



SAFEGUARDS INFORMATION

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

NOV 29 1990

*Please return to:
Gloria Bennington
WF 4E4*

150

SGTB:RRR
07003020E50R

Nuclear Assurance Corporation
ATTN: Mr. Thomas A. Shelton
Manager, Cask Operations
Site and Transportation Services
6251 Crooked Creek Road
Suite 200
Norcross, GA 30092

Dear Mr. Shelton:

This is in regard to your request for approval of a route to be used for transport of spent fuel as contained in your letter of September 17, 1990.

The route from the Callaway Nuclear Power Station, near Fulton, Missouri to the US/Canadian border, Alexandria Bay, New York, as requested in your letter of September 17, 1990, 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 two of this letter as soon as possible providing details.

Arrangements with law enforcement agencies along the route 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 changed notification should indicate that it is a revision of the original notification and an increase or decrease in the

Enclosure has been sanitized.

Document Transmitted Herewith
Contains Safeguards Information
9012100340 901129
PDR ADOCK 07003020
C PNU

UPON REMOVAL OF ATTACHMENT THIS DOCUMENT IS:

decontrolled

SAFEGUARDS INFORMATION

IE05
11

NOV 29 1990

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 Russel R. Rentschler of my staff at (301) 492-0381.

Sincerely,

15/ Charles E. Mac Donald

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

Enclosure:
As stated

Fulton/Alexandria Bay (150)
07003020E50R

Distribution:

w/enclosure	w/o enclosure	
Docket File 70-3020	NMSS/SGTB r/f	RRentschler
Case File 70-3020	RFonner	JCook
Regions I & III	DWeiss	RBurnett
	CHaughney	CMacDonald

PDR (Sanitized)

go

OFC: SGTB	: SGTB	: SGTB	:	:	:	:
NAME: RRentschler/lg: JCook	: CMacDonald	:	:	:	:	:
DATE: 11/27/90	: 11/29/90	: 11/29/90	:	:	:	:

SPENT NUCLEAR FUEL ROUTE
CALLAWAY NUCLEAR POWER STATION
FULTON, MISSOURI

TO

THE US/CANADIAN BORDER, ALEXANDRIA BAY, NEW YORK

OCTOBER 1990

SUMMARY OF LEA RESPONSE CAPABILITIES AND SAFE HAVENS

ROAD TRANSPORTATION ROUTE
CALLAWAY NUCLEAR POWER STATION

FULTON, MISSOURI

TO

THE US/CANADIAN BORDER, ALEXANDRIA BAY, NEW YORK

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 NRC route analysis teams, with the assistance of local 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 the 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
 CALLAWAY PLANT
 FULTON, MISSOURI
 TO
 THE THOUSAND ISLAND BRIDGE
 ALEXANDRIA BAY, NEW YORK

MISSOURI

1.	MO-CC north to MO-O*	2 miles
2.	MO-O east to MO-D*	5 miles
3.	MO-D north to I-70*	13 miles
4.	I-70 east to I-270 north/east	71 miles
5.	I-270 east to the Illinois state line	<u>20 miles</u>
	Subtotal	111 miles

ILLINOIS

6.	I-270 east to I-70	14 miles
7.	I-70 east to the Indiana state line	<u>149 miles</u>
	Subtotal	163 miles

INDIANA

8.	I-70 northeast to I-465	87 miles
9.	I-465 south/east/north to I-70	22 miles
10.	I-70 east to the Ohio state line	<u>78 miles</u>
	Subtotal	187 miles

OHIO

11.	I-70 east to I-270	93 miles
12.	I-270 south/east/north to I-70	18 miles
13.	I-70 east to I-470	114 miles
14.	I-470 east to the West Virginia state line	<u>6 miles</u>
	Subtotal	231 miles

WEST VIRGINIA

15.	I-470 east to I-70	3 miles
16.	I-70 east to the Pennsylvania state line	<u>11 miles</u>
	Subtotal	14 miles

ROAD TRANSPORTATION ROUTE (Cont'd)PENNSYLVANIA

17.	I-70 east to I-79	19 miles
18.	I-79 north to I-90	139 miles
19.	I-90 east to the New York state line	<u>23 miles</u>
	Subtotal	181 miles

NEW YORK

20.	I-90 east to I-81	213 miles
21.	I-81 north to the US/Canadian border	<u>105 miles</u>
	Subtotal	318 miles
	TOTAL	<u>1205 miles</u>

*Access to or exit from Interstate System.

