and supplies dedicated to the RAP. The dedicated equipment is stored in kits for an immediate response capability. This equipment includes but is not limited to radiation detection instrumentation, radiological control supplies, personnel protective equipment, reference materials, and applicable forms.

Dedicated response vehicles are located at each Region 6 RAP element. All Region 6 RAP elements have the capability to respond with communications equipment, health physics instrumentation, radiological control equipment, and personnel protective equipment appropriate for responding to a radiological incident in the offsite environment.

The selection and composition of the RAP Team dispatched by the RRC are dependent upon a number of factors such as location, type, and severity of the incident; relative distances of the various responding RAP Teams and their respective capabilities.

RAP Teams are deployed in support of federal, state, local or tribal authorities and are not intended to direct actions at the scene or to assume command and control.

A Public Information Officer (PIO) may accompany a DOE Region 6 RAP Team to an incident scene, to function as the team's spokesperson. In the absence of this individual, the RAP Team Leader will function in this capacity. It is the policy of DOE that unclassified information about incidents is given to the public as soon as possible to avert fear or concern and to encourage public understanding.

At an incident scene, it is usually preferable to have announcements made by state, tribal, or local officials. Such announcements should emphasize that the DOE is providing technical assistance to local authority.

All public information released concerning accidents involving nuclear weapons or weapons components or special nuclear materials will be coordinated with the DOE Joint Nuclear Accident Coordinating Center (DOE-JNACC) prior to release.

7.1 RAP SCALED RESPONSE

The RAP Scaled Response (RSR) affords compliance with the concept of operations as stated in DOE Order 5530.3, Radiological Assistance Program "...RAP is designed so that DOE's response to a small incident can be scaled up smoothly for a major radiological emergency." RSR offers a cost-effective means by which all DOE facilities can provide radiological assistance to the local community and still be combined with other RAP resources to respond to radiological incidents at regional and national levels. The RSR logic ensures that a radiological response capability, except for major incidents requiring a Federal Radiological Monitoring and Assessment Center (FRMAC), is available to any Regional Coordinating Office (RCO).

RSR is broken into three types of responses:

- Local RAP Team
- Intra-Regional RAP Team(s)
- Inter-Regional RAP Team(s)
- Augmentation Teams (RAP + other DOE Assets)

Local RAP Teams provide assistance to radiological incidents as required. It is envisioned that the majority of RAP responses will be within the response capability of a local RAP Team. Should the capability of a local RAP Team be exceeded, other teams from within the region can be called to respond. This would include the need for additional radiation monitoring or where the length of the response will involve shift work.

Should the need arise for assets beyond the resources of the RCO, the Regional Response Coordinator (RRC) can request additional DOE resources.

RAP SCALED RESPONSE GRAPH

V97 0302

The RCO/RRC may:

1. Request assistance from adjacent RAP regions that may have:
 - a. A shorter "response time" due to geography or weather conditions
 - b. Additional manpower and/or equipment
 - c. Special radiological expertise appropriate to the incident.
2. Request DOE-HQ to activate and/or deploy other DOE emergency response assets (see below):

7.2 Other DOE Emergency Response Assets Available for the RCO

The RCO can request the RAP assets of other DOE regions, if the need exists. Requests are made in coordination with DOE Headquarters Emergency Operations Center (EOC) through the 24-hour telephone number. Depending on the magnitude of the incident, DOE may complement its resources with those of other federal agencies under the auspices of the FRERP, or augment response capabilities with the formation of a FRMAC, if warranted.

There are many specialized equipment capabilities located throughout the DOE contractor system that may be made available for specialized needs during radiological incidents. The members of the RAP Teams and the RRCs are knowledgeable about these assets.

These assets are listed here and discussed in the remainder of Section 7.

- a. Aerial Measuring System (AMS)
- b. Atmospheric Release Advisory Capability (ARAC)
- c. Federal Radiological Monitoring and Assessment Center (FRMAC)
- d. Radiological Emergency Assistance Center/Training Site (REAC/TS)
- e. Nuclear Emergency Search Team (NEST)
- f. Accident Response Group (ARG)

7.2.1 Aerial Measuring System (AMS) - DOE-NV

A DOE Nevada Operations Office (DOE-NV) contractor maintains a capability to provide aerial measurements of ground surfaces through gamma spectroscopy. They also have a capability to make in-plume air concentration measurements in case of a reactor accident release or a large area continuous release or contamination incident. The survey systems are staged from either helicopter or fixed-wing aircraft and are equipped with gamma or neutron detection equipment that can provide a timely initial estimate of concern to determine the extent of contamination areas that can be used to determine dose projections within those areas. Aerial photography can be performed simultaneously with isodose and isoconcentration curves plotted within a reasonable time frame after the initial incident. These resources are used primarily for making a rapid radiological assessment of a substantial land area and the analysis and identification of the radioactive emissions from a source. This measurement service is available at all times for emergency use for the entire DOE RAP.

