

SAFEGUARDS INFORMATION

6/23/89
Designated Original

54A

JAN 23 1989

Please return to:
Gloria Bennington
WF 4E4

SGTB:CRH
05000186780R

University of Missouri
ATTN: Mr. Roland A. Hultsch
Reactor Physicist
Research Reactor Facility
Research Park
Columbia, MO 65211

Gentlemen:

This is in regard to a request for approval of a route to be used for transport of spent reactor fuel as contained in your letter of July 28, 1988.

The route from the University of Missouri Campus, Columbia, Missouri to the DOE Idaho National Engineering Laboratory, Idaho Falls, Idaho, as requested in your letter, is judged to meet the regulatory requirements in accordance with 10 CFR 73.37 for shipment of spent fuel and is approved. In the event your carrier is required to deviate from the approved route, please call the contact listed on page 2 of this letter as soon as possible providing the details.

Arrangements with law enforcement agencies along the route as required by 10 CFR 73.37 (a)(2) have been completed by the NRC staff. Data relating to these arrangements and a copy of the approved route are enclosed. This information is to be incorporated into your shipment plans and provided to your carrier along with instructions regarding its use.

Please note that assuring highway safety is the responsibility of the licensee and carrier and our approval is not intended to provide relief in this regard.

During seasonal periods when inclement weather with accompanying hazardous road conditions can occur with short notice, the appropriate state police should be contacted with regard to road conditions before a shipment commences.

Please note that the notification requirements of 10 CFR 73.37(f) and 73.72 for each shipment still apply. When making a notification to a governor or his designee, it should be very specific especially with regard to notification of series shipments. Written notification must designate exactly how many individual shipments are to be included. In the event the number of shipments in a series is revised, the change notification should indicate that it is a revision of the

Document Transmitted Herewith
Contains Safeguards Information

UPON REMOVAL OF ATTACHMENT THIS DOCUMENT IS:
decontrolled

8902010175XA

SAFEGUARDS INFORMATION

Enclosure has been sanitized.

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-2-

JAN 23 1989

Mr. Hultsch

original notification and an increase or decrease in the number of shipments. In addition, the change notification should specify that the information for any of the shipments in the revised series may not be decontrolled until ten days after the arrival at the destination of the last shipment in that series.

Should you require additional information or have questions concerning this matter, please contact Charles Hillman of my staff at (301) 492-0488.

Sincerely,

151 Charles E. MacDonald

Charles E. MacDonald, Chief
Transportation Branch
Division of Safeguards and
Transportation, NMSS

Enclosure:
As stated

Columbia/Idaho Falls (54A)
05000186780R

DISTRIBUTION:

w/enclosure	w/o enclosure
Docket File 50-186	NMSS r/f
Case File 50-186	SGTB r/f
Region III	RFonner
Region IV	LCRouse
	DWeiss
	CHillman
	JCook
	RBurnett
	CMacDonald

PDR (Santized)

DFC: SGTB	: SGTB	: SGTB	:	:	:	:
NAME: CHillman	: JCook	: CMacDonald:	:	:	:	:
DATE: 01/13/89	: 01/17/89/	: 01/23/89	:	:	:	:

OFFICIAL RECORD COPY

SPENT NUCLEAR FUEL ROUTE SURVEY
UNIVERSITY OF MISSOURI
COLUMBIA, MISSOURI
TO
DOE IDAHO NATIONAL ENGINEERING LABORATORY
IDAHO FALLS, IDAHO
SEPTEMBER 1988

SUMMARY OF LEA RESPONSE CAPABILITIES AND SAFE HAVENS

ROAD TRANSPORTATION ROUTE

COLUMBIA, MO TO IDAHO FALLS, ID

NOTE: Safe havens are indicated on the route strip charts by a lower case letter of the alphabet in parenthesis. These safe havens were designated by the NRC route analysis teams with the assistance of law enforcement agencies along the route, as available, for temporary refuge until appropriate assistance arrives. The basic criteria used to identify a safe haven were availability of a large parking area, nighttime lighting, where possible, and rapid law enforcement response to the safe haven.

