**To:** Adm13McCarthy, Gina[Adm13McCarthy.Gina@epa.gov]; Deputy Administrator[62Perciasepe.Bob73@epa.gov]; KeyesFleming, Gwendolyn[keyesfleming.gwendolyn@epa.gov]; Stanislaus, Mathy[Stanislaus.Mathy@epa.gov]; Feldt, Lisa[Feldt.Lisa@epa.gov]; Ganesan, Arvin[Ganesan.Arvin@epa.gov]; Reynolds, Thomas[Reynolds.Thomas@epa.gov]; Johnson, Alisha[Johnson.Alisha@epa.gov]; Stoner, Nancy[Stoner.Nancy@epa.gov]; Vaught, Laura[Vaught.Laura@epa.gov]; Distefano, Nichole[DiStefano.Nichole@epa.gov]; Hull, George[Hull.George@epa.gov]; Stanton, Larry[Stanton.Larry@epa.gov]; Breen, Barry[Breen.Barry@epa.gov]
**Cc:** Early, William[Early.William@epa.gov]; Hodgkiss, Kathy[Hodgkiss.Kathy@epa.gov]; Capacasa, Jon[Capacasa.jon@epa.gov]
**From:** Garvin, Shawn
**Sent:** Sun 1/12/2014 8:11:20 PM
**Subject:** Fw: FEMA NWC SPOTREP#10 - Chemical Leak - West Virginia
FEMA NWC SPOTREP#10 Chemical Leak - West Virginia.docx

Here is FEMA's most recent update:

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**From:** Tierney, MaryAnn <MaryAnn.Tierney@fema.dhs.gov>
**Sent:** Sunday, January 12, 2014 1:31:41 PM
**To:** Garvin, Shawn
**Subject:** Fw: FEMA NWC SPOTREP#10 - Chemical Leak - West Virginia

Based on a briefing I had with WV emergency management if the sampling continues to trend down and the system flush goes as plan this looks to be resolved Monday or Tuesday.

MaryAnn Tierney
Regional Administrator
FEMA Region III

215-687-3090 (m)

**From**: FEMA-NWC
**Sent**: Sunday, January 12, 2014 12:53 PM
**To**: Adsit, David; Behnke, Matthew; Casey, Wanda; CRC-Continuity-Watch; DCHSEMA Joint All Hazards Operations Center <EMADC.ECC@dc.gov>; FEMA OPERATIONS CENTER; FEMA TOP LEVEL MANAGERS; HHS; Hylton, Roberto; IMAT-East; Ives, Robert; jfhq.ncrcc@tsa.dhs.gov <jfhq.ncrcc@tsa.dhs.gov>; klafoucade@dspmo.org <Ex. 6 - Personal Privacy>; Michael McCoy Ex. 6 - Personal Privacy; NOAA-LNO; NOC.SWO.Restricted; Pentagon J3 <js.pentagon.j3.list.jdoms@mail.mil>; Rodriguez, Jose I; Singleton Sr, Jacques; Raymann, Thomas; Burkett, Ronald (OGA); Customs and Border Patrol (CBP) <jessica.brand@dhs.gov>; Daniel Porter (NOAA) <daniel.porter@noaa.gov>; Villoch, Deborah; Jacques, Richard; Maycock, Brett; DOJ/ATF (ESF 13) <asia.mills@atf.gov>; Flores, Richard; Hall, Carol (OGA); Hunt, Michael LCDR (OGA); FEMA-IGA; Kooper, Ronald (OGA); Hatley, Thomas (OGA); MacIntyre, Anthony (OGA); Macintyre, Anthony; Porter, Daniel (OGA); FEMA-PSR; Scharfenberg, Kevin <kevin.scharfenberg@noaa.gov>; Schargorodski, Spencer (OGA); Flores, Richard; Sholas, Mac (OGA); Irwin, William (OGA); USNORTHCOM (for FEMA Logistics) <steven.boycourt@associates.dhs.gov>; Vonahan, Joan <joan.vonahn@noaa.gov>; Albright, Thomas <thomas.albright@ic.fbi.gov>; Amparo, Alex; Anderson, Lars; Apodaca, Michael; Asst Secretary for DOE <pat.hoffman@hq.doe.gov>; Biasco, Lon; Blanchard-Mbangah, Shauna M; Breslin, Thomas; Bresnahan, Michael; Brewster, Jared; Buras, Ryan; Burgess, Steven; Camp, Gwen; Campbell, Pauline; Carleton, John; Carlyle, Robert; Coen Jr, Michael; Dorko, Jeffrey; Dozor, Joshua; Dunn-Alexander, Roslyn; ESF-06-MASS-CARE; FEMA-LRC-Chief; FEMA-NWC-NCR-Watch; FEMA-R8-RRCC-DIRECTOR; FEMA-Recovery-Reports; Fields, Kathy; Fox, Kathleen; Fugate, Craig; Gammon, Carla; Garner, Kenneth; Geiger, Paul; George, Michael S; Gillis, Carmeyia;