7.2.2 Atmospheric Release Advisory Capability (ARAC) - LLNL

Another major DOE resource maintained at the Lawrence Livermore National Laboratories (LLNL) in Livermore, California is the Atmospheric Release Advisory Capability (ARAC). The purpose of this capability is to have, in a constant state of readiness, a predictive plume movement and dose projection tool for use at DOE facilities and production complex locations which can give real time dose projections in the areas around nuclear facilities. The DOE has developed this capability to be able to tap into real time weather patterns and data maintained by the National Weather Service and can link into this computer database anywhere in the country. ARAC uses computer programs which have operational models that can estimate the consequences of atmospheric releases of hazardous materials on a local, regional, or global basis. Depending on the availability of local weather data, ARAC can produce local (5-10 km) worst case estimates within minutes of notification of an incident and request for assistance. The initial information contained in the plume plots will be uncertain, but the best estimate of anticipated worst case isodose curves. These plots can be updated as more detailed site topography and weather data are transmitted to the ARAC center and incorporated in the dispersion analyses.

7.2.3 Federal Radiological Monitoring and Assessment Center (FRMAC) - DOE-NV

DOE-NV has the overall responsibility for management of DOE resources during a response to a major radiological incident. A major radiological incident exists when a request for DOE assistance from a DOE facility or any local, state, tribal, or other federal agency requires capabilities that exceed the DOE RCO's capabilities.

DOE-NV's role as the lead office during a major radiological incident is designed to integrate the capabilities available from DOE, state, and local governments, and other federal agencies through a field-based command post with standardized, flexible response capabilities. This command post is called the Federal Radiological Monitoring and Assessment Center (FRMAC).

The FRMAC is where all the federal agencies participating in or supporting radiological monitoring and assessment activities can direct and coordinate their efforts. DOE management and staff support, initiate, and maintain effective coordination of FRMAC operations with state, local, and/or tribal agencies. The purpose of FRMAC is to produce and compile, quality-controlled monitoring and assessment data for the LFA and the state, local, and/or tribal authorities.

A FRMAC can be established and fully operational within 24 hours from the time a request is received for assistance.

7.2.4 Radiation Emergency Assistance Center/Training Site (REAC/TS) - DOE-OR

The Radiation Emergency Assistance Center/Training Site (REAC/TS) is maintained by the DOE Oak Ridge Operations Office in the Methodist Medical Center, Oak Ridge, TN. It is a fixed facility serving as a definitive emergency care center for radiation accident victims.

The REAC/TS 24-hour response capabilities include, but are not limited to, providing a medical consultation team, consisting of approximately 30 people, as part of the DOE/DoD ARG and conducting research in cytogenetic dosimetry and the use of chelating agents.

7.2.5 Nuclear Emergency Search Team (NEST) - DOE-NV

The Nuclear Emergency Search Team (NEST) is managed by DOE-NV in Las Vegas, NV. NEST is prepared to locate nuclear weapons or to respond to the threat of nuclear terrorist activity. NEST, in conjunction with other federal agencies, would provide monitoring, assessment, and control in the event of weapons related threats.

7.2.6 Accident Response Group (ARG) - DOE-AL

The Accident Response Group (ARG) is managed by the DOE Albuquerque Operations Office (DOE-AL) in Albuquerque, NM and is prepared to respond to any nuclear weapons, weapon's components, or other special nuclear materials accident. Because of the proximity of Region 6 RAP Teams, they may reach the incident site prior to the arrival of an ARG team. In that case the Region 6 RAP Team will make contact with the Convoy Commander in Charge or other DOE or Department of Defense (DoD) official at the scene and will provide radiological monitoring and assessment until the arrival of an advance ARG team.

7.3 Other DOE Equipment Available to RAP

The DOE maintains a variety of mobile, sophisticated detection equipment and laboratories that can be deployed to the scene of a radiological incident. Listed below are two such pieces of equipment that RAP could use, if needed.

7.3.1 HOTSPOT Mobile Laboratory - LLNL

The DOE Albuquerque Operations Office Accident Response Group component at LLNL in Livermore, California, maintains a field deployable, air transportable radiochemical laboratory, HOTSPOT, for response to nuclear weapons incidents. This is used to analyze, identify, and document radioactive contamination at the scene of a weapons incident. The unit consists of two trucks and two trailers and is designed to be transported by one U.S. Air Force C-141 aircraft. Each of the two trucks and trailers carries specialized equipment and supplies.

This capability is available to the entire DOE RAP, through DOE-HQ/DP-20. The laboratory can support analyses of smear, soil, air, water, and vegetation samples in the event of a radiological incident. The counting laboratory trailer contains a 1024 channel, pulse height analyzer and other counting equipment for the analysis of radionuclides associated with weapons incidents.

Counting techniques supported by the laboratory are:

- Gross alpha, beta, and gamma
- Tritium counting
- Gamma spectroscopy
- Direct wound and thyroid counting.

