

**ATTACHMENT 16 – *MICHIGAN DEPARTMENT OF COMMUNITY HEALTH SITUATION REPORT***

# Agency Situation Report

\*Red Label: indicates a required field.

**\*Agency:**

MI Dept of Community Health

**\*Operational Readiness:**

 Green-Normal Operations

**County:**

**Related Event/Incident/Activity:**

[E - Calhoun County Oil Spill 7/26/10](#)

**\*Jurisdiction:**

Statewide

**City:**

**State:**

MI

**Geographic Area:** (Region, District, Campus, etc).

## SITUATION SUMMARY

[08/04/2010 at 09:00 EDT Community Health--State Emergency Operations Center-](#)

The SEOC resumed operations at 8:00 AM. Karen Krzanowski is on duty, but will be moving between the SEOC and the Office of Public Health Preparedness throughout the day. Karen can be reached via cell, (517)

Pete Coscarelli is serving as CHECC Duty Officer, (517)

Dr. Linda Dykema is the MDCH representative to Unified Command. Today she on the scene with Jennifer Gray, toxicologist, and Michelle Bruneau, health educator.

[08/03/2010 at 17:08 EDT Community Health--State Emergency Operations Center-](#)

5:00 PM – SEOC operations were suspended at 5:00. MSP-EMHSD personnel will remain on-duty overnight. The SEOC will resume operations tomorrow morning at 8:00. Karen Krzanowski will be in the SEOC, (517) Pete Coscarelli will serve as CHECC Duty Officer, (517)

[08/03/2010 at 16:47 EDT Community Health--State Emergency Operations Center-](#)

4:00 PM – Dr. Dykema provided the following situational update:

- Today, Dr. Dykema went up in a helicopter to survey the scene. She said the river looks pretty good; the recovery effort is going well.
- Calhoun County Public Health Department is working to obtain information on all evacuees so they can be notified of situational updates and re-entry decisions.
- The evacuation decision tree was approved by Unified Command. The re-entry decision tree was submitted to Unified Command for approval, its status is pending. Dr. Dykema will provide copies of both documents when they become available.
- A sampling plan for re-entry is under development.
- There continue to be areas of public health concern, particularly a day care center and a trailer park located in the vicinity of the leak (“ground zero”). The surveillance team attempted to interview residents of the trailer park. There are 119 sites; 76 sites are rented; 26 households were interviewed on 8/2/10. Of the 26 interviewed, 21 reported symptoms (81 percent). No air concentrations of concern have been detected, but odor continues to be a problem. Weather inversions in the early morning and evening intensify the odor. Air sampling continues.
- Tomorrow, Aug. 4, Dr. Dykema will continue to represent MDCH in Unified Command. Her on-scene team will include: Michelle Bruneau, Jennifer Gray, Sue Manente and, possibly, Lisa Quiggle.

[08/03/2010 at 16:46 EDT Community Health--State Emergency Operations Center-](#)

2:00 PM – Martha Stanbury, of the MDCH Environmental Health Division, hosted a conference call for the surveillance team. The purpose of the call was to establish the case definition, the data collection process, and the strategy for getting clinicians to report cases.

[08/03/2010 at 09:35 EDT Community Health--State Emergency Operations Center-](#)

8:45 AM – The SEOC resumed operations this morning at 8:00. Karen Krzanowski is on duty, (517) Mary Macqueen is serving as CHECC Duty Officer, (517)

Dr. Linda Dykema is the MDCH representative to Unified Command. She is on the scene with another toxicologist, Jennifer Gray, and two health educators, Michelle Bruneau and Sue Manente.

Dr. Dykema reported that the public meeting last evening went very well. “It was well-attended; Jim

Rutherford presented the public health briefing; and, people were generally happy to see us and thanked us for providing information.”

This morning, a member of this team will be part of the 10:00 Tactical Meeting so the team will know where along the river work will be done today and assure the air monitoring teams are in those areas too.

The MDCH team will follow-up with the owner of a day care center who had some concerns. Air samples were taken. Dr. Dykema will review the data and follow-up with the owner.

Some residents of a trailer park in the area have concerns. Dr. Dykema will review the air monitoring data from that area and will follow-up.

[08/02/2010 at 16:55 EDT Community Health--State Emergency Operations Center-](#)

4:30 PM – The SEOC will suspend operations today at 5:00 PM. Operations will resume tomorrow at 8:00 AM. Karen Krzanowski will be on duty and is available via cell (517) . Mary Macqueen continues as CHECC Duty Officer tonight and tomorrow. She is available via cell (517)

Dr. Dykema and her team are at the Calhoun County EOC. They will participate in the public meeting tonight at 7:00 PM. Tomorrow (Aug. 3) Dr. Dykema will continue serving as the MDCH representative to Unified Command.

[08/02/2010 at 16:09 EDT Community Health--State Emergency Operations Center-](#)

3:55 PM – James McCurtis, MDCH-PIO, reported the following:

- Today James served in the JIC. Tomorrow and Wednesday, Aug. 3 & 4, MDCH will not have personnel in the JIC. On Thursday and Friday, Aug. 5 & 6, Kelly Niebel will represent MDCH in the JIC. (Note: State agency PIOs are taking turns in the JIC.)
- For the public meeting this evening, Dr. Linda Dykema and her team will participate. James will not be attending.

[08/02/2010 at 15:41 EDT Community Health--State Emergency Operations Center-](#)

3:25 PM – Dr. David R. Wade, Director of the MDCH Environmental Health Division, reported the following information:

- MDCH has established a health surveillance team in collaboration with the Calhoun County Public Health Department. The team is putting together a surveillance plan that includes: syndromic surveillance, surveillance through the Michigan Poison Control Center (PCC), and active surveillance of area hospital emergency departments (EDs). The purpose of the emergency department surveillance is to gather data on persons visiting EDs with health complaints associated with the oil spill. This supplements other surveillance efforts already in place, which include those by the PCC and MDCH syndromic surveillance.
- To date, 26 individuals have gone to EDs with complaints of illness due to the oil spill. In addition, 29 individuals have contacted the PCC with questions regarding the oil spill. Approximately 35 percent of calls to the PCC were categorized as "minor effect." The majority of calls required no follow-up.
- The health surveillance team is updating data and the numbers will be presented during the public meeting tonight.