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. Ray's Truck Stop. Located at exit 161, I-70, Williamsburg, Montgomery County.
2. Union 76 Truck Stop. Located at exit 204, Foristell, St. Charles County.

ILLINOIS

3. Rest Area. Located at milemarker (mm) 36, I-70 E, Bond County.
4. Rest Area. Located at mm 45, I-70E, Bond County.
5. Union 76 Truck Stop. Located at exit 159, I-57N/70E, Effingham County.

INDIANA

6. Brazil 70 Truck Plaza. I-70E, mm 22, Clay County.
7. Union 76 & Bridgestone Truck Stops. I-70E, mm 59, Hendricks County.
8. "Bud's" Marathon Truck Stop. I-465, exit 4, Marion County.
9. T.C. Truck Plaza. I-70, exit to SR-3, New Castle, Henry County.
10. Union 76 Truck Stop. I-70, exit 156B, Richmond, Wayne County.

OHIO

11. Sohio Truck Stop, "Stop 127." I-70, exit 10, Eaton, Preble County.
12. Texaco Truck Stop of America. I-70, exit 36, Montgomery County.
13. Union 76 Truck Stop. I-70, exit 79, Lafayette, Madison County.
14. Sherandoah Truck Stop with sleeping accomodations. I-70, exit 187, Guernsey County.

WEST VIRGINIA

15. Truck Stops of America. I-70, exit 11, three miles west of the Pennsylvania state line, Ohio County.

PENNSYLVANIA

16. Union 76 Truck Stop. I-70, exit 2, five miles east of West Virginia state line, Washington County.
17. Several small diesel fuel stops. Located on I-79 in Washington, Allegheny, Butler, and Mercer Counties.
18. Green Shingle Truck Stop. I-90, exit 5, milemarker (mm) 19, Erie County.
19. Union 76 Truck Stop. At the Pennsylvania and New York state line, Erie County.

FOOD AND FUEL STOPS (Cont'd)NEW YORK

20. Angola Service Area. I-90, NY Thruway, mm 446, Erie County.
21. Pembroke Service Area. I-90, NY Thruway, mm 397, Genesee County.
22. Scottsville Service Area. I-90, NY Thruway, mm 366, Monroe County.
23. Clifton Spring Service Area. I-90, NY Thruway, mm 337, Ontario County.
24. Port Byron Service Area. I-90, NY Thruway, mm 310, Cayuga County.
25. Longway's Truck Stop. I-81, exit 32 at mm 103, Oswego County.
26. Longway's Truck Stop. I-81, exit 48 at mm 158, Jefferson County.

Statewide Emergency Number: 1-800-525-5555
 Cellular Mobile Telephone Emergency Number: *55

Missouri Emergency Management Agency: (314) 751-2748

JEFFERSON CITY
 HP (314) 751-1000

FULTON
 HP (314) 751-1000
 S (314) 642-7291

MONTGOMERY CITY
 HP (314) 751-1000
 S (314) 564-3378

WARRENTON
 HP (314) 434-5500
 S (314) 456-4332

ST. CHARLES
 HP (314) 434-5500
 S (314) 949-0809

KIRKWOOD/
 ST. LOUIS
 HP (314) 434-5500
 CP (314) 622-4851
 CP (314) 889-2341

Comm:

MT  CH 9/19

 CH 19

 CH 19

 CH 9

MT

LEA:

HP

HP, S

HP, S

HP, S

HP, S

HP, CP

CALLAWAY
 PLANT

● Jefferson City
 (off route)