The generator truck carries a 40 kW generator-powered heater and air conditioner combination for the trailer units. The other truck carries a diverse inventory workshop and a 250-gallon water tank.

7.3.2 RANGER - LANL

RANGER is a sophisticated ground contamination survey system capable of providing radiation levels and position for isodose curve plotting maintained by Los Alamos National Laboratory (LANL) for the DOE. The system uses the VIOLINIST-II detection system, a portable 256-channel analyzer, and a microprocessor.

The telemetry signals from the mobile instruments have a line-of-sight operational distance from the base station of 1 km or greater, depending on the terrain and level of vegetation.

RANGER can be deployed with minimum support equipment (e.g., anti-Cs). However, RANGER provides all its own power requirements in the field and is designed to operate under a number of environmental conditions (heat, cold, wet, and rugged terrain).

7.4 Joint Nuclear Accident Coordinating Center (JNACC)

The Department of Energy (DOE) and the Department of Defense (DoD) established the Joint Nuclear Accident Coordinating Center (JNACC) at the Defense Nuclear Agency located in Alexandria, Virginia, and at Kirtland Air Force Base (AFB) in Albuquerque, New Mexico, to handle all accidents involving nuclear weapons and components or radioactive materials identified as military property.

Requests to the Regional Coordinating Office (RCO) for assistance by DoD elements should be made through the Albuquerque Operations Office (DOE-JNACC), unless an immediate local response by the military is necessary to deal with the incident as soon as possible.

DOE-JNACC at Kirtland AFB must be informed, through the DOE Albuquerque Operations Office, when the radiological assistance capability of a Regional Coordinating Office is unavailable.

In case of an accident involving nuclear weapons, military vehicles suspected of carrying nuclear weapons, or radioactive materials identified as military property, the incident must be reported immediately to the nearest military installation, DOE office or JNACC (Phone # 505-845-4667).

The DOE and DoD have agreed on the following general divisions of responsibility between them in all cases of accidents involving nuclear weapons:

- a. Immediate responsibility for providing technical direction at the scene of an accident will be assumed by the first DoD or DOE official to arrive at the scene of the accident until relieved by appropriate authorities. Depending on ownership of the shipment will determine which agency will be the lead federal agency (LFA.)
- b. Primary command responsibility at the scene of the accident will be assumed by the branch of service or DOE having physical possession of the nuclear material at the time of the accident. Nuclear weapons are classified items and, as such, must be safeguarded at all times. Special agents accompanying shipments of nuclear material are the direct custodians of the material. While physically able, it is the special agent's responsibility to protect the material from loss or security compromise (i.e., viewing and handling by unauthorized persons).

The Convoy Commander in Charge is the Incident Commander for these types of shipments.

8. PROCEDURE FOR RAP TEAM ACTIVATION AND DEPLOYMENT

8.1 Notification of DOE Headquarters

The DOE Headquarters EOC and the DP-23 Duty Officer will be notified of the request for assistance and briefed on the incident by either the RCO or the RRC and :

- Within 15 minutes after receipt of a request for emergency assistance; and
- Within 15 minutes of off-site deployment of DOE/contractor personnel and resources for emergency radiological assistance;
- When DOE facilities or materials are involved or thought to be involved in an incident;
- When the responding RCO requests assistance from other RCO's, or regional offices of other federal agencies, or;
- When the incident may be subject to significant attention from the media.

8.2 Activation of a DOE Region 6 RAP Response

Depending on the scenario and incident location, other DOE facilities in DOE Region 6 may be called upon to respond to radiological incidents. Concurrent with RAP Team activation and assembly by any of these organizations, the WCC will be notified.

In unusual circumstances, another RCO may be requested through DOE-HQ/DP-23 by the Region 6 RCO to respond to a radiological incident within its borders, when the incident site is closer to the other RCO.

For requests involving licensee operations in DOE Region 6, the nearest Nuclear Regulatory Commission (NRC) office will be notified and provided with all available information regarding the request. The RRC will continue to coordinate the radiological assistance response action even when an NRC representative is at the incident scene, unless the NRC is the LFA.

The CRC will continue to coordinate and supplement the incident response with the concurrence of the RRC until the incident is considered terminated.

8.2.1 RAP Team Deployment Criteria

Upon conference with the RRC and CRC, the RCOD will direct the appropriate DOE Region 6 response to a radiological incident. The RCOD may request deployment of RAP Teams from other DOE Region 6 facilities, as needed. The Managers of those facilities will approve deployment. The RCOD with concurrence and recommendation from the RRC will determine the extent of a RAP Team response. The RCOD will order RAP Team deployment based on the extent/magnitude of the incident and upon the following requirements for RAP deployment:

Requirements to Deploy a RAP Team

- Approval of the Regional Coordinating Office Director for:
 - Incidents involving DOE/DoD radiological material.
 - Requests from state or a tribe, or local, or state concurrence for a local or private individual request for radiological assistance.
 - As required by an existing Memorandum Of Understanding (MOU) or other formal agreement.