[08/02/2010 at 13:20 EDT Community Health--State Emergency Operations Center-](#)

12:20 PM – Dr. Dykema reported the following information:

- The MDCH field team is preparing for the public meeting that will be held today at 7:00 PM. The Environmental/Public Health Branch of Unified Command will hold a pre-meeting at 4:00 PM. The pre-meeting will be held at Marshall Elementary School, 705 North Marshall. Participants are advised to arrive at 3:45 PM for security clearance and badging. Participants must display their State identification.
- The MDCH field team is working ‘hand-in-hand’ with EPA personnel and with the EPA’s contractor. Everything Dr. Dykema has requested from the EPA has been provided.
- The Public Health Unit completed the Evacuation Decision Tree and submitted it to Unified Command for approval.

- The Re-Entry Decision Tree is being finalized and will be submitted to Unified Command for approval.
- The EPA mobile laboratory is operating. It is capable of detecting Benzene and other chemicals of public health concern at a significantly lower level than state and local laboratory capabilities (i.e., it is significantly more sensitive).
- Odor continues to be a problem.

[08/02/2010 at 08:52 EDT Community Health--State Emergency Operations Center-](#)

The SEOC resumed operations at 8:00 AM. Karen Krzanowski is on duty, (517)

Mary Macqueen is serving as CHECC Duty Officer, (517)

Dr. Linda Dykema is representing MDCH as part of Unified Command in Calhoun County. Today she is joined by two health educators, Michelle Bruneau and Sue Manente. Later today they will be joined by three more toxicologists: Mr. Kory Groetsch, Jennifer Gray, and Lisa Quiggle.

James McCurtis, MDCH-PIO, is serving in the JIC, (517)

Dr. Dykema reports that an EPA mobile laboratory arrived and is operational. It is not the "TAGA-Lite" unit that was previously reported. Instead, it is a Gas Chromatography/Mass Spectrometry (GC/MS) unit.

[08/01/2010 at 17:56 EDT Community Health--State Emergency Operations Center-](#)

5:50 PM – The SEOC suspended operations at 5:00 PM; MSP-EMHSD personnel will be on duty overnight. SEOC operations will resume tomorrow morning at 8:00. Karen Krzanowski will be on duty in the SEOC. Mary Macqueen will serve as CHECC Duty Officer. Dr. Linda Dykema will be on-scene as part of Unified Command.

[08/01/2010 at 17:48 EDT Community Health--State Emergency Operations Center-](#)

5:45 PM -- Dr. Linda Dykema reported-in. She will be back on-scene tomorrow morning (Aug. 2) and will resume serving as the MDCH point person on-scene. Dr. Dykema will participate in the public meeting, along with three toxicologists and two health educators to assist in the availability session that will follow the official briefings.

[08/01/2010 at 17:47 EDT Community Health--State Emergency Operations Center-](#)

5:10 PM – Tomorrow, Monday, August 2, the EPA, on behalf of Unified Command, will hold a public meeting to update area residents on the current status and future actions for the Enbridge oil spill. The public meeting will be held at 7:00 PM, at the Marshall High School, Auditorium, 701 North Marshall, Marshall, MI.

Federal, state and local officials will brief the public and then open up the meeting for questions from residents. Following the meeting there will be an opportunity to meet one-on-one with officials. This will be the first in a series of community meetings. The next meeting will be scheduled in Battle Creek.

The Environmental/Public Health Branch of Unified Command will hold a pre-meeting on Aug. 2, at 4:00 PM, at Marshall Elementary School, 705 North Marshall. (Note: The location might change.) The purpose of the pre-meeting is to review public health topics to be covered at the public meeting, such as: public health advisories related to recreational use of rivers, air quality, agricultural use of water for irrigation, etc.

James McCurtis, MDCH-PIO, is coordinating the department's participation in the public meeting, including talking points. Dr. Linda Dykema, of the MDCH Environmental Health Division, is coordinating the participation of MDCH subject matter experts (toxicologists).

[08/01/2010 at 15:03 EDT Community Health--State Emergency Operations Center-](#)

1:00 PM – Mark Johnson, of ATSDR, hosted a conference call to discuss the agricultural use of surface water (for irrigation and livestock watering). Participants on the call included representatives from: ATSDR, CCPHD, MDA, MDNRE, and MDCH. Previously, MDA issued an advisory to prevent agricultural exposure, but MDA does not have the legal authority to issue a ban. Based on water sampling results that detected analytes of public health concern, Jim Rutherford will issue a ban on the use of water from the Talmadge Creek and the Kalamazoo River west to the county line. MDA is working on obtaining a similar public health order from Kalamazoo County Health

Department, to extend the ban to the river's entrance point to Morrow Lake. The MDA advisory against irrigation downstream remains in place.

[08/01/2010 at 14:53 EDT Community Health--State Emergency Operations Center-](#)

12:50 PM – Jim Rutheford, Local Health Officer, Calhoun County, requested assistance with mass care. Calhoun County Public Health Department (CCPHD) has exhausted its resources for coordinating the re-location of evacuees and persons located outside the evacuation area who are affected by the spill and are requesting to be re-located. Jim's initial request for assistance was directed to the Dept. of Military & Veterans Affairs (DMVA)/Michigan National Guard. That request was pushed-up to the SEOC. An initial conference call was held between Jim Rutheford, the SEOC Logistics Chief, F/Lt. Ralph Hobrat, and Karen Krzanowski, SEOC Community Health Rep. Jim Rutheford estimates that in the range of 100-200 people need assistance with housing. Lt. Hobrat will investigate and initiate a follow-up conference call with Jim Rutheford

[08/01/2010 at 11:09 EDT Community Health--State Emergency Operations Center-](#)

James McCurtis, PIO for MDCH, is in the Joint Information Center (JIC) today. Landline: (269) . Cell: (517) . Currently he is developing FAQs for MDCH.

