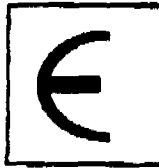


8/1/93 VC Net Map Revisions



**Events Analysis, Inc.**

Advanced Safety Services

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## **FAX MESSAGE**

TO: Has Shah PhD  
CMA  
202 887 1192

August 16, 1993

FAX 202 887 1237

FROM: Ludwig Benner, Jr.

Total Pages:

Subject: VC Panel Updated Maps/support documents

A mailing tube containing the revised VC Net map sets and support tables described on the attached, was couriered to you today.

This work has exhausted all the funds allocated to Events Analysis, Inc. for 1993 for this work.

CMA 111507

Revisions to 8/1/93 VC Net Map

To: Dr. Shah  
From: L. Benner

Report of additional carrier contacts since May meeting.

Canadian National Railroad

Contacts: Mr. Jean Oulette and Mr. Bryan Pullen (514-399-6623)

The Canadian National Railroad reported that it has 7-9 special officers trained and experienced in hazmat responses on their line, supported by over 500 trained operating personnel. The CN has C-1 hardware kits for handling chlorine leaks, but no kits for Midland valves. They report having hazmat handling equipment and suits in "all major cities" on their line, including trucks that they dispatch to emergency sites. During our conversation, we discussed the difficulties with showing where equipment might be located because the CN apparently moves it from one location to another frequently.

CN relies on shippers to arrange for transfers, and does not normally use contractors because of past problems. They will work with shipper-designated contractors, but indicated they reserve the right to turn them away because of their past experience.

After discussing the placement of their capabilities on a map, we agreed that I would not place any CN capabilities on the VCNET map. If any response capability locations are verified by the interested VC Net shipper(s), they could be added.

No CN response capabilities were added to the map. I believe this is consistent with what Dow has indicated the map should show. You may wish to reconfirm this position with DOW

Kansas City Southern.

Contact: Mike Carpenter (816 556 0343)

KCS has no specific VC product response capabilities.

The KCS system has provided its VC customers with its response plans. In the absence of a specific preference by a shipper, the KCS will select a pre-qualified contractor with the needed capability to handle the emergency.

I did not discuss specific VC shipper names with Carpenter. If it has not already been done, shippers using the KCS should communicate their contractor preferences to the KCS, or satisfy themselves that the KCS's "qualified contractors" who meet KCS's qualification criteria also meet their criteria.

Revisions to 8/1/93 VC Net Map

No KCS or contractor capabilities were added to the map. Perhaps some additional contractors could be added after they have been checked out by VC shippers using the KCS.

CSX

Contact: Gary Rhodes (904 359 1589.

In the absence of a specific preference by a shipper, CSX will select one of several pre-qualified contractors (which include OHM) with the needed capability to handle the emergency.

No CSX contractor capabilities will be added to the map. Perhaps some additional contractors could be added after they have been checked out by VC shippers using CSX.

ATSF

Contact: Ettinger(spelling?) 913 357 3570

Contact reported 70 personnel available to help local officials in emergencies but would not handle VC transfers, leaks. Would look to shipper to engage contractor, or would furnish qualified contractors like Hulscher if none specified.

Others

None of the other carriers shown on the map offer response capability according to Mr. Donahue at Chemtrec.

SUMMARY.

From the carriers' responses, I would urge VC panel members to contact carriers using the Panel's evaluation criteria when they are adopted, to determine what contractors the Panel wishes to include in its response plans, and add them to the Maps.

## 8/1/93 VC Net Map Revisions

### PACKING LIST

#### CMA VC Panel Materials

Note: All information updated to 8/1/93. Anticipated future changes not shown.

| Item | Quantity | Description                                                                                                                          |
|------|----------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1    | 1 copy   | 24"x33" full color VC Net map                                                                                                        |
| 2.   | 1 copy   | set of 2 8-1/2"x 11" full color reduction of VC Net map, for reproduction and assembly by CMA into 11 x 17 handout for Panel Members |
| 3.   | 1 copy   | 11 x 17" full color enlargement of Gulf Coast area of VC Net map                                                                     |
| 4    | 1 copy   | Table showing Railroad response capabilities shown on VC Net maps. for reproduction on the back of Item 2 above.                     |
| 5    | 1 copy   | Table showing VC shipper response capabilities shown on VC Net maps, for reproduction on the back of Item 2 above.                   |
| 6    | 1 copy   | Summary of changes from previous Maps.                                                                                               |