Gonzalez, Waddy; Gorman, Chad; Green, Matthew; Grimm, Michael; Gruber, Corey; Hart, Patrick; Hastings, Thomas <thomas.hastings@ic.fbi.gov>; HQ-OEA Directors; IMAT-BLUE; I-MAT-Red-Legacy; IMAT-White; Rabin, John; Jones, Berl; Jones, Julius M. Jr <Julius.M.Jones@fema.dhs.gov>; Juskie, John; Kaufman, David; Keldsen, Donald; Kieserman, Brad; Kirin, Alexandra; Kish, James; Kittrie, Zachary; Koziol, Lauralee; Lapinski, Michael; Lewis, Leviticus; Liggett, Christopher; MacKendrick, David; Madden, Marc; Madsen, Cassandra; Manning, Timothy; Matia, Matthew; McFall, Stewart; Miller, David; Miller, Janice; Millett, James (Greg); Millican, Mark; Misczak, Mark; Mission Support Senior Leadership; Monrad, Terry <Terry.Monrad@fema.dhs.gov>; Murray, Lucy; Nelson, James2; Niedernhofer, Nancy; O'Boyle, Seamus; Onieal, Denis; Owens, Douglas W; Parker, Robert; Penn, Damon; Peterson, Mark J; Podolske, Lew <Lew.Podolske@fema.dhs.gov>; Porter, Charlotte; Rave, Joan; Robinson, David M; Roche, William; Russell, Glen; Saunders, Steve; Scully, Brian; Serino, Richard; Smith, Eric (LMD); Smith, Heather R; Stills, Nancy; Stockholm, Terry; Strachan, Heather; Stroud, Stephen (OGA); Tamillow, Michael; Vaughan, Christopher; Walke, James; Ward, Cassandra; Wells, Tod; Wenger, Avital; Williams, Dwight M; Woodruff, Alexandra; IMAT-East; IMAT-West; Costello, Robert L-FEMA; FEMA-LMD-PE; Stewart, James M (LMD); Woodard, Steven <Steven.Woodard@fema.dhs.gov>; Green, Diane; Marti, Luz C; Welker, Catherine; Blaz, Christopher; Davenport, Joseph; Flint, Susan; Gill, Christopher; Jackson, Daphine; Johnson II, Samuel; King, Stephen; Lee, Sandra; Lee, Stanford K; Lynch, Leea; Miller, Tyler; Ngim, Linda; Patterson, Johnny; Perkins, Freddie; Proska, Glenn; Rosenberger, Jennifer; Rush, Timothy; Soucie, Eric; Tierney, Kathleen; White, Eric; Williams, Naron; Wilson, Joseph; Woodruff, Dexter; Applebee, Brian; Bryan, Lona; Clark, Debra; Hardy, James J; Koren, Elizabeth; Leman, Erik; Levy, Craig; Paone, Christopher (OGA) <Christopher.Paone@associates.fema.dhs.gov>; Peerbolte, Stacy; Quinlan, Bronwyn; Sabata, Andrew; Screen, Ronnie; FEMA-MOC-BOTHELL; FEMA-MOC-DENTON; FEMA-MOC-DENVER; FEMA-MOC-FREDERICK; FEMA-MOC-MAYNARD; FEMA-MOC-THOMASVILLE; FEMA-R03-RRCC-WATCH; FEMA-R2-WatchOfficer; FEMA-R4-WatchUnit; FEMA-R5-Watch; FEMA-R5-Watch; FEMA-R6-Watch; FEMA-R7-WatchOps; FEMA-R8-DutyOfficer; FEMA-R9Watchofficer; Blong, Clair; NORTHCOM Cntr <Ex. 6 - Personal Privacy>; NORTHCOM Command Center; NORTHCOM Interagency <Ex. 6 - Personal Privacy> Farmer, Robert; FEMA-NWC; FEMA-NWC-TMT; Fenton, Robert; Flinn, Richard D; Ingram, Deborah; Nimmich, Joseph; Washington, Russell; Yi, YunChong; Zimmerman, Elizabeth; Armes, Karen; Don Boyce - Reg I <Don.Boyce@fema.dhs.gov>; Ford, Paul; Freeman, Arthur; Freeman, Beth; Gore, Doug; Hatfield, Jerome; Loper, Sharon; May, MajorPhillip; Miller, Mary Lynne; Murphy, Kenneth; Odeshoo, Janet; Robinson, Tony; Tierney, MaryAnn; Velasquez, Andrew; Ward, Nancy; Ward, Steven S.; Welch, Robert
**Subject**: FEMA NWC SPOTREP#10 - Chemical Leak - West Virginia

**FEMA National Watch Center**

**Chemical Leak – West Virginia**

**Spot Report #10**

**January 12, 2014**

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**Reporting Unit/Org:** FEMA National Watch Center (NWC)

**Type of Incident:** Chemical Leak – West Virginia

**Date/Time of Incident:** January 9, 2014 and continuing

**Source of Information:** FEMA Region lll, LMD, HHS SOC, EPA

**Background:**

On January 9, 2014, Freedom Industries, a producer of specialty chemicals for the mining, steel, and cement industries, had leaked between 5,000 and 7,500 gallons of the chemical *4-methylcyclohexane methanol (MCHM)* into the Elk River, near the Kanawha Valley Water Treatment Plant in Charleston, West Virginia.