[08/01/2010 at 09:59 EDT Community Health--State Emergency Operations Center-](#)

The SEOC resumed operations at 8:00 AM. Karen Krzanowski is on duty, (517) , mdch@michigan.gov.

Pete Coscarelli is serving as CHECC Duty Officer, (517) .

The Incident Command Post (ICP), in Calhoun County, is operating 24/7 with shifts running 7:00 AM to 7:00 PM. MDCH personnel on the scene are Kory Groetsch, toxicologist, and Lisa Quiggle, of the Environmental Health Division. Kory provided the following update:

The latest air monitoring data, taken from 12:00 AM on July 30 through 12:00 AM on July 31, looked very good. Benzene was detected at very low levels; everything was below 10/ppb. Today data is being taken to determine re-occupancy of the evacuation area.

The EPA decided not to send one of its TAGA buses, however, the agency will send a portable laboratory that has much better air monitoring capabilities than currently available on the scene. Referred to as "TAGA-Lite," the unit is expected to arrive on-scene this evening and will be operational tomorrow (Aug. 2).

Today the public health team will be assessing surface water samples that were collected by DNRE. There will be a conference call this afternoon, at 1:00, with various agencies, including MDCH, to determine whether or not the water is safe for irrigating farmland.

[07/31/2010 at 17:04 EDT Community Health--State Emergency Operations Center-](#)

4:55 PM – The SEOC is standing-down at 5:00. Operations will resume tomorrow morning at 8:00. Karen Krzanowski will be on duty in the SEOC. Pete Coscarelli will serve as CHECC Duty Officer.

[07/31/2010 at 17:03 EDT Community Health--State Emergency Operations Center-](#)

4:35 PM – Kory Groetsch provided the following update:

No new public health issues. No new air data to be evaluated yet. Tomorrow, August 1, MDCH staff on-scene will be Kory and Lisa Quiggle.

[07/31/2010 at 17:02 EDT Community Health--State Emergency Operations Center-](#)

4:30 PM – The EPA hosted a news briefing at 3:00 PM. Following are key points:

The spokesperson for Enbridge reported major progress with clean-up efforts; the leak was stopped; and, Enbridge is in the process of digging-up the affected section of the pipeline for analysis.

EPA's spokesperson reported it is not satisfied with the company's work plans. EPA will host a public meeting on Monday, August 2, at 7:00 p.m. The public meeting will be held in the Auditorium of Marshall High School. Federal, state and local officials will be available. (Note: An MDCH representative might be needed for this meeting.) The EPA website provides more information about the oil spill response. [www.epa.gov/enbridgespill](http://www.epa.gov/enbridgespill)

Jim Rutherford, of CCPHD, reported on the hospital data, pointing-out that, while some new reports indicate large numbers of people being sickened by the spill, area hospital emergency departments have seen relatively small numbers of potentially spill-related cases. He reported the CCPHD hot-



line has received approximately 3,000 calls. There are 61 homes in the evacuation zone. About two-thirds of these have elected to stay. There were no new evacuations today. A re-entry decision-tree is complete. The “Yellow Zone” that was established yesterday (suspicious areas requiring more data), is clear. Air monitoring continues. Water samples taken from the Ceresco Area came back clear. An additional 20 samples were taken today for analysis.

[07/31/2010 at 13:41 EDT Community Health--State Emergency Operations Center-](#)

1:30 PM – The SEOC Operations Chief announced that the American Red Cross shelter closed last night. No one had used the shelter during the last three days.

[07/31/2010 at 13:08 EDT Community Health--State Emergency Operations Center-](#)

12:27 PM – Kory Groetsch provided the following update:

There has been no change in air quality data (no new data). There are no numbers that would trigger the evacuation decision tree. There are two trigger points. If the numbers are greater than 200/ppb, the local health officer will advise evacuation immediately. If the numbers are greater than 60/ppb and less than 200/ppb, additional air samples will be collected over the next 24-hour period to confirm the initial meter readings. If concentrations exceed 60/ppb, then the local health officer will advise evacuation. The re-entry decision tree is still in development.

Syndromic surveillance continues. Michelle Bruneau, of the MDCH Environmental Health Division, is on-scene, serving as liaison between MDCH and CCPHD. Jim Rutherford is sending CCPHD personnel to area hospitals to gather more information about possible oil spill related hospital visits. MDCH personnel are assisting CCPHD to develop a fact sheet on Benzene.

There is discussion about holding public meetings on Monday. MDCH personnel might need to participate. No details are available yet.

[07/31/2010 at 11:06 EDT Community Health--State Emergency Operations Center-](#)

10:45 AM – Kory Groetsch provided the following update:

The EPA maps are being updated and will be transmitted to the SEOC.

Jim Rutherford has been in touch with Jim Collins, of the MDCH Bureau of Epidemiology, Surveillance Division. Syndromic surveillance data has been provided to the local health department. This includes data from hospital emergency departments on the complaints people are presenting with.

The most recent air monitoring data is being verified. No action needs to be taken at this time, but the situation could change.

Dr. Mark Johnson, of Region V ATSDR, and one of his colleagues, are on the scene and working closely with state and local public health personnel.

[07/31/2010 at 08:16 EDT Community Health--State Emergency Operations Center-](#)

The SEOC resumed operations at 8:00 AM. Karen Krzanowski is on duty in the SEOC. She can be contacted at (517) \_\_\_\_\_ or (517) \_\_\_\_\_.