The RCOD will evaluate the available information and with advice from the RRC, the CRC, and the applicable Local Response Coordinator (LRC) decide whether DOE, other federal agencies, and/or state resources should be used to respond to the request for assistance.

If the incident report indicates a significant, or potentially significant, radiation hazard to personnel, the RCOD will direct the RRC or CRC to begin to assemble a RAP Team from the most appropriate DOE Region 6 facility. While the team is being assembled, additional information on the incident will be gathered prior to team dispatch.

A RAP Team will respond to offsite incidents involving DOE and non-DOE owned radiological materials. Such responses include DOE transportation incidents, and other federal agencies state, tribal, and private sector requests for assistance. In all such cases, the RRC is to be notified.

8.3 DOE-ID Emergency Operations Center (EOC)

The RCOD may decide to activate the DOE-ID Emergency Operations Center (EOC). If so, the EOC Support Director will take action to have the appropriate support personnel take positions in the EOC. If the EOC is activated, the response is directed by the RCOD.

INEEL support personnel with management expertise and special skills appropriate to the particular incident are assembled in the EOC. EOC support personnel may include legal, ES&H, security, public affairs, transportation, logistics, management support representatives, and other personnel as appropriate.

The RCOD, with the help of the RRC and other support personnel will direct the overall assistance activities. The EOC becomes the crisis command center for decision making and for logistical support to make resources available to provide assistance for mitigation of the accident or crisis.

8.3.1 Rocky Flats Emergency Operations Center (EOC)

The Rocky Flats EOC will be activated in support of a DOE Region 6, Rocky Flats RAP Team response. The EOC may be activated to provide technical assistance upon the request of the RCO, if deemed appropriate, even if the Rocky Flats RAP is not mobilized. The level of staffing will be on a case by case basis depending on existing incident conditions.

The Rocky Flats LRC will coordinate his or her decisions and actions through the RCO EOC. The RCO EOC will have the final decision on RAP Team activities through agreement of the RCOD, the RRC, and concurrence of the Rocky Flats LRC.

8.3.2 Grand Junction Emergency Operations Center (EOC)

The Grand Junction EOC will be activated in support of a DOE Region 6, Grand Junction RAP Team response. The EOC may be activated to provide technical assistance upon the request of the RCO if deemed appropriate, even if the Grand Junction RAP isn't mobilized. The level of staffing will be on a case by case basis depending on existing incident conditions.

The Grand Junction LRC will coordinate his or her decisions and actions through the RCO EOC. The RCO EOC will have the final decision on RAP Team activities through agreement of the RCOD, the RRC, and concurrence of the Grand Junction LRC.

8.4 Transportation

The mode of travel to an incident scene is determined by a number of factors such as the location, severity and urgency of the situation, distance from the Idaho Falls, the Denver/Golden, or the Grand Junction areas, time of day (regular or nonregular working hours), weather conditions, etc.

It is the responsibility of the RRC with the assistance of the CRC to determine the most expeditious mode of transportation. If non-dedicated motor vehicles are used then the RRC or CRC will work with the RAP Team Leader to find the necessary transportation. This may include hiring a charter aircraft, arranging for commercial air travel, use of DOE or DoD aircraft, and arranging for ground transportation at the arrival point.

A decision will be made with the concurrence of RFETS or GJO LRCs, if applicable, on the mode of travel. The following paragraphs identify criteria for which mode of transportation may be applicable:

A. Motor Vehicle

For incidents occurring within 250 miles of the respective field offices, RAP Teams will normally use a radio-equipped government vehicle.

B. Aircraft

For RAP Teams responding to incidents occurring greater than 250 miles from the field offices, air transportation will be considered (weather permitting).

a. Charter or Contract Aircraft

Charter or contract aircraft services may be used to dispatch a Region 6 RAP Team anywhere on short notice.

b. Commercial Aircraft

Commercial air flight arrangements from each respective operations office will be coordinated by the responsible operations office.

c. DOE-Owned Aircraft

DOE-AL controls Ross Air Lines, located at Kirtland Air Force Base in Albuquerque, NM, and can be used to transport RAP Teams whenever possible.

d. DoD Aircraft

If an incident requires an immediate response and the other modes of transportation are not available, then the DoD will be requested to provide air transportation from either Hill Air Force Base in Utah or Mountain Home Air Force Base in Idaho.

8.5 Response Termination

- A. When the RAP Team(s) is released by the Incident Commander with the concurrence of the RAP Team Leader and RRC, the RAP Team(s) will return to base at the earliest possible time. The earliest possible time is dependent on weather and/or availability of adequate transportation.
- B. The Rap Team Leader will notify the RRC through WCC that the team has departed the incident scene and is returning to base. When the RAP Team(s) has reached their home base, the RAP Team Leader will notify WCC and request that the RRC and DOE-HQ be notified of their return.