## 8/1/93 VC Net Map Revisions

### Item 6. Summary of changes in 8/1/93 revision.

1. Changed traffic flow symbols to reduce map clutter as follows:
  - a. Routes with heavy traffic flows (>7 cars per day) are traced with darkest shading
  - b. Routes with medium traffic flows (3-7 cars per day) shown with striped shading
  - c. Routes with 0 - 3 cars per day shown with no shading. Note that routes with no shading may be inactive from time to time, depending on supply and demand fluctuations.
2. Added numerous routes and changed traffic densities as supplied by Panel members.
3. Replaced previously used symbols for response capability with company codes and response capabilities in a red box near the location of the response capability.
4. Replaced company code at all sites previously operated by BFG to GEON.
5. Deleted all references to future or planned changes, and show only those changes in effect on August 1, 1993.
6. Added response radii for OHM and EMTECH, using data from their contracts. Note that OHM circles are for 4 hour response times, EMTECH circles for 3 hour response times.
7. Changed legend box and overprinted it on unused portion of map to reduce map space requirements.
8. Changed Map revision date.
9. Printed enlarged view (blowup) of Gulf Coast portion of map. Panel had suggested "city map blowup" on map, but with routing and other changes did not leave sufficient space on map for this approach, so a separate 11 x 17" enlargement was provided.
10. Added 100 mile radii for VISTA locations, corrected Illiopolis, other non-substantive appearance changes.
11. Contacted carriers shown on maps to update response capabilities for map. See separate report of the results of these contacts.
12. Created tables showing VC Net, Contractor and Railroad response capabilities for printing on back of VC net map, and provided file to CMA on disk for future updating.

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### Response Capability Categories for Railroads

- Team = more than one trained person with hardware and protective equipment, able to respond to VCM incident/accident with potential or actual release
- Capping Kit = one or more trained individuals with PPE, capping kit, available to stop a valve/safety valve leak.
- Transfer equipment = team + equipment to transfer VCM contents from one car to another.
- Advisory team = one or more trained persons available to assist local authorities/carrier with technical guidance during response; no suits, equipment.

| <b>Southern Pacific<br/>Locations</b> | <b>ST</b> | <b>Team +<br/>Capkits</b> | <b>Team<br/>only</b>  | <b>Advisory team<br/>8-5 M-F</b> | <b>Cap kits<br/>only</b>    | <b>Transfer<br/>equipmt</b> |
|---------------------------------------|-----------|---------------------------|-----------------------|----------------------------------|-----------------------------|-----------------------------|
| Lafayette                             | LA        |                           | Y                     | 318 261 3678                     |                             |                             |
| Houston                               | TX        |                           | Y                     | 223 6304 6305                    |                             |                             |
| Pine Bluff                            | AR        |                           | Y                     | 501 541 1784                     |                             |                             |
| San Antonio                           | TX        |                           | Y                     | 210 224 3547                     |                             |                             |
| Los Angeles                           | CA        |                           | Y                     | 714 873 3092                     |                             |                             |
| Sacramento                            | CA        |                           | Y                     | 916 791 5241                     |                             |                             |
| Oakland                               | CA        |                           | Y                     | 510 891 7729                     |                             |                             |
| Portland                              | OR        |                           | Y                     | 503 220 4424                     |                             |                             |
| Kans City -potential                  | MO        |                           | (x)                   |                                  |                             |                             |
| Tuscon -potential                     | AZ        |                           | (x)                   |                                  |                             |                             |
| <b>Union Pacific<br/>Location</b>     | <b>ST</b> | <b>Team +<br/>Capkits</b> | <b>Team<br/>only*</b> | <b>Cap kits<br/>only</b>         | <b>Transfer<br/>equipmt</b> |                             |
| Addis/BatonRouge                      | LA        |                           | X                     |                                  |                             |                             |
| Avondale9/15                          | LA        |                           | P                     |                                  |                             |                             |
| Cheyenne                              | WY        |                           | X                     |                                  |                             |                             |
| Fort Worth                            | TX        |                           | X                     |                                  |                             |                             |
| Kansas City                           | KA        |                           | X                     |                                  |                             |                             |
| Laredo                                | TX        |                           | P                     |                                  |                             |                             |
| Las Vegas9/15                         | NV        |                           | P                     |                                  |                             |                             |
| Los Angeles                           | CA        |                           | X                     |                                  |                             |                             |
| N Little Rock                         | AR        |                           | X                     |                                  |                             | X                           |
| N Platt                               | NE        |                           | X                     |                                  |                             |                             |
| Omaha                                 | NE        |                           | P                     |                                  |                             |                             |
| Pocatello                             | ID        |                           | X                     |                                  |                             |                             |
| Portland                              | OR        |                           | X                     |                                  |                             |                             |
| Reno                                  | NV        |                           | X                     |                                  |                             |                             |
| Salt Lake City                        | UT        |                           | X                     |                                  |                             | X                           |
| San Antonio                           | TX        |                           | P                     |                                  |                             |                             |
| Seattle                               | WA        |                           | P                     |                                  |                             |                             |
| Spring TX                             | TX        |                           | X                     |                                  |                             |                             |
| St Louis                              | MO        |                           | X                     |                                  |                             |                             |
| Stockton9/15                          | CA        |                           | P                     |                                  |                             |                             |

**Response Capability categories for VCNET members**

xxx-T = team + equipment able to handle transfer of VCM contents from one car to another.,  
xxx-K = one or more trained individuals with capping kit, able to stop a valve or sv leak.  
xxx-R= one or more trained individuals, with hardware and protective equipment, able to  
respond to VCM derailment/incident/accident with potential or actual release  
xxx-A = one or more trained persons available to assist local authorities/carrier with  
technical VCM information and guidance during non-derailment response.