Pete Coscarelli is serving as CHECC Duty Officer. He can be reached at (517) \_\_\_\_\_. In addition, Pete is monitoring the 800 MHZ talk group - CHOPHP-1.

Mr. Kory Groetsch, toxicologist, and Ms. Lisa Quiggle, of the MDCH Environmental Health (EH) Division, are on the scene in Calhoun County. Kory replaced Dr. Linda Dykema. Kory can be reached at (517) \_\_\_\_\_.

At 8:30 AM, Kory reported the following information:

Today he and Lisa are continuing to work with Jim Rutherford, Local Health Officer, Calhoun County, and Paul McCoskey, Environmental Health Director, Calhoun County Public Health Department (CCPHD). Kory and Lisa are focusing on air quality data; Paul is looking at water quality. The EPA is creating a new map with data that came-in overnight. (Note: A direct link has been opened between the Calhoun Co. EOC and the SEOC so maps can be transmitted more readily.) Kory's initial impression this morning is the air quality is improving.

There are 61 homes in the evacuation area. Approximately 50 percent of the residents elected to remain in their homes.

On July 29, it was reported that the EPA was sending one of its Trace Atmospheric Gas Analyzer

(TAGA) buses to Calhoun County. It was expected to arrive in 12 hours. However, yesterday (July 30), the EPA Region V Administrator informed Dr. Dykema that the TAGA bus is not coming. The EPA might send a similar unit, but that decision is pending.

[07/30/2010 at 18:01 EDT Community Health--State Emergency Operations Center-](#)

The SEOC suspended operations at 5:00 PM. MSP-EMHSD personnel are on duty overnight. SEOC operations will resume tomorrow morning at 8:00. Karen Krzanowski is available via cell: (517) . Pete Coscarelli is also available via cell: (517) .

[07/30/2010 at 17:57 EDT Community Health--State Emergency Operations Center-](#)

3:15 PM – Dr. David R. Wade, Director of the MDCH Environmental Health (EH) Division, provided the following update:

- The EH Division continues to work with Mr. Jim Rutherford, Health Officer, CCPHD. They are developing a decision-tree for evacuation. They are also developing a decision-tree for re-entry based on a certain concentration of Benzene that air samples must be below; 60 parts per billion (ppb) Benzene is the re-entry threshold under discussion. A decision is pending.
- Yesterday (July 29), the EPA provided a map of the initial evacuation area (displayed in the color red), plus areas needing more data before an evacuation decision can be made (displayed in the color yellow). Today the yellow areas are looking good, so they probably will not need to be evacuated. However, other areas are of public health concern. Where booms are located the concentration of Benzene in the vicinity has increased. These areas could become a problem and could require evacuation.
- Week-end staffing is under discussion. Mr. Kory Groetsch, who is a toxicologist, will replace Dr. Linda Dykema on the scene in Calhoun County. Mr. Groetsch can be reached at (517) . It's possible that he will be the only MDCH personnel on-scene during the week-end.
- The EPA Safety Officer, Mr. Tom Crosetto, of the EPA's Chicago Office, is on-site; and MDCH personnel have been working with him.
- The Poison Control Center (PCC) is capturing data on all calls related to the oil spill. The PCC is recording each caller's name, the nature of their questions, and whether or not the caller is referred to a hospital emergency department.
- MDCH continues syndromic surveillance. In addition, MDCH is conferring with CCPHD on the need for more active surveillance (e.g., interviewing evacuees and persons who make ER visits or who are admitted to hospitals).

[07/30/2010 at 14:11 EDT Community Health--State Emergency Operations Center-](#)

The Region 5 Medical Coordination Center surveyed area health facilities regarding potential oil spill exposure and medical symptoms. Dr. Bill Fales, the Region 5 Medical Director, provided a report to the CHECC. In sum, while there have been some potential spill-related patients at area health facilities, the numbers are fairly small and have subsided in the past two days.

According to Dr. Fales, the regional epidemiologist has been doing heightened surveillance this week, particularly via the Emergency Department (ED) Surveillance System, and she reports no significant or notable trends or deviations from normal that could be attributed to the spill.

Dr. Fales will be out of the area starting this weekend and Dr. Jerry Evans (Region 6 Medical Director) will be covering for him.

[07/30/2010 at 11:24 EDT Community Health--State Emergency Operations Center-](#)

Karen Krzanowski is in the SEOC and can be contacted at (517) or (517) .

Pete Coscarelli is serving as CHECC Duty Officer. He can be reached at (517) .

At 10:30 AM, Dr. Linda Dykema, of the MDCH Environmental Health Division, provided the following situational update:

Dr. Dykema is in Calhoun County with three other division personnel: Korey Groetsch, Jennifer Gray, and Michelle Bruneau.

The Calhoun County Public Health Department (CCPHD) received analytical results for private well samples. All were "non-detect." That is, they are not showing any chemicals related to the crude oil release. Five wells located in the Ceresco Area were sampled. These wells tend to be shallower than

those located in other areas, so they are at higher risk. Even though spill-related chemicals were not detected in the samples, these wells will require monitoring for months, maybe a year, because spill-related chemicals take time to seep in.

Planning is underway for additional groundwater sampling. The CCPHD Environmental Health Director is taking the lead on this. He is working with DNRE drinking water personnel.

Dr. Dykema's team is taking the lead on air monitoring. They are reviewing data as it comes in. Some data came-in over night that is now being plotted.

Two personnel from the federal Agency for Toxic Substances and Disease Registry (ATSDR) arrived on the scene this morning. They are helping with the review of environmental data and with establishing protocols for evacuation.

In the area covered by the voluntary evacuation recommendation that was issued yesterday (July 29), about two-thirds of the residents elected to remain in their homes. They were concerned about leaving their homes unoccupied and about leaving pets, even though accommodations for pets were available. Dr. Dykema is not aware of any residents in this area reporting illness to the personnel who delivered the evacuation notice door-to-door.