Should a safe haven be required, refer to the following state summaries for specific identification and location.

ROAD TRANSPORTATION ROUTE

UNIVERSITY OF MISSOURI, COLUMBIA, MISSOURI
TO
DOE IDAHO NATIONAL ENGINEERING LABORATORY, IDAHO FALLS, IDAHO

MISSOURI

1.	MO-740 west and north to I-70	4.0 miles
2.	I-70 west to I-435	117.0 miles
3.	I-435 north to I-29	27.0 miles
4.	I-29 north to Iowa state line	110.0 miles
	Subtotal	258.0 miles

IOWA

5.	I-29 north to I-80	43.0 miles
6.	I-80 northeast to I-680	19.0 miles
7.	I-680 west to Nebraska state line	3.0 miles
	Subtotal	65.0 miles

NEBRASKA

8.	I-680 west to I-80	14.0 miles
9.	I-80 west to Wyoming state line	452.0 miles
	Subtotal	466.0 miles

WYOMING

10.	I-80 west to Utah state line	404.0 miles
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UTAH

11.	I-80 west to I-84	29.0 miles
12.	I-84 north to I-15	35.0 miles
13.	I-15 north to Idaho state line	56.0 miles
	Subtotal	120.0 miles

IDAHO

14.	I-15 north to US-26	92.0 miles
15.	US-26 northwest to US-20	34.0 miles
16.	US-20 west to Idaho National Engineering Laboratory	3.5 miles
	Subtotal	129.5 miles

TOTAL MILES 1,442.5 miles

FOOD AND FUEL STOPSCOLUMBIA, MO TO IDAHO FALLS, ID

The businesses and locations listed below were identified by the WRC route analysis teams as possible food and fuel stops. All possible stops along the route are not listed. Only a few of the locations were visited by the WRC teams. In order to be listed, food and fuel stops were required to be close to the route.

MISSOURI

1. Derby Truck Stop (open 24 hours). Three miles west of Columbia at milemarker (mm) 122, Boone County.
2. Shell Truck Stop. Located at State Highway B exit, mm 104, Howard County.
3. Skelly Truck Stop, Loethen Oil Co., Inc. I-70, exit 74, Saline County.
4. Union 76 Truck Stop. I-70, exit 28, 1 mile west of Jackson County line, Jackson County.
5. Farris Mid-Continent Truck Stop, Phillips 66. I-29, exit 35, 4 miles north of Buchanan County line, Buchanan County.
6. Weidmaier Truck Stop, Skelly. I-29, mm 44, 13 miles north of Buchanan County line, Buchanan County.
7. Mid-Continent Truck Stop, Phillips 66. I-29, exit 79 at MO Route 159 exit, Holt County.
8. Skelly Truck Stop. I-29, exit 110, Atchison County.

IOWA

No food and fuel services identified.

NEBRASKA

1. Sapp Brothers Truck Stop/Phillips 66. I-80, exit 440, Sarpy County.
2. Greenwood Truck Plaza/Standard Oil. I-80, exit 420, Cass County.
3. Grant's Truck and Car Stop. I-80, exit 363, York County.
4. Bosselman's Truck Plaza/Standard Oil. US-34 at I-80, Grand Island, Hall County.
5. Wood River Truck Plaza/Skelly Oil. I-80, exit 300, Wood River, Hall County.
6. Multiple Truck Stops. I-80, North Platte, Lincoln County.
7. Union 76 Truck Stop. I-80, exit 126, Ogallala, Keith County.

FOOD AND FUEL STOPS (Continued)WYOMING

1. Truck Stop. I-80 milemarker (mm) 388, Antelope, Laramie County.
2. Multiple Truck Stops. Cheyenne, Laramie County.
3. Truck Stop. I-80, Walcott exit, Carbon County.
4. Multiple Truck Stops. I-80, Rawlins, Carbon County.
5. Multiple Truck Stops. I-80, Rock Springs, Sweetwater County.

