

*Please return to:
Gloria Benninger*

~~SAFEGUARDS INFORMATION~~

SGMT:CRH
05000186580R

55-881

SEP 12 1984

~~SAFEGUARDS INFORMATION
Unauthorized disclosure subject to
Administrative and Criminal sanctions.~~

Enclosure is photostated

University of Missouri
ATTN.: Mr. Walt A. Meyer, Jr.
Reactor Operations Engineer
Research Reactor Facility
Research Park
Columbia, Missouri 65201

When separated from enclosure(s) _____
_____, HANDLE THIS DOCUMENT AS _____

~~DECONTROLLED~~
(insert proper classification)

Gentlemen:

This is in regard to your request for approval of a route to be used for transport of spent reactor fuel as contained in your letter of August 15, 1984.

The proposed route requested in your letter of August 15, 1984 is judged to meet the regulatory requirements in accordance with 10 CFR 73.37 for shipments of spent fuel and is approved.

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. Furthermore, the approval does not guarantee that there will be no local or state legislation applicable to the route that restricts or prohibits the movement of radioactive material.

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.

The initial 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 plan and provided to your carrier along with instructions regarding its use.

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 original notification and an increase in the number of shipments. In addition, the change notification should specify that the date the information can be decontrolled for any of the shipments in the revised series is ten days after the arrival at the destination of the last shipment in that series.

8409200287 840912
PDR ADOCK 05000186
F PDR

OFFICE
SURNAME
DATE

~~SAFEGUARDS INFORMATION~~

~~SAFEGUARDS INFORMATION~~

Mr. Walt A. Meyer, Jr.

- 2 -

SEP 12 1984

Should you require additional information or have questions concerning this matter, please contact Charles Hillman of my staff (301-427-4186).

Sincerely,

T.S. Sherr

Theodore S. Sherr, Chief
Material Transfer SG Licensing Branch
Division of Safeguards, NMSS

Enclosure:
As stated

DISTRIBUTION:

w/ enclosure:	w/o enclosure:
Docket File/50-186	SGMT r/f
Case File/50-186	NMSS r/f
Region III	RFonner
Region IV	LCRouse
Index File 3.18(w/o)	DWeiss
PDR	CRHillman

05000186580R
Columbia, Missouri to Idaho Falls, ID

OFFICE ▶	SGMT	SGMT	SGMT				
SURNAME ▶	CHillman	CKNulsen	TSSherr	SAFEGUARDS INFORMATION			
DATE ▶	9/11/84	9/11/84	9/11/84				

SPENT NUCLEAR FUEL ROUTE SURVEY

Columbia, Missouri

to

Idaho Falls, Idaho

SEP 1984

ROAD TRANSPORTATION ROUTE
Columbia, MO to Idaho Falls, ID

MISSOURI

1. University of Missouri north to I-70	2.0 miles
2. I-70 west to I-435	117.0 miles
3. I-435 north to MO 210	7.0 miles
4. MO 210 west to I-29	4.0 miles
5. I-29 north to Iowa State Line	<u>124.0 miles</u>

Subtotal 254.0 miles

IOWA

6. I-29 north to I-80	47.0 miles
7. I-80 west to Nebraska State Line	<u>4.0 miles</u>

Subtotal 51.0 miles

NEBRASKA

8. I-80 west to Wyoming State Line	460.0 miles
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WYOMING

9. I-80 west to Utah State Line	404.0 miles
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UTAH

10. I-80 west to 80N	29.0 miles
11. 80N north to I-15	35.0 miles
12. I-15 north to Idaho State Line	<u>56.0 miles</u>

Subtotal 120.0 miles

IDAHO

13. I-15 north to US 26	92.0 miles
14. US 26 north/west to US 20	34.0 miles
15. US 20 west to Idaho National Laboratory	<u>3.5 miles</u>

Subtotal 129.5 miles

TOTAL MILES 1,418.5 miles

FOOD AND FUEL STOPS

The businesses and locations listed below were identified by the NRC 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 NRC teams. In order to be listed, food and fuel stops were required to be close to the route.