[07/30/2010 at 08:38 EDT Community Health--State Emergency Operations Center-](#)

Last night, the State Epidemiologist, Dr. Corinne Miller, provided the following report:

The Bureau of Epidemiology will be receiving surveillance protocols from the CDC. They are the same protocols that are being used for the Gulf States. The bureau has a fellow from the Council of State & Territorial Epidemiologists (CSTE) who will coordinate them.

Michigan's Poison Control Center (PCC) has adapted some forms so they can deliver data to the MDCH Bureau of Epi. PCC data is one of the main data sources being used in the Gulf.

The CDC will also send protocols for syndromic surveillance. The CDC is interested in having the MDCH Bureau of Epi conduct active hospital surveillance. This would require the Bureau to send a team of epidemiologists to the scene. Asthma and cardiovascular disease exacerbations are of particular concern.

The Bureau of Epi will conduct active hospital surveillance in collaboration with the MDCH Office of Public Health Preparedness (OPHP), Hospital Preparedness Program. The federal Assistant Secretary of Preparedness and Response (ASPR) has a draft report on illness related to the Gulf Coast oil spill. OPHP has requested the draft report.

The MDCH Bureau of Epi was contacted by an Environmental Health professor at the University of Michigan who is interested in the potential for biomonitoring (human and fish). The bureau will be in touch with him.

[07/29/2010 at 17:36 EDT Community Health--State Emergency Operations Center-](#)

At 5:30 p.m. Dr. Dykema provided this update:

Teams from Calhoun County Health Department and the DCH Environmental Health Division are out in the field this afternoon contacting residents within the red zone shown on the EPA map of the evacuation area. Calhoun County developed fact sheets for the residents. Teams are going door-to-door and are expected to be out well into the evening.

Calhoun County has set up 3 locations where people can get bottled drinking/cooking water.

Affected residents will be given the locations when presented with their water advisory notice, and more information is available at (800) 3

Dr. Dykema requested additional staff from the R5 office of the Agency for Toxic Substances and Disease Registry. Mark Johnson, senior regional representative is en route with one other person and will be on-site by tomorrow morning. They will assist us in interpreting the data as it comes in and making recommendations for the protection of public health.

[07/29/2010 at 16:01 EDT Community Health--State Emergency Operations Center-](#)

Calhoun County Public Health Department (CCPHD) has issued a water advisory for residents directly affected by the Kalamazoo River Oil Spill. Residents affected include those with private wells living within 200 feet from the edge of the river bank between Talmadge Creek (site of oil spill) west along the Kalamazoo River to the Kalamazoo county line. The CCPHD water advisory is



attached.

[07/29/2010 at 15:55 EDT Community Health--State Emergency Operations Center-](#)

Calhoun County Public Health Department (CCPHD) is recommending immediate evacuation of residents directly affected in and around the site of the spill. This area affects approximately 30-50 homes North and Northwest of the oil spill site. The CCPHD news release is attached.

[07/29/2010 at 13:30 EDT Community Health--State Emergency Operations Center-](#)

At 1:00 PM, Dr. Dykema reported that Jim Rutherford, Health Officer, Calhoun County Health Department (CCHD), recommended voluntary evacuation of an area in the vicinity of Talmadge Creek. She provided an EPA map displaying the evacuation area plus areas where more data is needed. The file for the map, titled "Evacuation Recommendations," is too large to attach to E Team, however, it is available on request via email.

Paul McCoskey, CCHD Environmental Health Director, is assembling a team to go door-to-door and talk with residents in the evacuation area. MDCH personnel will be part of this team.

Dr. Dykema provided a second EPA map that was used for the Calhoun County well water briefing. As a precaution, Calhoun County Health Department will provide drinking/cooking water to residences within 200 feet on either side of the river. Some well samples were taken yesterday, no results yet BUT when they do come in, they must be interpreted with the caveat that volatile organic compound (VOC) concentrations in the air may cause contamination of the sampling jars.

[07/29/2010 at 10:44 EDT Community Health--State Emergency Operations Center-](#)

The Community Health Emergency Coordination Center (CHECC) is partially activated with a Duty Officer, Sue Shiflett. She can be reached at (517)

Dr. Linda Dykema, of the MDCH Environmental Health Division, is in the Calhoun County EOC. She has a team of four personnel from the division (Lisa Quiggle, Sue Manente, Chris Bush, and Jennifer Gray). The team's primary function is to provide technical support for the local health department. This morning Dr. Dykema reported the following activities:

Yesterday, groundwater samples were collected from private wells. However, there are contaminants in the air that could affect analysis of these water samples.

Air concentrations in the Talmadge Creek Area are of public health concern. The local health officer for Calhoun County, Mr. Jim Rutherford, will recommend voluntary evacuation of a corridor along Talmadge Creek that extends up to the intersection of Talmadge Creek and the Kalamazoo River. Calhoun County is putting together teams to go door-to-door in the evacuation area to talk with residents. MDCH personnel will be part of this team.

According to Dr. Dykema, an EPA mobile laboratory is en route to Calhoun County; anticipated arrival in 12 hours. This lab has the capability to conduct rapid testing with the required sensitivity.

[07/29/2010 at 08:23 EDT Community Health--State Emergency Operations Center-](#)

The SEOC resumed operations at 8:00 AM. A briefing will be held at 9:30 AM. Karen Krzanowski is on duty.

[07/28/2010 at 18:32 EDT Community Health--State Emergency Operations Center-](#)

The SEOC suspended operations at 5:00 PM. MSP-EMHSD personnel are on duty overnight.

Karen Krzanowski is leaving the SEOC at 6:40 PM but will continue to be available via cell (517)

The SEOC will resume operations tomorrow at 8:00 AM.