The leak affected the water supply for residents in nine counties—Boone, Jackson, Kanawha, Lincoln, Putnam, Cabell, Clay, Logan and Roane. Although the leak was stopped, a Do Not Use Order was implemented, and approximately 100,000 customers (300,000 residents) may not use the water for drinking, bathing, cooking or washing.

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**Situation:**

· EPA is at the spill site advising the State on containment, remediation and soil monitoring. *(3366-EM-WV, SITREP #10)*

· The U.S. Center for Disease Control (CDC) determined that drinking water is protective of public health at an MCHM level at or below one part per million (1 ppm). *(3366-EM-WV, SITREP #10)*

· An interagency group consisting of the West Virginia Bureau for Public Health, West Virginia American Water, Army National Guard Civil Services Team, West Virginia Department of Environmental Protection, and other subject matter experts, is working to assess water quality. *(3366-EM-WV, SITREP #10)*

· The State is currently conducting water testing across the impacted area and intends to continually test outflow of the water plant and seek to observe 24 consecutive hours of readings below 1.0 ppm. Simultaneously, they are testing key points in the 1,700 mile pipeline system to ensure the preponderance of the readings are at or below the 1.0 ppm level. If both those milestones are achieved, they will announce a systematic plan to purge lines and bring elements of the water system back on line. *(3366-EM-WV, SITREP #10)*

· Results from the most recent test samples indicate readings are dropping. (FEMA Region III)

· There are no reports of unmet needs at hospitals in the area; since Thursday there have been 122 patients treated and released at 10 hospitals in the area with 5 disaster related admissions. *(3366-EM-WV, SITREP #10)*

· WV State Health Operations Center screened all hospitals, long term care facilities and dialysis centers, and there are no unmet needs.

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**FEMA Logistics:**

Region III RRCC, FSA, and NRCC ESF 7 representatives continue to coordinate delivery of commodities. As of 12:00 pm EST, January 12:

| Resource | Destination | Requirement | Ordered | Shipped | TOTAL Received | TOTAL Issued to WV |
|---|---|---|---|---|---|---|
| Water | FSA Charleston | 1,400,000 | 1,483,494 | 1,483,494 | 1,483,494 | 2,237,424 |
| Meals | FSA Charleston | 100,000 | 133,696 | 133,696 | 133,696 | 133,696 |
| Water | FSA Charleston | 800,000 | 800,000 | 782,730 | 753,930 | |
| Water | FSA Charleston | 800,000 | 1,600,000 | 432,652 | RDD 01/12/14 | |
| Water | FSA Charleston | 800,000 | 1,200,000 | 217,536 | RDD 01/13/14 | |

· Requirement for 1.4M liters water and 100K meals complete

o All of these resources have been issued to the State

· Requirement for 800k liters of water, Saturday

o 782k liters shipped from Frederick and Cumberland

o 2 trucks enroute; upon arrival, these should complete the Saturday requirement

· Requirement for 800k liters of water, Sunday

o Additional 800k liters procured via OCPO (total of 1.6 million liters)

o 8 of 43 truckloads of water have arrived at FSA; remaining should arrive early afternoon Sunday

· Requirements for 800k liters of water, Monday

o LMD added an additional 400k liters for a total of 1.2 million liters; sourced from Frederick, Atlanta, and Cumberland

o Trucks loading at all locations for shipment today

**FEMA Headquarters:**

· NRCC is activated to Level III with ESF-7; NWC is at Watch/Steady State (24/7)

· Declaration Activity:

o Emergency Declaration FEMA-3366-EM-WV was approved on January 10, for 8 counties (Boone, Clay, Jackson, Kanawha, Lincoln, Logan, Putnam and Roane)

o Amendment 1 - Added Cabell County for emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program on January 10, 2014.

**FEMA Region III:**

- RRCC is activated to Level II, all ESFs released to Field Ops; RWC remains at Watch/Steady State

- IOF has been established in Charleston, WV with Type III IMAT and LNO in place

*West Virginia:*

- WV EOC remains at Level I (Full Activation)

- Governor declared state of emergency for 9 counties

**Follow-up:**

- The FEMA NWC will remain engaged with FEMA Region III to provide additional reports, as information becomes available.

- WebEOC Incident: "FEMA_RIII_Charleston_WV_20140109_Chemical Leak"

**Prepared by:** FEMA National Watch Center (NWC), 202-646-2828

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