MISSOURI

1. Derby Truck Stop. 3 miles west of Columbia at mile marker 122, open 24 hours.
2. Shell Truck Stop. Located at State Highway B exit, mile marker 104.
3. Skelly Truck Stop, Loethen Oil Co., Inc. I-70, Exit 74.
4. Union 76 Truck Stop. I-70, Exit 28, 1 mile west of Jackson County Line.
5. Farris Mid-Continent Truck Stop, Phillips 66. I-29, Exit 35, 4 miles north of Buchanan County Line.
6. ~~W. H. Miller~~ Skelly, I-29, mile marker 44, 13 miles north of Buchanan County Line.
7. Mid-Continent Truck Stop, Phillips 66. I-29, Exit 79 at MO Route 159 exit.
8. Skelly Truck Stop. I-29, Exit 110.

IOWA

No food and fuel services identified.

NEBRASKA

1. Grant's Truck and Car Stop. I-80, Exit 363, York County.
2. Bosselman's Truck Plaza, Standard Oil. US 34 at I-80, Grand Island, NE.
3. Wood River Truck Plaza, Skelly Oil. I-80, Exit 300, Wood River, NE.
4. Multiple Truck Stops. I-80, North Platte, NE.
5. Union 76 Truck Stop. I-80, Exit 126, Ogallala, NE.

WYOMING

1. Truck Stop. Interstate 80 mile marker 388, Antelope, WY.
2. Multiple Truck Stops. Cheyenne, WY.
3. Truck Stop. I-80, Walscott, WY. Exit.
4. Multiple Truck Stops. I-80, Rawlins, WY.
5. Multiple Truck Stops. I-80, Rock Springs, WY.

UTAH

1. Flying J. Truck Stop. Ogden, Utah, I-80, 15, 21st Street Exit.
2. Cross Roads Truck Stop. Near Tremonton, Utah, I-15, 2 miles north of I-80/15 split.

IDAHO

1. Flags West Truck Stop. I-15, mile marker 31, Melad City, Idaho.
2. Paris Truck Stop. I-15, Exit 67, Pocatello, Idaho.

EMERGENCY PHONE NUMBERS: Area Codes: (314)(816)

MISSOURI

JEFFERSON CITY
SP (314) 636-5171

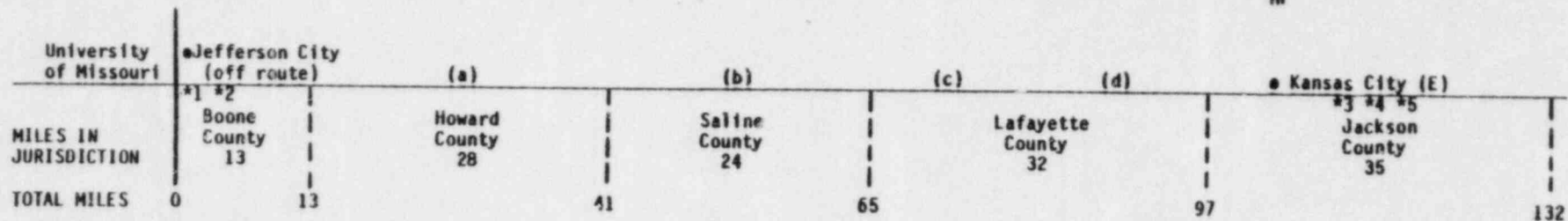
KANSAS CITY
SP (816) 524-1407

Comm: MT, CH 9, R

MT, CH 9, R

LLEA: HP

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)
- CH/NO Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

- *1. University of Missouri north to I-70 (2 miles);
- *2. I-70 west to I-435 (117 miles);
- *3. I-435 north to MO 210 (7 miles);
- *4. MO 210 west to I-29 (4 miles);
- *5. I-29 north to Iowa (124 miles);

EMERGENCY PHONE NUMBERS: Area Codes: (816)(712)

MISSOURI/IOWA

ST. JOSEPH
HP (816)233-0291

ATLANTIC
HP (800)362-2200
or (712)243-4224

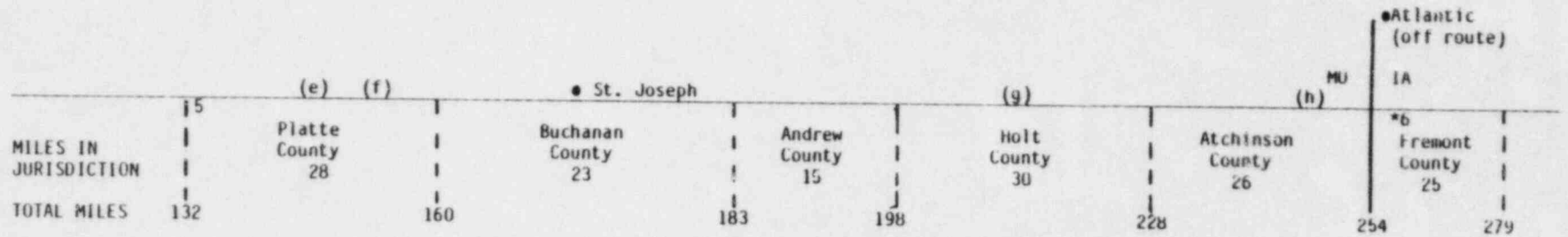
COMM:

MT, CH 9, R

LEA:

HP

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)
- CH/NO Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

- 5. I-29 north to Iowa (124 miles);
- *6. I-29 north to I-80 (47 miles);

SEP 1984

EMERGENCY PHONE NUMBERS: Area Code: (712)(402)

NEBRASKA

ATLANTIC
SP (712) 243-4224
(820) 362-2200

OMAHA
SP (402) 331-3333

LINCOLN
HP (402) 477-3951

Comm:

MT,  CH 9

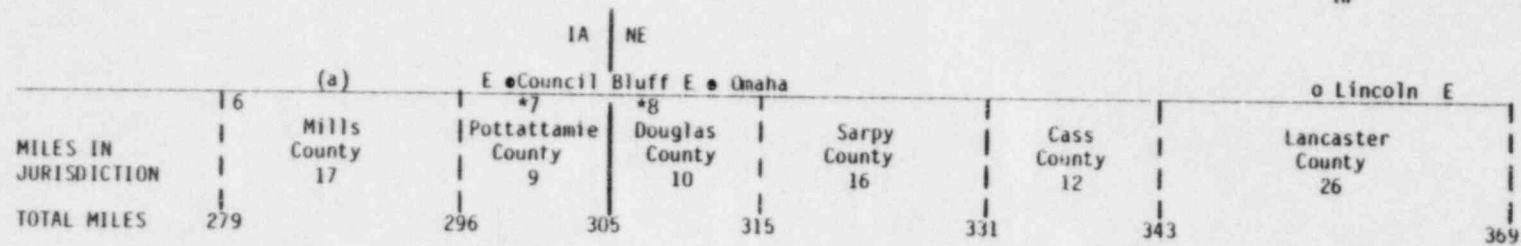
MT,  CH 9

LEA:




SP

SP

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 Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

- 6. I-29 north to I-80 (47 miles);
- *7. I-80 west to Nebraska State Line (4 miles);
- *8. I-80 west to Wyoming (460 miles);

EMERGENCY PHONE NUMBERS: Area Code (308)

NEBRASKA

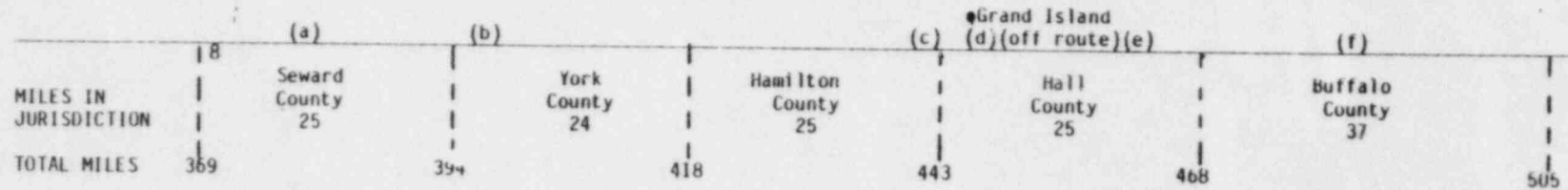
GRAND ISLAND
SP (308) 382-8962

Comm:



MT  CH 9

LEA:

SP



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)
- CH/NO Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

8. I-80 west to Wyoming (408 miles);

SEP 1984

EMERGENCY PHONE NUMBERS: Area Code (308)

NEBRASKA

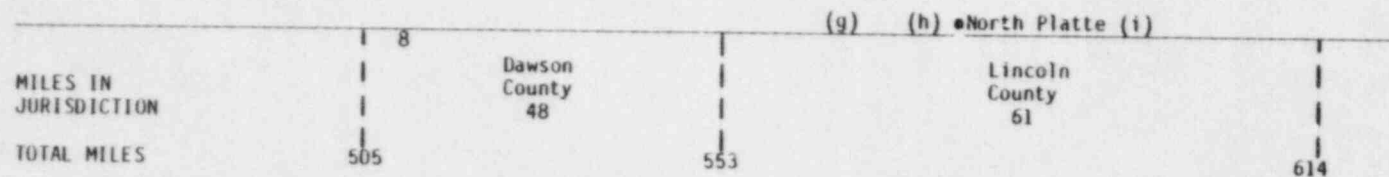
NORTH PLATTE
HP (308)532-3430
S (308)532-2468