[07/28/2010 at 18:22 EDT Community Health--State Emergency Operations Center-](#)

At 6:10 PM Sue Manente provided an update from the MDCH field team.

Dr. Dykema is participating in a meeting on air monitoring. The immediate vicinity of Talmadge Creek is of concern. Protective action recommendations are being developed and will likely be issued this evening.

Calhoun County Health Department is developing recommendations for drinking water.

The American Red Cross opened a shelter at the Marshall Activity Center (MAC), 15325 West Michigan Avenue, Marshall, MI 49068. It has space for 50 people.

[07/28/2010 at 16:28 EDT Community Health--State Emergency Operations Center-](#)

The Calhoun County EOC has moved to 705 N. Marshall Road, Marshall, MI. It is operational. Dr. Dykema is there now and is participating in the EOC briefing. She will provide a report following that briefing.

The SEOC will suspend operations today at 5:00 pm. The SEOC will be operational from 8:00 am to 5:00 pm tomorrow (Thursday, July 29). The State Director recommends that all state agencies develop a staffing plan through Monday in case the SEOC needs to continue operations.

[07/28/2010 at 15:59 EDT Community Health--State Emergency Operations Center-](#)

At 3:50 PM Dr. Linda Dykema reported the following:

The Calhoun County EOC has moved to Marshall and is operational. The MDCH team is still working with the Enbridge contractor, the EPA, and Calhoun County Health Department to finish the air sampling plan. Dr. Dykema has conferred with ATSDR on the air screening values that should be used. ATSDR is sending the air screening values that were used in the Gulf.

There is no update yet on the well water situation. Jim Rutherford is working with the DNRE Drinking Water Division to identify the location of private wells and to develop a water sampling plan.

Fairly high levels of Benzene have been associated with the clean-up effort itself, where the booms are located, as the oil slick is disturbed, volatile organic compounds (VOCs) are off-gasing. MDCH will recommend monitoring at boom locations and, if high concentrations are detected on real-time monitors, then samples should be collected and sent on to laboratories for more rigorous testing to identify other chemicals that might be of public health concern.

The Calhoun County EOC will have its next briefing at 4:00 PM.

[07/28/2010 at 13:55 EDT Community Health--State Emergency Operations Center-](#)

The SEOC held a briefing at 1:00 PM. Following is a summary:

Weather permitting, MSP will do a fly-over at 2:00 PM to conduct direct aerial surveillance that will be filmed.

The National Weather Service (NWS) reports a line of showers and thunderstorms moving into the area. There is a severe thunderstorm watch in effect in the oil spill area. It is predicted that one-half inch of liquid will go into the Kalamazoo River. A watch-box is going in.

The JIC is operational and is coordinating with the Governor's Office. The Governor is sending public information personnel to the Calhoun County EOC. James McCurtis, who is the PIO for MDCH, is in the JIC. He has been in touch with Dr. David R. Wade, Director of the MDCH Environmental Health Division, and they are developing talking points on public health.

Dr. Linda Dykema, of MDCH Environmental Health Division, is at the Calhoun County EOC. This morning she participated in a meeting with Calhoun County Health Department, Enbridge Contractors, and EPA Contractors to review air monitoring data. She reported there are some locations where levels of Benzene are of public health concern; particularly two locations close to the site of the leak into Talmadge Creek. Calhoun County Health Department (Jim Frost) is working to relocate residents who are at risk. Dr. Dykema is conferring with the federal Agency for Toxic Substances and Disease Registry(ATSDR).

Susan Manente, Health Educator with the EH Division, has been assisting the Calhoun Co. Health Department in revising public health fact sheets.

Capt. Sands announced the SEOC would operate 8:00 AM to 5:00 PM. The next SEOC Briefing will be held at 4:00 PM.

[07/28/2010 at 13:22 EDT Community Health--State Emergency Operations Center-](#)

MDCH strongly recommends that responders to the oil spill use mosquito repellent because several horses in the vicinity have been diagnosed with Eastern Equine Encephalitis (EEE). There are positive cases in Calhoun, Barry and Cass Counties. MDCH is increasing surveillance in Calhoun County; mosquito traps are being set-up.

[07/28/2010 at 12:57 EDT Community Health--State Emergency Operations Center-](#)

James McCurtis, PIO, has reported to the JIC. He can be reached at (517) .

[07/28/2010 at 12:20 EDT Community Health--State Emergency Operations Center-](#)

The MSP-EMHSD has activated the Joint Information Center (JIC). It is located in the Terrace Room in the lower level of the Collins Road Building. Nicole Lisabeth is the SEOC PIO. She is coordinating the JIC. She requested a public information assistance from MDCH. James McCurtis is en route.

[07/28/2010 at 11:45 EDT Community Health--State Emergency Operations Center-](#)

At 12:24 PM, the CHECC Duty Officer, Sue Shiflett, reported the following:

Joe Frost, Emergency Preparedness Coordinator (EPC) at Calhoun County Health Department, has notified OPHP that the county EOC is returning to Marshall and will be located in the Walters Elementary School. The Governor and others will be setting up there with DTMB helping with computer support.

There could have been an error in the air monitoring readings so the EPA Air Monitoring Unit is arriving and will be checking the readings done by the 51st Civil Support Team. No evacuation is expected until readings are complete. (Two families are currently evacuated to local hotels)

Jonathan Gardner, Medical Director of the Nottawaseppi Huron Band of the Potawatomi, has been notified and will be in contact with Joe Frost regarding Indian lands. A tribal representative will be invited to the county EOC. They are monitoring phones and 800 mgHz on OPHP1.

Phyllis Davis, Health Officer of Match-e-be-nash-she-wish Potawatomi, has also been notified. She is on her way to Washington DC and will be notifying her next in line. The area of concern for this tribe is already a super fund area. Mary will be in contact with the tribal member familiar with that site. Phones and 800 MgHz at OPHP1 are also being monitored.