| Company | Location        | Map Response category | Updated as of | Remarks |
|---------|-----------------|-----------------------|---------------|---------|
| BCP     | Geismar         | BCP-K                 | 8/1/93        |         |
| BCP     | Illioopolis     | BCP-K                 | 8/1/93        |         |
| DOW     | Freeport        | DOW-K                 | 8/1/93        |         |
| DOW     | Ft Saskatchewan | DOW-K                 | 8/1/93        |         |
| DOW     | Joliet          | DOW-A                 | 8/1/93        |         |
| DOW     | LaPorte         | DOW-R                 | 8/1/93        |         |
| DOW     | Midland         | DOW-K                 | 8/1/93        |         |
| DOW     | Pittsburg       | DOW-K                 | 8/1/93        |         |
| DOW     | Plequamine      | DOW-K                 | 8/1/93        |         |
| DOW     | Sarnia          | DOW-K                 | 8/1/93        |         |
| DOW     | Torrance        | DOW-R                 | 8/1/93        |         |
| FPC     | Baton Rouge     | FPC-A                 | 8/1/93        |         |
| FPC     | Pt Comfort      | FPC-A                 | 8/1/93        |         |
| FPC     | Reybold         | FPC-A                 | 8/1/93        |         |
| GEON    | Calvert City    | GEON-K                | 8/1/93        |         |
| GEON    | LaPorte         | GEON-K                | 8/1/93        |         |
| GEON    | Louisville      | GEON-A                | 8/1/93        |         |
| GEON    | Niagara Falls   | GEON-A                | 8/1/93        |         |
| GEON    | Pedricktown     | GEON-A                | 8/1/93        |         |
| GCC     | Addis           | GCC-K                 | 8/1/93        |         |
| GCC     | Plequamine      | GCC-K                 | 8/1/93        |         |
| GCC     | Reybold         | GCC-A                 | 8/1/93        |         |
| OXY     | Addis           | OXY-K                 | 8/1/93        |         |
| OXY     | Burlington      | OXY-A                 | 8/1/93        |         |
| OXY     | Pasadena        | OXY-A                 | 8/1/93        |         |
| OXY     | Plequamine      | OXY-K                 | 8/1/93        |         |
| OXY     | Pottston        | OXY-R                 | 8/1/93        |         |
| OXY     | Deer Park       | OXY-K                 | 8/1/93        |         |
| PPG     | Lake Charles    | PPG-R                 | 8/1/93        |         |
| VISTA   | Aberdeen        | VISTA-A               | 8/1/93        |         |
| VISTA   | Lake Charles    | VISTA-A               | 8/1/93        |         |
| VISTA   | Oklahoma City   | VISTA-A               | 8/1/93        |         |

BCP = Borden Chemicals  
DOW = DOW Chemical  
FPC = Formosa Plastics  
GGC = Georgia Gulf

GEON = Geon  
OXY = Occidental  
PPG = PPG Industries  
VISTA = Vista Chemical

### Response Capability categories for VCNET ContractorS

T = team + equipment able to handle transfer of VCM contents from one car to another.,  
 K = one or more trained individuals with capping kit., able to stop a valve/safety valve leak.  
 R= one or more trained individuals, with hardware and protective equipment, able to respond to VCM derailment/incident/accident with potential or actual release  
 A = one or more trained persons available to assist local authorities/carrier with technical VCM information and guidance during non-derailment response.

| Company | Location      | Response category | Updated as of | 4 hr radius/ Remarks |
|---------|---------------|-------------------|---------------|----------------------|
| OHM     | Atlanta       |                   | 8/1/93        |                      |
| OHM     | Baltimore     |                   | 8/1/93        |                      |
| OHM     | BatonRouge    |                   | 8/1/93        |                      |
| OHN     | Boston        |                   | 8/1/93        |                      |
| OHM     | Chicago       |                   | 8/1/93        |                      |
| OHM     | Denver        |                   | 8/1/93        |                      |
| OHM     | Findlay       |                   | 8/1/93        |                      |
| OHM     | Lansing       |                   | 8/1/93        |                      |
| OHM     | Los Angeles   |                   | 8/1/93        |                      |
| OHM     | Minneapolis   |                   | 8/1/93        |                      |
| OHM     | Pittsburgh    |                   | 8/1/93        |                      |
| OHM     | Princeton     |                   | 8/1/93        |                      |
| OHM     | Redmond       |                   | 8/1/93        |                      |
| OHM     | Richmond      |                   | 8/1/93        |                      |
| OHM     | San Francisco |                   | 8/1/93        |                      |
| OHM     | St Louis      |                   | 8/1/93        |                      |
| OHM     | Syracuse      |                   | 8/1/93        |                      |
| EMTECH  | Houston       |                   | 8/1/93        |                      |
| EMTECH  | Fort Worth    |                   | 8/1/93        |                      |
|         |               |                   |               |                      |
|         |               |                   |               |                      |