Comm:



MT,  CH 9, R

LEA:

HP, 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)
CH/NO Channel Monitored
R React Group
MT Mobile Telephone (Useable)
E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

8. I-80 west to Wyoming (408 miles);

SEP 1984



EMERGENCY PHONE NUMBERS: Area Code (308)

NEBRASKA

UGALLALA
S (308) 284-3641

SIDNEY
HP (308) 254-4042

Comm:

MT,   CH 9



LLEA:

S

HP

	(j) ● Ogallala	(k)	(l) ● Sidney
MILES IN JURISDICTION	8 Keith County 43	Deuel County 31	Cheyenne County 41
TOTAL MILES	614	688	729

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)
- CH/NO Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

8. I-80 west to Wyoming (408 miles);

EMERGENCY PHONE NUMBERS: Area Code WY (307)

NEBRASKA/WYOMING

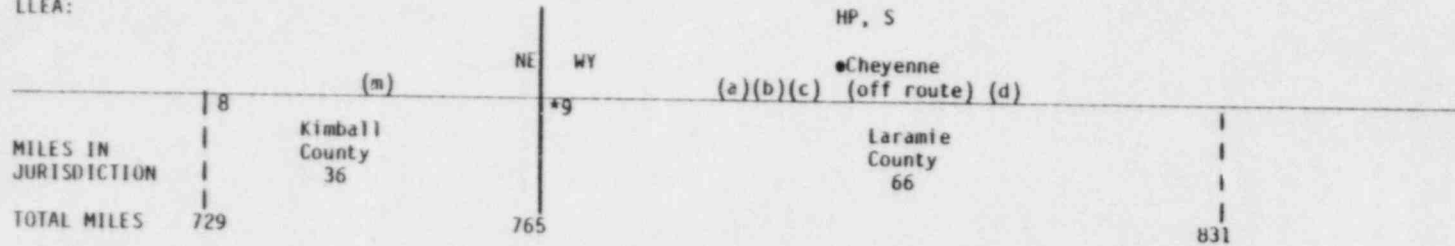
CHEYENNE
HP (800) 442-9090
(307) 777-7301
S (307) 634-7931

Comm:

MI, CH 9/19, R CH 5/13/19

LLEA:

HP, 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)
- CH/NO Channel Monitored
- R Pact Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

- 8. I-80 west to Wyoming (408 miles);
- *9. I-80 west to Utah (404 miles);

EMERGENCY PHONE NUMBERS: Area Code (307)

WYOMING

LARAMIE
HP (800) 442-9090
HP (307) 742-6695
S (307) 742-6666

RAWLINS
HP (800) 442-9090
HP (307) 324-5345
S (307) 324-2776

COMM: CH 9/19, R

MT, CH 9/19, R

LLEA: HP, S

HP, S

	(e)(f) ● Laramie	(g)	(h) ● Rawlins (i)
MILES IN JURISDICTION	19 Albany County 58 	82 Carbon County 82 	971
TOTAL MILES	831	889	971

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)
 CH/NO Channel Monitored
R React Group
MT Mobile Telephone (Useable)
E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

9. I-80 west to Utah (404 miles);

EMERGENCY PHONE NUMBERS: Area Code (307)

WYOMING

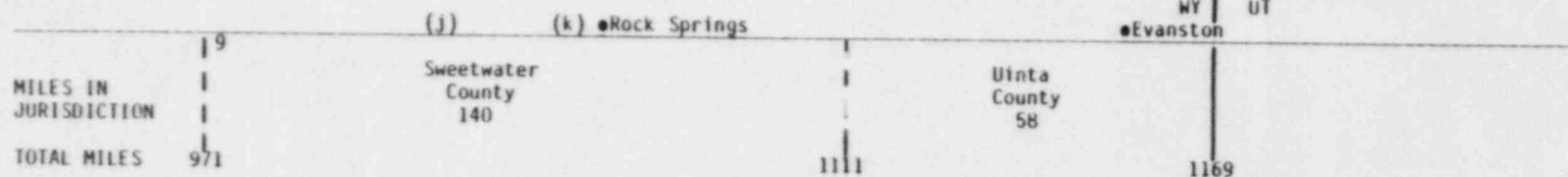
ROCK SPRINGS
 HP (800) 442-9090
 (307) 382-6621
 (8am - 5pm)
 S (307) 362-6900