UTAH

1. Flying J Truck Stop. Ogden, I-80/15, 21st Street exit, Weber County.
2. Cross Roads Truck Stop. Near Tremonton, I-15, 2 miles north of I-80/15 split, Box Elder County.

IDAHO

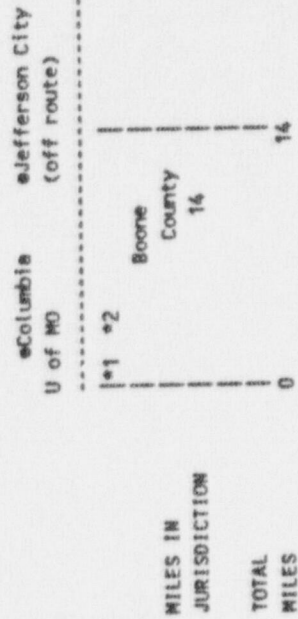
1. Flags West Truck Stop. I-15, mm 31, Melad City, Oneida County.
2. Paris Truck Stop. I-15, exit 67, Pocatello, Bannock County.

Statewide Emergency Number: 1-800-525-5555#

COLUMBIA Jefferson City
S (314) 636-5171
874-7506

Comm: MT ☐ CR 9, R

LEA: S



KEY ---

● LEA Response Center
HP/SP Highway Patrol/State Police
S Sheriff
CP City Police
C/P County Police
CB Radio Monitored (Base)
CB Radio Monitored (Car)
Channel Monitored
React Group
Mobile Telephone (Useable)
Escort Required

ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

- *01. Campus on MO-740 west and north to I-70 (4 miles);
- *02. I-70 west to I-435 (117 miles);

If unable to contact the 800 emergency number use the nearest HP number listed above.

Sep-88

Statewide Emergency Number: 1-800-525-5555#

KANSAS CITY

HP (816) 524-1407

ST JOSEPH

HP (816) 233-0291

Comm:

MT ☐ CH 9, RMT ☐ CH 9, R

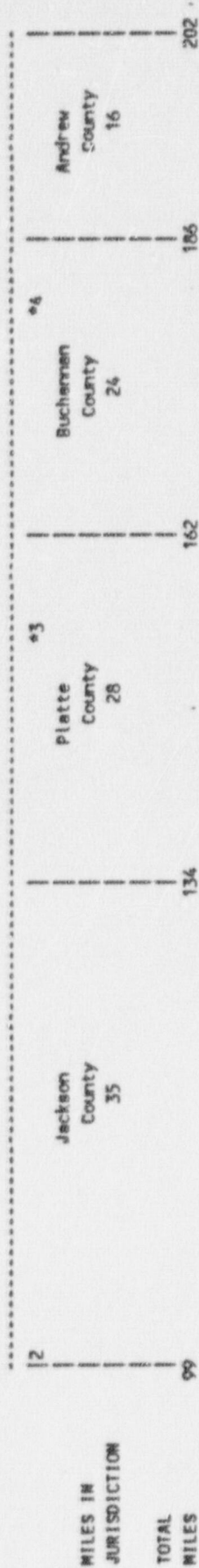
LEA:

HP

HP

E Kansas City

St Joseph



KEY

- * LEA Response Center
- HP/SP Highway Patrol/State Police
- S Sheriff
- CP City Police
- CP County Police
- CB Radio Monitored (Base)
- CB Radio Monitored (Car)
- Channel Monitored
- React Group
- Mobile Telephone (Useable)
- Escort Required

ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

- *02. I-70 west to I-435 (117 miles);
- *03. I-435 north to I-29 (27 miles);
- *04. I-29 north to the Iowa state line (110 miles);

If unable to contact the 800 emergency number use the nearest HP number listed above.