● Fulton

● Montgomery City

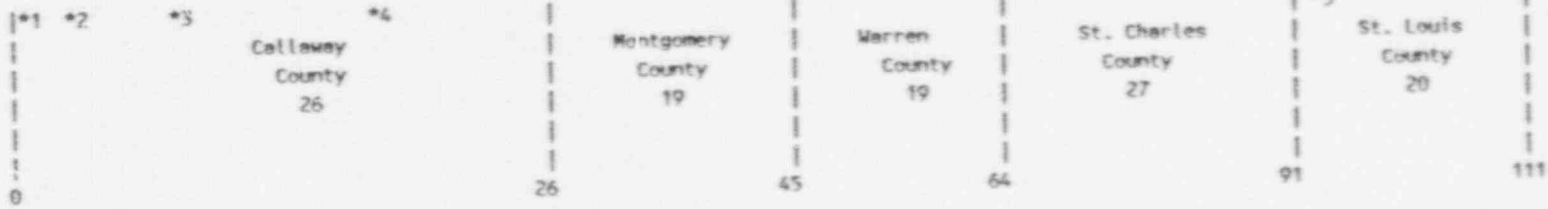
● Warrenton

● St. Charles




MO | IL
 E ● Kirkwood/
 St. Louis

MILES IN
 JURISDICTION

TOTAL
 MILES



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
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Callaway Plant, Fulton, MO alternate route to the
 Thousand Island Bridge, Alexandria Bay, New York

- *01. MO-CC north to MO-0 (2 miles);
- *02. MO-0 east to MO-D (5 miles);
- *03. MO-D north to I-70 (13 miles);
- *04. I-70 east to I-270 (71 miles);
- *05. I-270 north/east to the Illinois state line (20 miles);

ILLINOIS

Statewide Emergency Number: None

COLLINSVILLE/
EDWARDSVILLE
SP (618) 346-3600
S (618) 692-6087

GREENVILLE
SP (618) 346-3600
S (618) 664-2151

VANDALIA
SP (217) 536-6161
S (618) 283-2141

EFFINGHAM
SP (217) 536-6161
S (217) 342-2101

Comm:

MT CH 9

CH 9/19

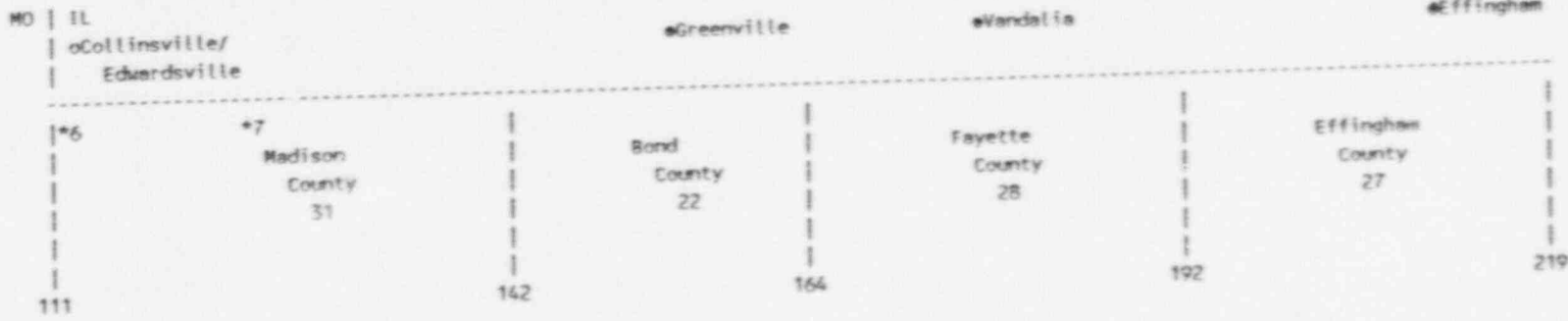
CH 9
 CH 9/19
SP, S

LEA:

SP, S

SP, S

SP, S



ROAD TRANSPORTATION ROUTE - Callaway Plant, Fulton, MO alternate route to the Thousand Island Bridge, Alexandria Bay, New York

- *06. I-270 east to I-70 (14 miles);
- *07. I-70 east to the Indiana state line (149 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)
- CH/No. Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

IL Statewide Emergency Number: None

IN Statewide Emergency Number: (317) 232-8246/48

TOLEDO
 SP (217) 536-6161
 S (217) 849-2571

MARSHALL
 SP (217) 536-6161
 S (217) 826-6393

TERRE HAUTE
 SP 1-800-742-0717
 SP (812) 299-1151
 S (812) 232-3801

BRAZIL
 SP 1-800-742-0717
 SP (812) 299-1151
 S (812) 446-2535

PUTNAMVILLE/
 GREENCASTLE
 SP 1-800-742-0717
 SP (317) 653-4114
 S (317) 653-8636

Comm:

■ CH 9

■ CH 9

MT

LEA:

□ CH 9

□ CH 9

SP, S

SP, S

SP, S

● Toledo

● Marshall

IL | IN

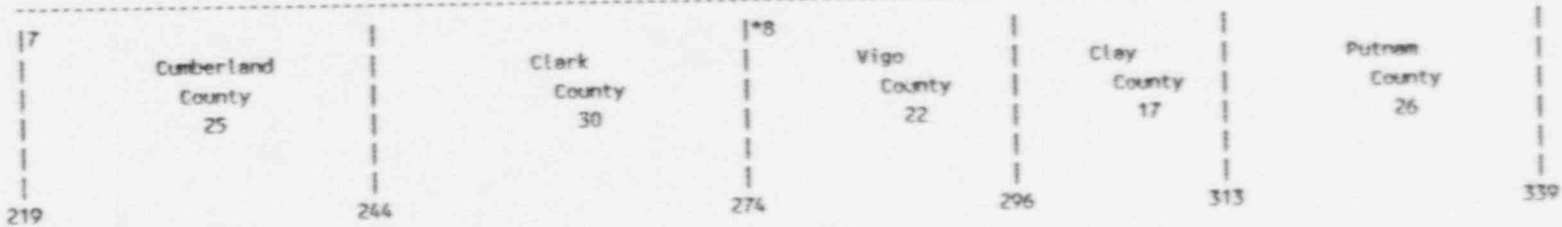
● Terre Haute

● Brazil

● Putnamville/
 Greencastle

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

ROAD TRANSPORTATION ROUTE - Callaway Plant, Fulton, MO alternate route to the Thousand Island Bridge, Alexandria Bay, New York

- 07. I-70 north to the Indiana state line (149 miles);
- *08. I-70 northeast to I-465 (87 miles);

Statewide Emergency Number: None

PIQUA
HP (513) 773-1131

SPRINGFIELD
HP (513) 323-9781

Comm:

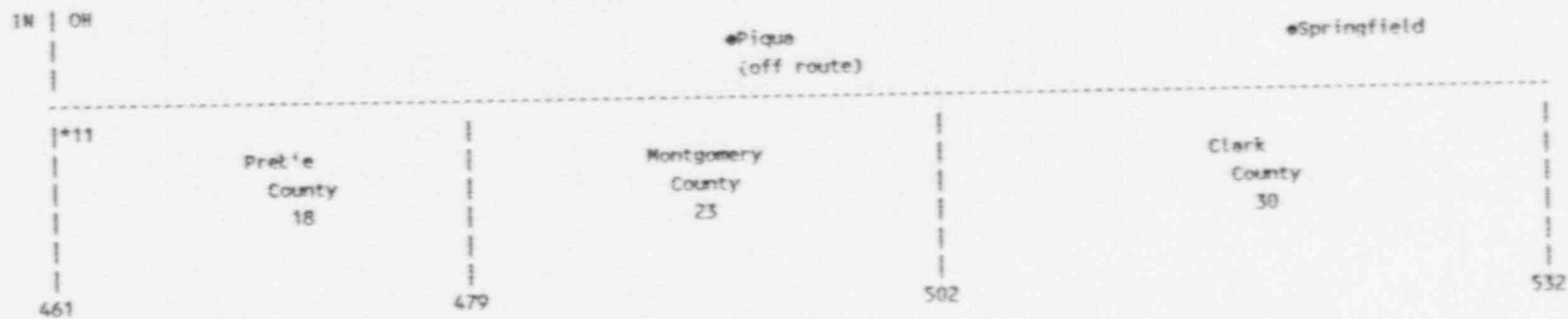
MT CH 9, R

MT CH 9, R

LEA:

HP

HP



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

ROAD TRANSPORTATION ROUTE - Callaway Plant, Fulton, MO alternate route to the
Thousand Island Bridge, Alexandria Bay, New York

*11. I-70 east to I-270 (93 miles);

Statewide Emergency Number: None

COLUMBUS
HP (614) 466-2660

NEWARK
HP (614) 587-0786

ZANESVILLE
HP (614) 453-0541

Comm:

MT   CH 9/19, R

MT   CH 9, R

  CH 9, R

LEA:

HP

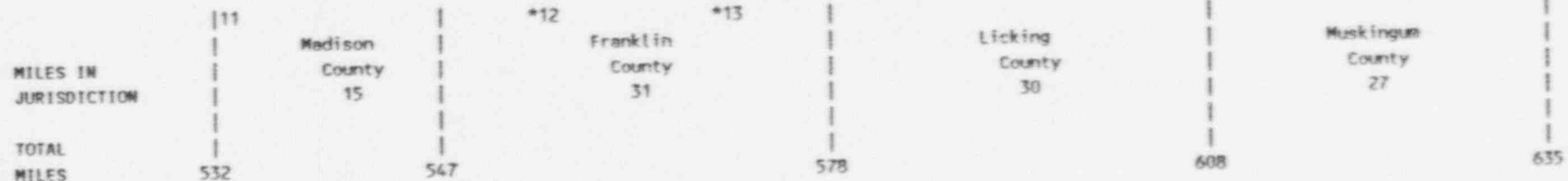
HP

HP



E @Columbus

@Newark
@Granville (off route)

@Zanesville



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

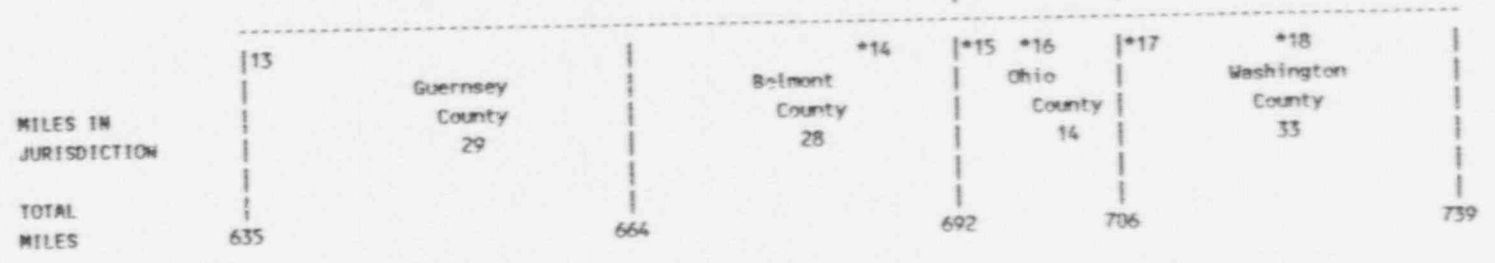
ROAD TRANSPORTATION ROUTE - Callaway Plant, Fulton, MO alternate route to the Thousand Island Bridge, Alexandria Bay, New York

- 11. I-70 east to I-270 (93 miles);
- *12. I-270 south/east/north to I-70 (18 miles);
- *13. I-70 east to I-470 (114 miles);

Statewide Emergency Number: None

CAMBRIDGE	ST CLAIRSVILLE	WHEELING	WASHINGTON
HP (614) 439-1388	HP (614) 695-0915	HP (304) 238-1100 HP (304) 843-4100	SP (412) 223-5200

Comm:	■ □ CH 9	■ □ CH 9	MT □ CH 9/19	MT
LEA:	HP	HP	HP	SP
	● Cambridge	● St Clairsville	OH WV WV PA ● Wheeling	● Washington



- 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 - Callaway Plant, Fulton, MO alternate route to the Thousand Island Bridge, Alexandria Bay, New York

- 13. I-70 east to I-470 (114 miles);
- *14. I-470 east to the West Virginia state line (6 miles);
- *15. I-470 east to I-70 (3 miles);
- *16. I-70 east to the Pennsylvania state line (11 miles);
- *17. I-70 east to I-79 (19 miles);
- *18. I-79 north to I-90 (139 miles);

Statewide Emergency Number: None

PITTSBURGH
SP (412) 645-7488

MERCER
SP (412) 662-4200

Comm:

MT CH 9, R

MT CH 9, R

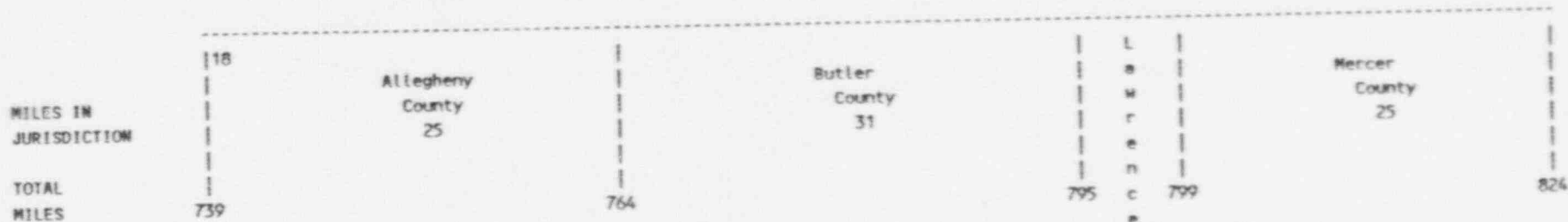
LEA:

SP

SP

E ●Pittsburgh

●Mercer



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/Mo. Channel Monitored
- R React Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Callaway Plant, Fulton, MD alternate route to the Thousand Island Bridge, Alexandria Bay, New York

18. I-79 north to I-90 (139 miles);

PA Statewide Emergency Number: None

NY Statewide Emergency Number: (518) 457-2200

ERIE
SP (814) 898-1641

FREDONIA
SP (716) 679-1521

Comm:

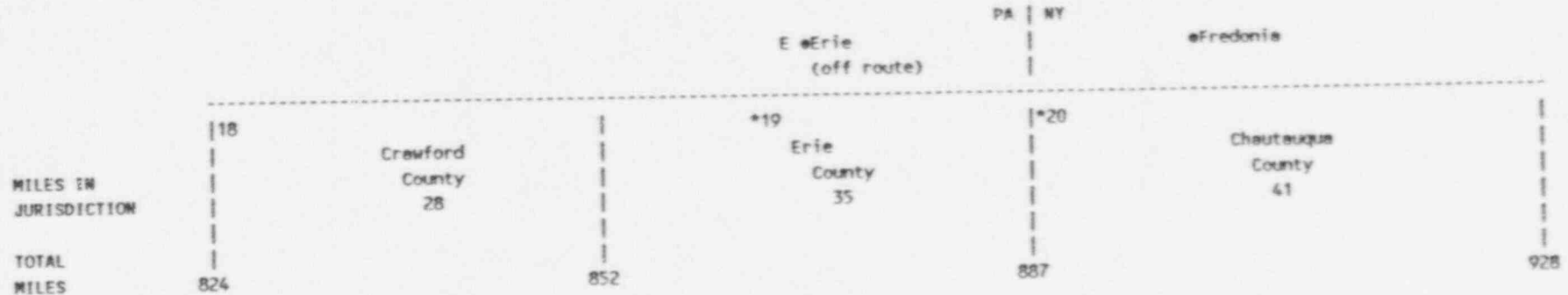
MT

MT CH 19/9, R

LEA:

SP

SP



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 - Callaway Plant, Fulton, MO alternate route to the Thousand Island Bridge, Alexandria Bay, New York

- 18. I-79 north to I-90 (139 miles);
- *19. I-90 east to the New York state line (23 miles);
- *20. I-90 east to I-81 (213 miles);