EVANSTON
 HP (800) 442-9090
 (307) 789-2141
 (8am - 5pm)
 S (307) 789-2331

MT, CH 9/19, R
 HP, S

MT CH 9/19
 HP, S

LLEA:



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)
- CH/NO Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

9. I-80 west to Utah (404 miles);

EMERGENCY PHONE NUMBERS: Area Code (801)

UTAH

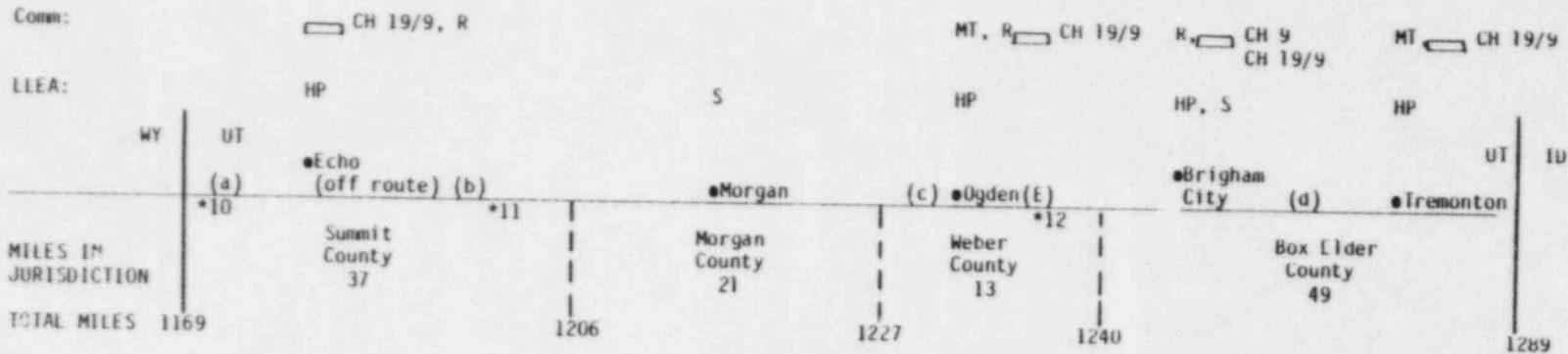
ECHO
HP (801) 289-3122

MORGAN
S (801) 829-3745

OGDEN
HP (801) 479-9290

BRIGHAM CITY
HP (801) 723-7614
S (801) 734-9441
HP (801) 734-9414
(Port-of-Entry)

TREMONTON
HP (801) 723-7614



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)
- CH/NO Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

- *10. I-80 west to I-80N (29 miles);
- *11. I-80N north to I-15 (35 miles);
- *12. I-15 north to Idaho State Line (56 miles);

EMERGENCY PHONE NUMBERS: Area Code (208)

IDAHO

POCATELLO
SP (208)232-1426

IDAHO FALLS
SP (208)522-5141

Comm:

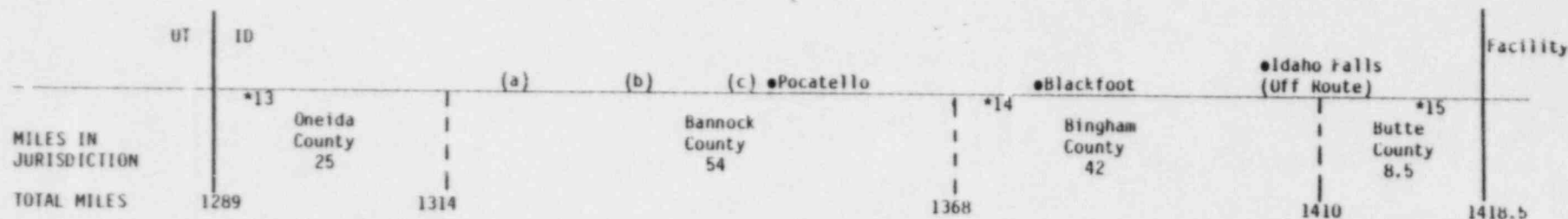
MT, CH 9/19

 CH 9/19, R

LEEA:

SP

SP



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)
- CH/NO Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Columbia, MO to Idaho Falls, ID

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