Statewide Emergency Number: 1-800-525-5555#

Statewide Emergency Number: 1-800-525-555

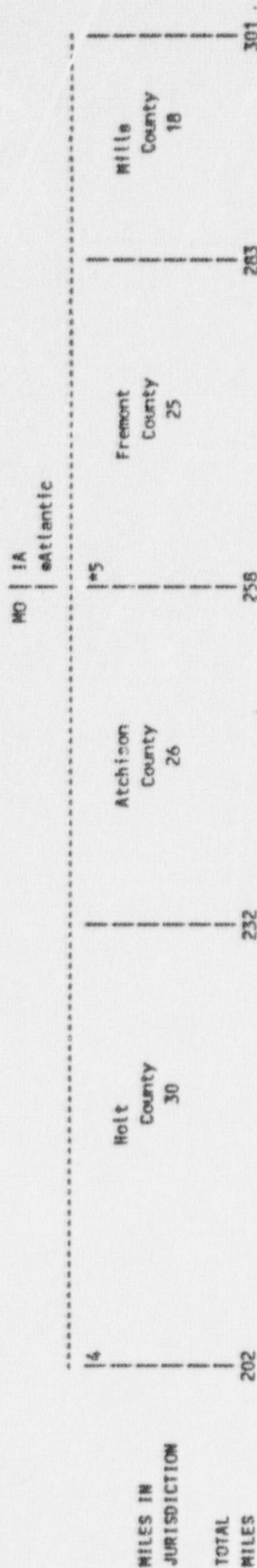
ATLANTIC

HP (712) 263-4224
(800) 362-2200

Comm:

LEA:

HP



KEY

- LEA Response Center
- HP/SP Highway Patrol/State Police
- S Sheriff
- CP City Police
- C/P County Police
- CB Radio Monitored (Base)
- CB Radio Monitored (Car)
- Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Equipment Required

ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

04. 1-29 north to the Iowa state line (110 miles);

05. 1-29 north to I-80 (43 miles);

If unable to contact the 800 emergency number use the nearest HP number listed above.

Statewide Emergency Number: 1-800-525-5555

COUNCIL BLUFF
S (712) 328-4780

OMAHA
HP (402) 331-3333

Statewide Emergency Number: 1-800-525-5555

LINCOLN
HP (402) 477-6545

Comm:

MT CH 9

MT CH 9, R

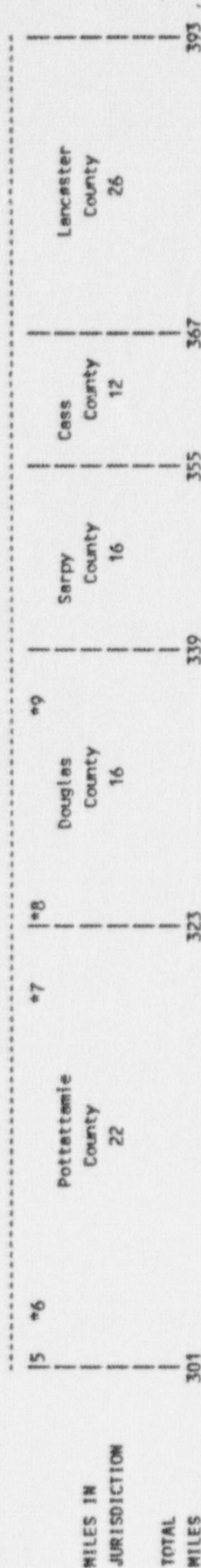
LEA:

S, HP

HP

HP

E Council Bluff IA ME E Omaha E Lincoln



54A

NEBRASKA

Statewide Emergency Number: 1-800-525-5555

GRAND ISLAND
HP (308) 382-8962

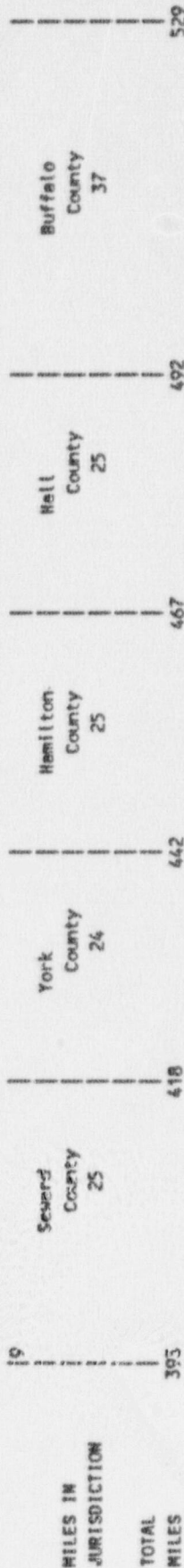
Comm:

LEA:

MT  CH 9

HP

Grand Island
(off route)



ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

09. I-80 west to Wyoming state line (452 miles);

- LEA Response Center
- Highway Patrol/State Police
- Sheriff
- City Police
- County Police
- CB Radio Monitored (Base)
- CB Radio Monitored (Car)
- Channel Monitored
- React Group
- Mobile Telephone (Useable)
- Escort Required

KEY

- HP/SP
- S
- CP
- C/P
- CH/No.
- R
- MT
- E

S4A

NEBRASKA

Statewide Emergency Number: 1-800-525-5555

NORTH PLATTE
HP (308) 532-3430
S (308) 532-2468

Comm:

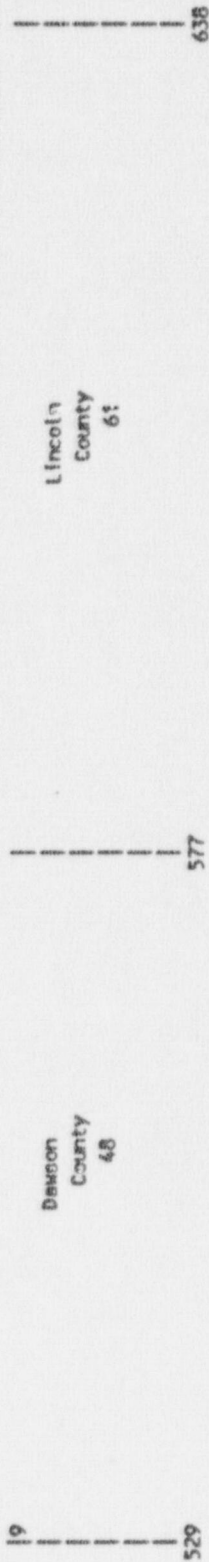
LEA:

MT  CH 9, R
HP, S

North Platte

MILES IN
JURISDICTION

TOTAL
MILES



KEY

- LEA Response Center
- HP/SP Highway Patrol/State Police
- S Sheriff
- CP City Police
- C/P County Police
-  CB Radio Monitored (Base)
-  CB Radio Monitored (Car)
-  Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

09. I-80 west to Wyoming state line (452 miles);

54A

NEBRASKA

Statewide Emergency Number: 1-800-525-5555

OCALLALA
S (308) 284-2011

SIDNEY
HP (308) 254-4669 (8 a.m. to 5 p.m. only)
(308) 632-1211 (24 hours)

Comm:

MT  CH 9

LEA:

HP

S

OCallala

SCottsbuff
(off route)

SCidney

MILES IN
JURISDICTION

TOTAL
MILES

638

Keith
County
43

Deuel
County
21

Cheyenne
County
61

712

681

753

KEY

LEA Response Center
Highway Patrol/State Police
Sheriff
City Police
County Police
CB Radio Monitored (Base)
CB Radio Monitored (Car)
Channel Monitored
React Group
Mobile Telephone (Useable)
Escort Required

HP/SP

S

CP

C*P

CH/No.