APPENDIX 1

DOE REGION 6 EMERGENCY NUMBERS

	<u>Business Number</u>	<u>Off-Duty Number</u>
Idaho National Engineering Laboratory (INEEL Warning Communications Center) 24-Hour Number	(208) 526-1515	
<u>Regional Response Coordinators</u>		
DOE Region 6 RAP Program Manager & Primary RRC		
Steven A. Morreale, DOE-ID	(208) 526-0199	(208) 526-1515
	Pager (208) 526-4444:5905	
	Fax (208) 526-7245	
Alternate Contacts:		
Richard Dickson	(208) 526-0107	(208) 526-1515
	Pager (208) 526-4444:6018	
	Fax (208) 526-1926	
John Medema	(208) 526-1407	(208) 526-1515
	Pager (208) 526-4444:7562	
	Fax (208) 526-0160	
Don Michaelson	(208) 526-5325	(208) 526-1515
	Pager (208) 526-4444:5575	
	Fax (208) 526-4276	
Patrick Smith	(208) 526-0194	(208) 526-1515
	Pager (208) 526-4444:5582	
	Fax (208) 526-5918	
Pam Waagen	(208) 526-1565	(208) 526-1515
	Pager (208) 526-4444:6111	
	Fax (208) 526-7407	
Ken Whitham	(208) 526-4151	(208) 526-1515
	Pager (208) 526-4444:7304	
	Fax (208) 526-7414	

APPENDIX 1
DOE REGION 6
EMERGENCY NUMBERS

	<u>Business Number</u>	<u>Off-Duty Number</u>
<u>DOE Region 6/INEEL RAP</u>		
DOE Region 6 Contractor RAP Coordinator		
Frank M. Jakubowski	(208) 526-2550	(208) 526-1515
	Pager (208) 526-4444:5496	
	Fax (208) 526-7143	
 <u>Alternate Contacts:</u>		
Gregory G. Hall	(208) 526-8663	(208) 526-1515
	Pager (208) 526-4444:6555	
	Fax (208) 526-3787	
 Henry K. Peterson	 (208) 526-8657	 (208) 526-1515
	Pager (208) 526-4444:6560	
	Fax (208) 526-9822	
 Paul E. Ruhter	 (208) 526-1973	 (208) 526-1515
	Pager (208) 526-4444:6165	
	Fax (208) 526-4759	

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DOE REGION 6

EMERGENCY NUMBERS

	<u>Business Number</u>	<u>Off-Duty Number</u>
Rocky Flats Environmental Technology Site		
24-Hour Number	(303) 966-2914	
<u>DOE-Rocky Flats</u>		
LRC/Program Manager		
Peg Melberg	(303) 966-6585	(303) 966-2914
	Pager (303) 966-4000:5036	
	Fax (303) 966-4763	
 Alternate Contact:		
Delmar Noyes	(303) 966-3001	(303) 966-2914
	Pager (303) 966-4000:5032	
	Fax (303) 966-4629	
 <u>Rocky Flats Environmental Technology Site</u>		
RAP Administrator		
Tom Milburn	(303) 966-3507	(303) 966-2914
	Pager (303) 966-4000:8095	
	Fax (303) 966-5206	
 Alternate Contact:		
Wayne Spiegel	(303) 966-5400	(303) 966-2914
	Pager (303) 966-4000:8018	
	Fax (303) 966-5206	

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DOE REGION 6
EMERGENCY NUMBERS

	<u>Business Number</u>	<u>Off-Duty Number</u>
Grand Junction Office		
24-Hour Number	(970) 248-6070	
24-Hour Fax	(970) 248-6040	
<u>DOE-Grand Junction Office</u>		
LRC/Program Manager		
Bo Kim	(970) 248-7620	(970) 248-6070
Pager	(970) 257-3297	
Fax	(970) 248-6040	
Alternate Contact:		
Bennett Young	(970) 248-6036	(970) 248-6070
Pager	(970) 256-5235	
Fax	(970) 248-6040	
<u>WASTREN</u>		
RAP Administrator		
Chris Brownlee	(970) 248-6707	(970) 248-6070
Pager	(970) 256-5218	
Fax	(970) 248-6040	
Vince King	(970) 248-6786	(970) 248-6070
Pager	(970) 257-4227	
Fax	(970) 248-6040	
Jeff Lively	(970) 248-7780	(970) 248-6070
Pager	(970) 257-4302	
Fax	(970) 248-6040	
USDOE Headquarters	(202) 586-8100	
24-Hour Number		

APPENDIX 1

DOE REGION 6 EMERGENCY NUMBERS

<u>Other Emergency Response Organizations</u>	<u>Business Number</u>
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U.S. ENVIRONMENTAL PROTECTION AGENCY

Region 8

999-18th St, Suite 500

Denver, CO 80202-2466

(303) 312-6312

Region 10

1200 6th Ave

Seattle, WA 98101

(206) 553-1692

FEDERAL BUREAU OF INVESTIGATION

1820 East 17th St.

Idaho Falls, ID 83402

(208) 522-5921

Suite 1200, 257 Tower Building

257 East 200 South

Salt Lake City, UT 84111

(801) 579-1400

Federal Office Building, Suite 1823

1961 Stout St, 18th Floor

Denver, CO 80294

(303) 629-7171

FEDERAL EMERGENCY MANAGEMENT AGENCY

Region 8

Federal Regional Center Building

Building 710

Denver, CO 80225

(303) 235-4811

Region 10

130 228th St, S.W.