Statewide Emergency Number: (518) 457-2200

ANGOLA
SP (716) 941-9300

BUFFALO
SP (716) 836-0240

Comm: MT CH 19/9, R

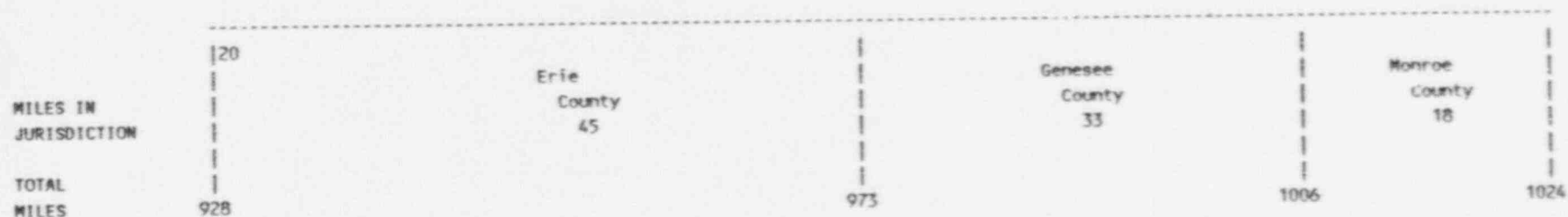
MT CH 19/9, R

LEA: SP

SP

●Angola

E ●Buffalo



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 - Callaway Plant, Fulton, MO alternate route to the Thousand Island Bridge, Alexandria Bay, New York

20. I-90 east to I-81 (213 miles);

Statewide Emergency Number: (518) 457-2200

WORTH SYRACUSE
Troop D
SP (315) 457-2600
Thruway Police
SP (518) 463-6711

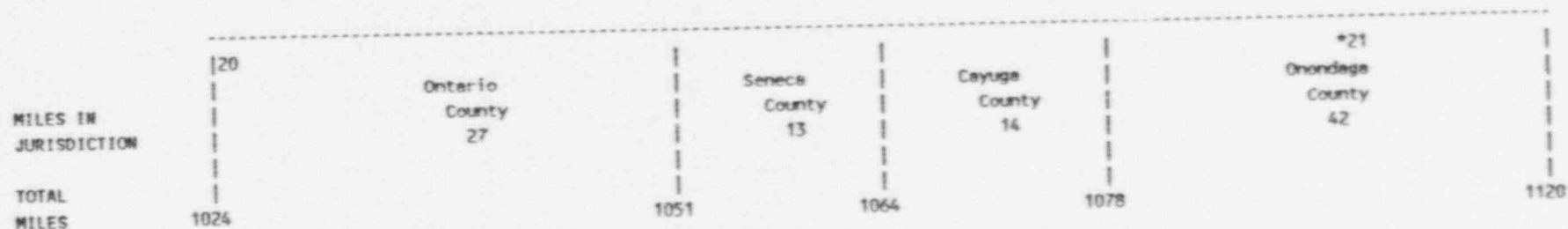
Comm:

MT CH 19

LEA:

SP, Thruway SP

E North Syracuse



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 Contact Group
- MT Mobile Telephone (Useable)
- E Escort Required

ROAD TRANSPORTATION ROUTE - Callaway Plant, Fulton, MD alternate route to the Thousand Island Bridge, Alexandria Bay, New York

- 20. I-90 east to I-81 (213 miles); and
- *21. I-81 north to the US/Canadian border (105 miles).

Statewide Emergency Number: (518) 457-2200

PULASKI
SP (315) 298-5161

WATERTOWN
SP (315) 782-2112

ALEXANDRIA BAY
SP (315) 482-2525

Comm:

MT CH 19/9, R

MT CH 19/9, R

MT CH 19/9, R

LEA:

SP

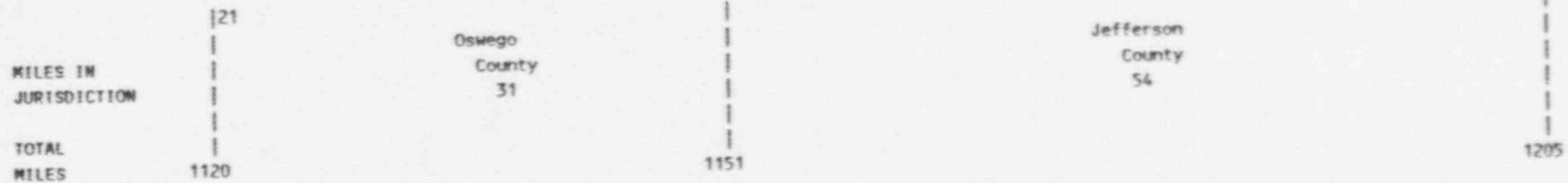
SP

SP

● Pulaski

● Watertown

NY | US/CANADIAN BORDER
● Alexandria Bay



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 - Callaway Plant, Fulton, MO alternate route to the Thousand Island Bridge, Alexandria Bay, New York

21. I-81 north to the US/Canadian border (105 miles).