R

MT

E

ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho
National Engineering Laboratory, Idaho Falls, ID

09. I-80 west to Wyoming state line (452 miles);

54A

NEBRASKA/WYOMING

Statewide Emergency Number: 1-800-525-5555

Statewide Emergency Number: 1-800-442-9090

CREYENHE
HP (307) 777-7301
S (307) 778-3700

Comm:

MT  CN 9/19, R CN 9/13/19

LEA:

HP, S

NE WY

eCheyenne
(off route)

MILES IN
JURISDICTION

Kimball
County
36

Laramie
County
66

*10
789

855

TOTAL
MILES

753

KEY

● LEA Response Center
HP/SP Highway Patrol/State Police
S Sheriff
CP City Police
C-P County Police
 CB Radio Monitored (Base)
 CB Radio Monitored (Car)
 Channel Monitored
R React Group
MT Mobile Telephone (Useable)
E Escort Required

ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

09. I-80 west to Wyoming state line (452 miles);
*10. I-80 west to Utah state line (404 miles);

54A

WYOMING

Statewide Emergency Number: 1-800-442-9090

LARAMIE
HP (307) 742-6695
S (307) 721-2526

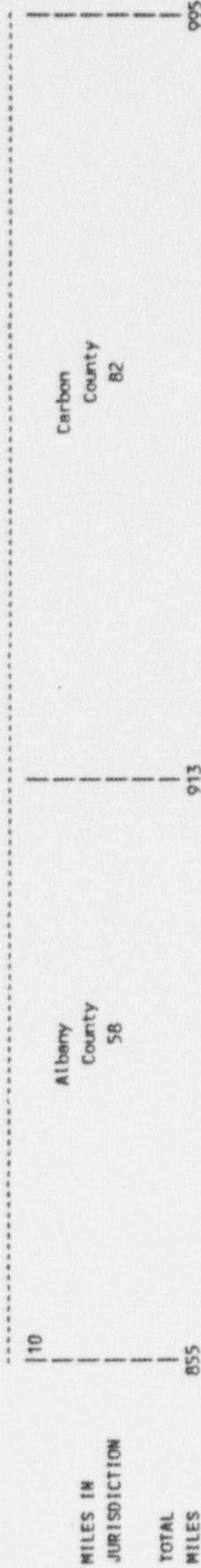
RAWLINS
HP 1-800-442-5345
S (307) 324-5345

Comm: ☐ CH 9/13/19, R
LEA: HP, S

MT ☐ CH 9/13/19, R
HP, S

elaramie

elrawlins



ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

• LEA Response Center
HP/SP Highway Patrol/State Police
S Sheriff
CP City Police
C'p County Police
☒ CB Radio Monitored (Base)
☐ CB Radio Monitored (Car)
CH/No. Channel Monitored
R React Group
MT Mobile Telephone (Useable)
E Escort Required

10. I-80 west to the Utah state line (404 miles);

54A

WYOMING

Statewide Emergency Number: 1-800-442-9090

ROCK SPRINGS
 HP (307) 362-6621 (9 a.m. to 5 p.m.)
 S (307) 362-6900

EVANSTON
 HP (307) 789-3119 (9 a.m. to 5 p.m.)
 S (307) 789-2331

Comm:

MT  CH 9/19, R

MT  CH 9/19

LEA:

HP, S

HP, S

Rock Springs

Evaston WY UT

10

1135

1193

Sweetwater
 County
 140

Uinta
 County
 58

MILES IN
 JURISDICTION

TOTAL
 MILES

995

KEY

- LEA Response
- HP/SP Highway Patrol/State Police
- S Sheriff
- CP City Police
- C/P County Police
-  CB Radio Monitored (Base)
-  CB Radio Monitored (Car)
-  Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

10. 1-80 west to the Utah state line (404 miles);