[07/28/2010 at 10:49 EDT Community Health--State Emergency Operations Center-](#)

At 10:40 AM, Dr. David R. Wade, Director of the Environmental Health Division, reported the following:

There is the potential for more evacuations. That will be decided at 11:00 AM and an estimate of the number of displaced persons will be made. The chemical of concern is Benzene. It is very aromatic and is a carcinogen that would be of most concern to public health.

The acute affects of Benzene are respiratory in nature and can include headaches, nausea and vomiting. Benzene is highly volatile and disipates rapidly.

The MDCH field team is meeting now with representative of the EPA, the 51st Civil Support Team, and Enbridge (at their command center) to evaluate the air monitoring data. The EPA will look to MDCH to determine the acceptable level of benzene in the air for habitation. MDCH will make that determination.

[07/28/2010 at 10:47 EDT Community Health--State Emergency Operations Center-](#)

At 9:41 AM, the Office of Public Health Preparedness (OPHP) contacted both Calhoun and Kalamazoo Counties, staff will be arriving at local EOC's shortly, we will monitor OPHP 1 for activity or requests at this time. No immediate needs identified.

[07/28/2010 at 10:25 EDT Community Health--State Emergency Operations Center-](#)

Dr. Dykema requested information about Tribal lands that might be affected. The Fire Keepers Casino is in the vicinity of the spill. Tribes need to be brought in to the response, particularly in decisions to evacuate.

[07/28/2010 at 10:20 EDT Community Health--State Emergency Operations Center-](#)

At 10:12 AM, Dr. Linda Dykema reported from the scene. She reported that it might be necessary to order the evacuation of some areas. She is going to a meeting now with the EPA, the 51st Civil Support Team, and Enbridge to review air monitoring data. The levels of Benzene will probably require evacuations. The EPA is preparing maps with GPS locations for the sampling points. That will help to identify affected residents.

Dr. Dykem also reported that the Incident Command Center is going to move to Walters Elementary School, 705 N. Marshall Avenue, Marshall, MI. A Command Meeting will be held there at 4:00 PM. Press briefings are scheduled for 10:30 AM and 7:00 PM.

[07/28/2010 at 10:12 EDT Community Health--State Emergency Operations Center-](#)

The Governor's staff will be briefing the Legislature at 11:00 AM. Capt. Sands asked all state

agencies to update their SitReps so their activities can be reported. There will be another SEOC Briefing at 1:00 PM.

[07/28/2010 at 10:11 EDT Community Health--State Emergency Operations Center-](#)

The National Weather Service is expecting rainfall of < 0.5 inch today. The Kalamazoo River is nearing flood stage and there is some flooding already.

[07/28/2010 at 10:05 EDT Community Health--State Emergency Operations Center-](#)

At the conclusion of the SEOC briefing, Capt. Sands reviewed the Incident Action Plan for today and assigned state agencies to be the leader on each action item. The IAP follows:

1. Relocate the EPA Incident Command Post -- This is already underway. DTMB has several facilities ready to go.
2. Track extent of spill -- DNRE
3. Track Containment -- DNRE
4. Identify Health Impacts, water and respiratory -- MDCH (Capt. Sands noted the EPA is looking for more air monitors.)
5. Identify Environmental Impacts, including clean-up and wildlife -- DNRE
6. Cost Recovery -- Each agency is responsible for capturing their own costs and tracking them, including personnel, equipment, and materials.
7. Identify Unmet Needs -- All state agencies
8. Governor's declaration for Kalamazoo County -- MSP-EMHSD
9. Communication Protocol -- To external agencies and personal -- The SEOC PIO is Nicole Lisabeth. State agency PIOs should coordinate with her.

[07/28/2010 at 09:45 EDT Community Health--State Emergency Operations Center-](#)

At 9:00 AM there was an SEOC briefing. Following are the main points:

John Wernet, of the Governor's Office, reported on the Governor's fly-over last evening and meeting with local officials, the EPA, and the Media. The Governor declared a State of Disaster applicable to the watershed downstream of Talmadge Creek. During the fly-over, the Governor was very disturbed by the scope of the spill, paucity of barriers in place, and the "anemic" response effort by Enbridge. She met with the CEO of Enbridge and urged him to do a fly-over. She called Lisa Jackson, head of the EPA and spoke with her staff. The Governor urged the EPA to step-up its response efforts. She also wants an independent visual assessment. As of last night, the spill had advanced to within 4-5 miles of Morrow Lake. After Morrow Lake the river flows on to Allegan County, including Plainwell. In that area there are several SuperFund Sites that have not yet been remediated. If the oil travels into that area, it would combine with PCBs. The goal is to stop the spill before it gets to Morrow Lake.

The EPA reported that an additional 25 Vac-Trucks should arrive on-scene this morning, along with 60-80 additional personnel.

DNRE reported that emergency response workers must work in Level C. Michigan National Guard reported its working with EPA to do air monitoring between Marshall and Galesburg.

SEOC PIO reported the EPA PIO in on-scene. The SEOC will issue an updated news release today. Several radio interviews are planned. Information about this event is posted on the MSP-EMHSD Website [www.michigan.gov/emhsd](http://www.michigan.gov/emhsd). Photos are posted there.

Sherry Irwin, of MSP-EMHSD, urged all state agencies to track costs associated with this event and set-up PCAs. She can be reached at (517)

[07/28/2010 at 08:29 EDT Community Health--State Emergency Operations Center-](#)

Karen Krzanowski reported to the SEOC at 7:50 AM and established contact with Dr. Linda Dykema. Linda is en route to the Calhoun County EOC in Battle Creek. Lisa Quiggle and Susan Manente are with her. The team's objectives are: To determine whether or not the 51st Civil Support Team accomplished air monitoring overnight and, if so, to evaluate that data. Jim Rutherford is trying to arrange a fly-over for himself and Linda. The identification of private drinking water wells that might be affected needs to be done. The Calhoun Co. EOC will hold a briefing at 9:00 AM. Linda Dykema will report back to Karen following that briefing.