Bothell, WA 98021

(206) 487-8800

APPENDIX 1
DOE REGION 6
EMERGENCY NUMBERS

Other Emergency Response Organizations

Business Number

DEPARTMENT OF AGRICULTURE

Mountain Plains Region (Denver, CO)

(303) 844-0300

Western Region (San Francisco, CA)

(415) 705-1310

DEPARTMENT OF COMMERCE (National Oceanic and Atmospheric Administration)

National Weather Service

7600 Sand Point Way, N.E. BIN-C15700

Seattle, WA 98115

(206) 526-6026

National Weather Service

325 Broadway

Boulder, CO 80303

(303) 497-6431

National Weather Service

Western Region

P.O. Box 1118

Federal Building

Salt Lake City, UT 84147-0188

(801) 524-5122

DEPARTMENT OF DEFENSE

Defense Nuclear Agency

Field Command

1680 Texas St., S.E.

Kirtland AFB, NM 87117-5669

(505) 846-9561

APPENDIX 1

DOE REGION 6 EMERGENCY NUMBERS

<u>Other Emergency Response Organizations</u>	<u>Business Number</u>
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DEPARTMENT OF INTERIOR (Bureau of Land Management)

Region 3

222 North 32nd St.

P.O. Box 36800

Billings, MT 59107

(406) 255-2904

Region 4

3380 Americana Terrace

Boise, ID 83706

(208) 384-3001

Region 5

2515 Warren Ave.

P.O. Box 1828

Cheyenne, WY 82003

(307) 772-2111

Region 6

2850 Youngfield St.

Lakewood, CO 80215

(303) 236-1700

Region 11

324 South State St.

301 CFS Financial Center Bldg..

Salt Lake City, UT 84111

(801) 539-4021

APPENDIX 1
DOE REGION 6
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Other Emergency Response Organizations

Business Number

DEPARTMENT OF TRANSPORTATION (Federal Highway Administration)

Region 8

555 Zang St.

Lakewood, CO 80228

(303) 969-6722

Region 10

708 Southwest 3rd Ave.

Portland, OR 97204

(503) 326-2053

HEALTH AND HUMAN SERVICES

Region 8

1961 Stout St.

Denver, CO 80294

(303) 844-3372

Region 10

2201 6th Ave.

Seattle, WA 98121

(206) 442-0420

U.S. NUCLEAR REGULATORY COMMISSION

Region 4

611 Ryan Plaza Drive, Suite 400

Arlington, TX 76011-8064

(817) 860-8225

OTHERS

Joint Nuclear Accident Coordinating Center (JNACC)

DOE-JNACC (Albuquerque, NM)

(505) 845-4667

DOD-JNACC (Alexandria, VA)

(703) 325-2102

CHEMTREC (24-hour)

(800) 424-9300

APPENDIX 2

STATE RADIOLOGICAL HEALTH AGENCIES IN DOE REGION 6

COLORADO

Business Number

Colorado Department of Public Health & Environment (CDPHE)

4210 East 11th Avenue

Denver, CO 80220

(303) 692-2000

Point of Contact

CDPHE Emergency Management Unit

State 24-Hour Emergency Number

(303) 756-4455

(303) 890-1669

CDPHE Radiation Control Division

(303) 692-3030

CDPHE Hazardous Waste Division

(303) 692-3300

Environmental Radiation

(303) 692-3051

Colorado State Patrol Communications Center

(24 HR)

(303) 239-4532

Colorado Office of Emergency Management

(State EOC)

(303) 279-8855

APPENDIX 2

STATE RADIOLOGICAL HEALTH AGENCIES IN DOE REGION 6

IDAHO

Idaho Department of Health and Welfare
LBJ Building
650 West State
Boise, ID 83720

Division of Environmental Quality (208) 334-5893

Bureau of Hazardous Materials (208) 334-5879

Bureau of Disaster Services (208) 334-3460

Compliance Section - Radiation Control (208) 334-5500

Idaho State Police (24-Hour Numbers) (208) 334-3649
(208) 334-2900

Emergency Medical Services
State Communications (24 HR) (800) 632-8000

MONTANA

Montana Department of Health and Environmental Services
Occupational Health Bureau
W. F. Cogswell Building
Helena, MT 59601

Occupational Health Bureau (406) 444-3671
(406) 442-7491

APPENDIX 2

STATE RADIOLOGICAL HEALTH AGENCIES IN DOE REGION 6

UTAH

Business Number

Primary Contact:

Emergency Response Officer (24 HR) (801)538-3400

Utah Department of Environmental Quality (DEQ)

Division of Radiation Control (DRC)

168 North 1950 West

P.O. Box 144850

Salt Lake City, UT 84114-4850

DRC Office (Voice) (8am-5pm M-F) (801)536-4250

DRC Office (Fax) (801)531-8128

DEQ (24 HR) (801)536-4123

Utah Department of Public Safety

Utah Highway Patrol, Hazmat Section (UHP)

4501 South 2700 West

Salt Lake City, Utah 84119

UHP Salt Lake City Dispatch Center (801)576-8606

UHP Office (Voice) (8am-5pm M-F) (801)965-4089

UHP Office (Fax) (801)965-4716

Utah Department of Public Safety

Division of Comprehensive Emergency Management (CEM)

State Office Building, Room 1110

Salt Lake City, Utah 84114

CEM Office (Voice) (24 HR) (801)538-3400

CEM Office (Fax) (801)538-3770

APPENDIX 2

STATE RADIOLOGICAL HEALTH AGENCIES IN DOE REGION 6

WYOMING

Business Number

Wyoming Department of Health and Medical Services

State Office Building

Cheyenne, WY 82001

(307) 777-6015

Point of Contact

Wyoming Highway Patrol

(307) 777-4321

Within Wyoming

(800) 442-9090

Cellular

#HELP

APPENDIX 3

NATIVE AMERICAN ORGANIZATIONS WITHIN DOE REGION 6

COLORADO

Southern Ute Tribe
P.O. Box 737
Ignacio, CO 81137
(303) 563-4525

Ute Mountain Ute Tribe
P.O. Box 52
Towaoc, CO 81334
(303) 565-3751

IDAHO

Coeur D'Alene Tribal Council
Plummer, ID 83851-9704
(208) 274-3101

Shoshone-Bannock Tribes
Fort Hall Indian Reservation
P.O. Box 306
Fort Hall, ID 83203
(208) 238-3700

Nez Perce Tribe of Idaho
P.O. Box 305
Lapwai, ID 83540
(208) 843-2253

Kootenai Tribe of Idaho
P.O. Box 1269
County Road 38A
Bonners Ferry, ID 83805
(208) 267-3519

MONTANA

Blackfeet Nation
P.O. Box 850
Browning, MT 59417
(406) 388-7276

Fort Belknap Community Council
R.R. 1, Box 66
Fort Belknap Agency
Harlem, MT 59526
(406) 353-2205

Chippewa Cree Business Committee
Box 137
Box Elder, MT 59521
(406) 395-4282

Fort Peck Assiniboine and Sioux Tribes
P.O. Box 1027
Poplar, MT 59255
(406) 768-5311

APPENDIX 3

NATIVE AMERICAN ORGANIZATIONS WITHIN DOE REGION 6

Confederated Salish and Kootenai Tribes
P.O. Box 278
Pablo, MT 59855
(406) 675-2700

Northern Cheyenne Tribe
P.O. Box 128
Lame Deer, MT 59043
(406) 477-6248

Crow Tribe of Indians
P.O. Box 159
Crow Agency, MT 59022
(406) 638-2601

UTAH

Confederated Tribes of the Goshute Reservation
P.O. Box 6104
Ibapah, UT 84034
(801) 234-1138

Paiute Tribe of Utah
600 North 100 East
Cedar City, UT 84720
(801) 586-1111

Northwestern Band of Shoshoni Nation
P.O. Box 637
Blackfoot, ID 83221
(208) 238-0916

Uintah and Ouray Ute Tribe
P.O. Box 130
Fort Duchesne, UT 84026
(801) 722-2406

WYOMING

Arapahoe Tribe
P.O. Box 217
Fort Washakie, WY 82514
(307) 332-6120

Eastern Shoshone Tribe
P.O. Box 538
Fort Washakie, WY 82514
(307) 332-3532

APPENDIX 3

NATIVE AMERICAN ORGANIZATIONS WITHIN DOE REGION 6

Bureau of Indian Affairs Area Offices

Albuquerque Area Office
(CO and NM)
Bureau of Indian Affairs
615 First St., N.W.
P.O. Box 26567
Albuquerque, NM 87125
(505) 766-3170

Phoenix Area Office
(AZ, NV, UT, CA, and ID)
Bureau of Indian Affairs
No. 1 North First St.
P.O. Box 10
Phoenix, AZ 85011
(602) 379-6600

- Billings Area Office
(MT and WY)
Bureau of Indian Affairs
316 North 26th St
Billings, MT 59101
(406) 657-6315

(Navajo Residents only, AZ, UT, and NM)
Bureau of Indian Affairs
P.O. Box M
Window Rock, AZ 86515
(602) 871-5151

Portland Area Office
(OR, WA, and ID)
Bureau of Indian Affairs
1425 Irving St., N.E.
P.O. Box 3785
Portland, OR 97208
(503) 231-6702

**APPENDIX 4
DOE REGION 6
RADIOLOGICAL ASSISTANCE PROGRAM
INCIDENT REPORT INFORMATION FORM**

Time of Call: _____ Date: _____ WCC Operator: _____

Caller/Organization: _____

Caller Location: _____ Call Back Phone Number: _____

****STOP****

Is this a request for radiological assistance?