54A

UTAH

Statewide Emergency Number: None

ECHO
HP (801) 289-3122

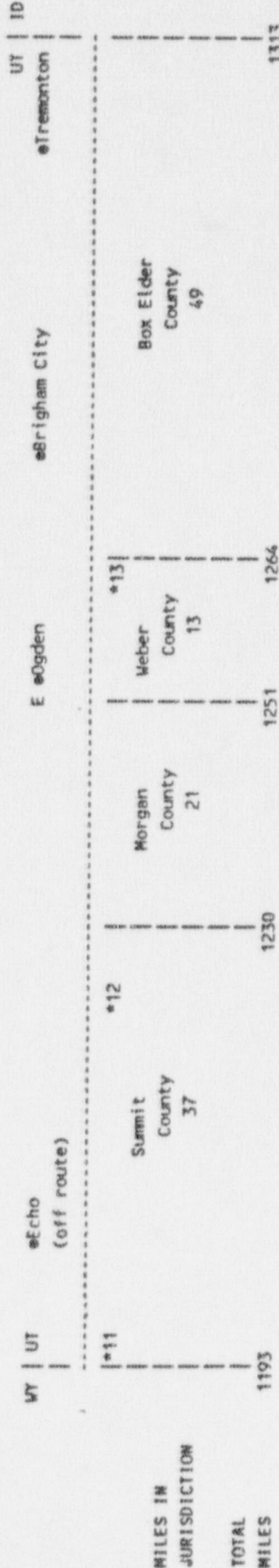
OGDEN
HP (801) 479-9290

BRIGHAM CITY
HP (801) 723-7614
S (801) 734-9441

TREMONTON
HP (801) 723-7614

Comm: CH 9/19 MT CH 9, R CH 19/9 MT CH 19/9

LEA: HP HP, S HP



ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE, Idaho Falls, ID

- *11. 1-80 west to I-84 (29 miles);
- *12. 1-84 north to I-15 (35 miles);
- *13. 1-15 north to Idaho state line (56 miles);

LEA Response Center
Highway Patrol/State Police
Sheriff
City Police
County Police
CB Radio Monitored (Base)
CB Radio Monitored (Car)
Channel Monitored
React Group
Mobile Telephone (Useable)
Escort Required

54A

IDAHO

Statewide Emergency Number: None

POCATELLO
SP (208) 232-1426

IDAHO FALLS
SP (208) 522-5141

Comm:

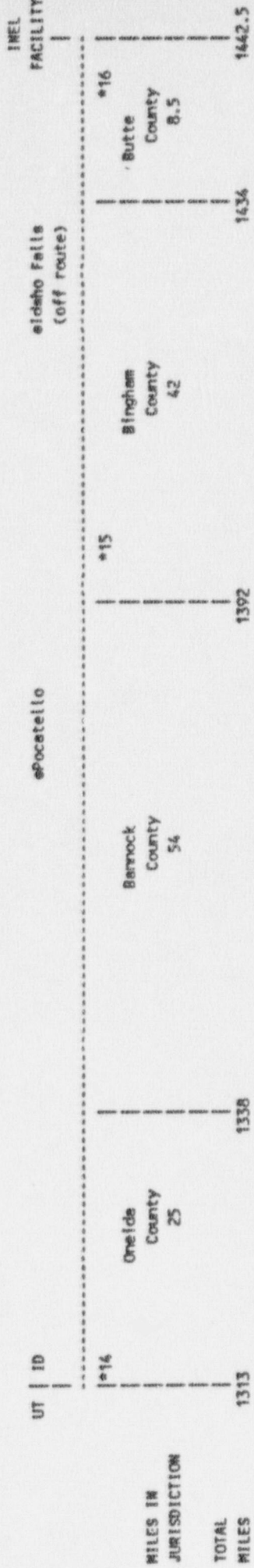
MT  CH 9/19

 CH 9/19, R

LEA:

SP

SP



ROAD TRANSPORTATION ROUTE - University of Missouri, Columbia, MO to the DOE Idaho National Engineering Laboratory, Idaho Falls, ID

- LEA Response Center
- Highway Patrol/State Police
- Sheriff
- City Police
- County Police
- CB Radio Monitored (Base)
- CB Radio Monitored (Car)
- Channel Monitored
- React Group
- Mobile Telephone (Useable)
- Escort Required

KEY

- HP/SP
- S
- CP
- C/P
- 
- 
- CH/No.
- R
- MT
- E

- *14. I-15 north to US-26 (92 miles);
- *15. US-26 north/west to US-20 (34 miles); and
- *16. US-20 west to Idaho National Engineering Laboratory (3.5 miles).