The SEOC re-opened at 8:00 AM. A state agency briefing will be conducted at 9:00 AM. Karen briefed Dr. Jackie Scott. The CHECC is partially activated with a Duty Officer - Sue Shiflett. Jackie will have OPHP personnel prepare risk communication messages so they are ready if local health departments need them. OPHP will contact Emergency Preparedness Coordinators (EPCs) in the affected counties to determine what, if any, assistance is needed.

[07/27/2010 at 17:41 EDT Community Health--State Emergency Operations Center-](#)

At 5:40 PM, Karen spoke with Dr. Linda Dykema, toxicologist, who is on the scene with two of her colleagues from the Environmental Health Division, Lisa Quiggle and Susan Manante. Linda reported that the leak has travelled at least 16 miles down the Kalamazoo River. At this point, air exposure is most critical; fumes are strong. Two homes were evacuated. Residents of another 28 homes were re-located because they were bothered by the odor. Enbridge is arranging accommodations for those who have no where to re-locate to. Custer Park is the furthest location downstream where sheen is visible on the Kalamazoo River.

The DCH team has been conferring with the EPA and Jim Rutherford, Health Officer of Calhoun County Health Department, primarily on appropriate air screening values for Benzene and on appropriate air monitoring equipment that can detect values low enough to protect public health. The EPA has asked for support from the Michigan National Guard 51st Civil Support Team. EPA requested air sampling equipment.

The DCH team is evaluating any additional sampling plans for groundwater and surface water to ensure they will be protective of public health.

Dr. Dykema will report to the Calhoun County EOC at 7:30 PM to brief the Governor on the public health response to the oil spill. Dr. Dykema will be available to assist the Governor with her press briefing, which is scheduled for 8:00 PM this evening.

The SEOC is standing-down for the night. A duty officer will monitor the situation overnight. The SEOC will re-open at 8:00 AM. A state agency briefing is scheduled for 9:00 AM. Karen Krzanowski is leaving the SEOC now. Karen is available via cell (517)

[07/27/2010 at 16:26 EDT Community Health--State Emergency Operations Center-](#)

Karen Krzanowski reported to the SEOC at 1:30 PM for a briefing on the oil spill. (See F/Lt. Ralph Hobrat's brief in attachments.) The SEOC was partially activated at approximately 2:00 PM. All public information activity should flow through Nicole Lisabeth, PIO for MSP-EMHSD. Leslie Fritz is coordinating public information for the Governor. James McCurtis, MDCH PIO, is coordinating with them.

Dr. Scott was notified and briefed. She partially activated the CHECC with a Duty Officer. Director Olszewski was notified and briefed. Dr. David R. Wade, Director of the Environmental Health Division is working on this event. He can be reached at (517) . He sent a team of four to the scene, led by Dr. Linda Dykema, toxicologist. Linda is working with incident command. She can be reached on cell (517) . She is working to identify the screening value for Benzene in air on which to base evacuation decisions. A handful of homes in the immediate vicinity of the leak have been evacuated already.

Bill Rutherford Health Officer, Calhoun County Local Health Department, is the local public health lead. He is working with Dr. Wade and Dr. Dykema.

The SEOC will be standing-down at 5:00 PM. A limited number of MSP personnel will continue to monitor the event. Any further developments should be reported to the MSP Operations Center. The SEOC will re-open at 8:00 AM tomorrow morning (Wednesday). There will be a briefing at 9:00 AM. Karen will participate in the briefing.

**Current Objectives:**

**Projected Objectives:**

**Concerns Problems:**

**ACTIVATION STATUS**

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**OP Center Activated:**



Yes  
12 Hour

**CURRENT CAPABILITIES**

Availability: Refers to the percentage of resources on hand  
Mission Capability: Red = Not Mission Capable, Yellow = Partially Mission Capable, Green = Mission Capable

<b>Responders:</b>	<b>Availability Mission Capability</b>
<b>Admin Staff:</b>	<b>Availability Mission Capability</b>
<b>Facilities:</b>	<b>Availability Mission Capability</b>
<b>Communications:</b>	<b>Availability Mission Capability</b>
<b>Consumables:</b>	<b>Availability Mission Capability</b>
<b>Vehicles/Equipment:</b>	<b>Availability Mission Capability</b>

**PUBLIC ASSISTANCE (PA) DAMAGES**

(NOTE: CATEGORIES A & B - EXCLUDE NORMAL OPERATING COSTS)

	<b>Number of Sites</b>	<b>Estimated Loss</b>
<b>CAT A: Debris Removal and Disposal</b>		
<b>CAT B: Emergency Protective Measures</b>		
<b>CAT C: Road and Bridge Systems (non-federal)</b>		
<b>CAT D: Water Control Facilities (levees, dams, &amp; channels)</b>		
<b>CAT E: Public Buildings and Equipment</b>		
<b>CAT F: Public Utilities (water and power, etc.)</b>		
<b>CAT G: Park/Recreational/other</b>		
<b>Totals:</b>		

**CRITICAL RESOURCE RECAP:**

<b>Type</b>	<b>No. Deployed</b>	<b>No. Available</b>
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**DAMAGE REPORTS FOR THIS AGENCY**

Damage Reports for this Agency

**NOTIFICATION**

**Send:** No  
**Message:** (max. 140 characters for mobile users)  
**Individuals**  
  
**Groups**  
  
**Other Email addresses**

**ATTACHMENTS:**

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**Supporting File(s):**

[CCPHD\\_Oil\\_Spill\\_Evacuation.pdf](#)  
[CCPHD\\_Enbridge\\_Oil\\_Spill\\_Water\\_Advisory\\_072910.pdf](#)

**Web Pages:**

**ACCESS CONTROL**

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**Group:**

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