(Y)____ (If YES, stop and page the RRC before continuing.)

Page the On-Duty Regional Response Coordinator and Contractor Response Coordinator. Time: _____

(N)____ (If NO, then this form is not to be completed and the caller referred to the appropriate point of contact.)

1. Type Incident

- ()A. TRU waste transport
- ()B. Radioactive materials transport
- ()C. Nuclear weapon accident
- ()D. Research facility
- ()E. Nuclear reactor
- ()F. Other

2. Incident Date: _____ Incident Time: _____

3. Location of incident: State: _____ City: _____ County: _____

Interstate/Hwy: _____ Address: _____ Other: _____

4. Brief details of incident: _____

****CONTINUE****

Complete the remainder of this form.

5. Is fire involved: _____

6. Other hazardous materials: _____

7. Has a cordon/exclusion area been established at scene:
() Yes () No

8. Known radionuclides: _____

9. Weather conditions: _____
- Wind speed: _____ MPH Wind direction: _____ Degrees
10. Casualties involved: (include number in brackets)
- () A. Injuries
 - () B. Contaminations
 - () C. Deaths
 - () D. Other
 - () E. None
- Comments: _____
- _____
- _____
11. Responders currently at the scene: (check if appropriate)
- () A. State police
 - () B. County sheriff
 - () C. Fire department
 - () D. Radiation control personnel
 - () E. City police
 - () F. Ambulance/emergency rescue
 - () G. Trained carrier
 - () H. Other _____
12. Incident classification:
Incident commander classification: _____
13. State, tribal, or other federal agencies notified: States: _____
Tribal: _____ Federal: _____
- _____
- _____
14. News media incident reports - Are there false or exaggerated reports: _____
- _____
- _____

ACTIONS TAKEN BY RECEIVER OF CALL

State, tribal, and/or federal agencies notified after call: _____

Radiological assistance program team response: _____

**Provide a copy of this form to the Regional Response Coordinator
and the Contractor Response Coordinator.**

APPENDIX 5

OTHER APPLICABLE REGION MAPS

1. DOE Field Facilities and Operations
2. Department of Energy, Regional Coordinating Offices for Radiological Assistance and Geographical Areas of Responsibility
3. DOE Region 6 Areas of Responsibility
4. Locations of DOE Radiological Assistance Program Teams
5. Federal Emergency Management Agency, Regional Boundaries
6. Administrative Organization of the National Weather Service
7. Nuclear Regulatory Commission, Regional Office Locations
8. U.S. Environmental Protection Agency, Major Installations
9. Health and Human Services, The Food and Drug Administration, Regions and Districts

DOE Field Facilities and Operations

Regional Coordinating Offices

Regional Coordinating Office	Post Office Address	Telephone 24-hour Number
1) Brookhaven Area Office	Upton, L.I., NY 11973	(516) 282-2200
2) Oak Ridge Operations Office	P.O. Box E, Oak Ridge, TN 37830	(423) 576-1005
3) Savannah River Operations Office	P.O. Box A, Aiken, SC 29801	(803) 725-3333
4) Albuquerque Operations Office	P.O. Box 5400, Albuquerque, NM 87115	(505) 845-4667
5) Chicago Operations Office	9800 S. Cass Ave., Argonne, IL 60439	(630) 252-5731
6) Idaho Operations Office	850 Energy Drive, Idaho Falls, ID 83402	(208) 526-1515
7) Oakland Operations Office	1333 Broadway, Oakland, CA 94612	(415) 273-4237
8) Richland Operations Office	P.O. Box 550, Richland, WA 99352	(509) 373-3800

Region 6 RAP Elements Geographic Areas of Responsibility

★ INEEL RAP Team

▲ Grand Junction Office RAP Team

■ Rocky Flats Environmental Technology Site RAP Team

V97 0303

Locations of Radiological Assistance Program Teams Department of Energy

• Radiological Assistance Program Teams

■ Field Offices

V97 0304

Federal Emergency Management Agency Regional Boundaries

Administrative Organization of the National Weather Service

Nuclear Regulatory Commission Regional Office Locations

U.S. Environmental Protection Agency Major Installations

The Food and Drug Administration
Regions and Districts

Regions and Districts:

- I: New England
- II: Mid-Atlantic
- III: Southeast (Baltimore)
- IV: South (Atlanta)
- V: Midwest (Chicago)
- VI: West (Dallas)
- VII: Central (Kansas City)
- VIII: Mountain West (Denver)
- IX: Southwest (San Francisco)
- X: Northwest (Seattle)

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