

## **MPSC Arc Light Exercise NOTES**

### **ANSWERS TO 5 QUESTION GROUP PORTION OF EXERCISE:**

#### **Tiffany Swartz Notes (9/15/10) PETROLEUM**

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- Circumstances – What utility activities should be monitored by PSC? Hospitals, general delivery, Marathon back-up power (what type? How long?), gas stations backup, Marysville, & trucks to transport it all
- Application contacts between utilities & PSC? MPGA, API, contact book, MSP, MDCH Hospital, SEOC, Emergency Operations Center
- List sign. – consequences may occur in 72 hours? First responders, Plows, Priority-end users, heating fuels, casualties, propane (days of fuel left?), pipelines (do they still function), Transportation issues, production of heating/transportation fuels, generators run out of fuel
- Discuss any recommendations to lower risks. Activate Set Aside Plan, Priority End-User Plan, Prepare the necessary fuel rations if extends beyond 72 hours, consumer education, and Public information programs, Telecommuting (regionally?)
- Discuss any other sector specific actions as may be necessary
- Monitor regional – EEAC's; import from others
- Ongoing communications with industries
- On 3/11/2011 – 200,000 homes were without fire
- Power back up: Ambassador bridge 3/14/11; Wyandotte 3/13/11; Flat rock to Monroe 3/12/11; road conditions causing delays

#### **Alex Morese (9/15/10) PETROLEUM**

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- MIOC-CIP: PETRLOLEUM
- 1. What utility activity should be monitored at PSC?
  - Gas stations
  - Marysville
  - Fuel for fuel deliveries (propane)
  - Fuel for priority end users
  - MSP to escort fuel carriers
  - Pipelines
- 2. Who is the appropriate point of contact?
  - API
  - MPGA
  - MSP
  - SEOC

- Use contact Book
3. What significant negative consequences might occur as a result?
    - Gas shortage for priority end-users (job & getting there)
    - Health & welfare of people needing heating fuel (propane/heat oil)
    - Transportation impediments
    - Production of heating oil
    - Generators running out of fuel
  4. Discuss recommendations on reducing negative consequences
    - Activate set-aside plan
    - Activate priority end-user plan
    - Public communication heightened
    - Telecommute for state employees regionally
  5. Discuss other sector specific actions MPSC staff should be taking
    - Continue to monitor regional stocks
    - Consult with regional EEAC's
    - Ongoing communication with industry

DTE: 200,000 homes out of power

**Travis Warner (9/15/10) NATURAL GAS**

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1. Monitored Activities
  - a. If and how local gas utilities will be affected by power outages
    - i. MGU
    - ii. Consumers
    - iii. Michcon
  - b. Power to gas control (Michcon, MGU)
    - i. What type of fuel for backup generators
    - ii. If qualified Michcon personnel are able to get to backup control center if necessary
2. Points of Contact with Utilities
  - a. Safety Engineers have updated contact list for utilities. Need MGU, Consumers, Michcon in this case
3. Negative Consequences
  - a. Potential for gas-powered electric generation to question supply capacities
  - b. Due to snow/ice, difficult for utilities to take care of day-to-day maintenance (leak calls, etc.)
  - c. Potential issues with water lines in houses freezing if power is out too long

4. Recommendations
  - a. Customers can be suggested to reduce consumption if supply deficiency becomes probable.

**Cheryl Kirkland (9/15/10) ELECTRIC**

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Questions: designated leads to present

1. Circumstances & actions to be monitored by MPSC
2. Who to contact
3. Significant Negative Consequences Resulting from power outages
  - a. Neg. Consequences
    - i. No H2O available for service, fighting fires in Detroit
    - ii. No wastewater treatment
    - iii. Regional supply shortages, curtailment
    - iv. Shortages gasoline
    - v. Shortages of heating oil
    - vi. Transmission of electricity impeded, which causes slower restoration
    - vii. Bad roads, which causes slower restoration
    - viii. Overloading transmission systems in neighboring areas
    - ix. People in cold homes, no power, warming centers
4. Recommendations to public/private sector
  - a. Contact EEMT to notify of our recommendations
  - b. Talk to Detroit about wastewater & water plants
  - c. Use information obtained, forward to SEOC for recommendation for water curtailment PSA's
  - d. Recommend to SEOC for public to stay off roads (reduce gasoline)
  - e. Recommend to SEOC for public to curtail power usage
5. Discuss any other sector-specific actions
  - a. Publicize DTE's outage website for restorations
  - b. Frequent contact with DTE, 2-3 hours
  - c. MISO LMP website map
  - d. Talk to SEOC to inform public of situation
  - e. MPSC to contact other EOC's about mutual assistance in neighboring states
  - f. Enter information into E-Team information sharing

**GENERAL NOTES:**

**Tiffany Swartz (9/17/10)**

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Communication and discussions were very effective.

What was notated is the fact that there were several answers given that were “best guesses” and referred to as such.

We need to give clear, concise and factual statements only.

Remember that all media requests go straight to Judy Palnau; Gary (Kitts?) is the backup. If neither are available for comment, contact the Commissioners’ office to find out whom would be the most suitable person to handle the inquires. Per Judy, the person that takes the press calls must be able to handle extreme pressure and have the knowledge to confidently answer the questions.

We need to focus on our industry/sector inquires and answer those questions first. However, if we are asked something that is outside our scope of expertise (i.e. jobs impacted, economic repercussions, etc.) and we have time, we can inquire from different departments. It’s also okay to say “I don’t know.”

MI-OSHA has a Disaster Response Team for responding to disasters like the Enbridge spill in Marshall to Kalamazoo. We have the Emergency Response Team and we may need to tweak it and make sure we have at least three deep for our responders. This team ideally will include not only the experienced, upper management, but also some of the newer team members.

From the exercise, we have discovered that most of our responders were able to handle the more common processes of monitoring and using the E-Team system. However, when it comes to the less often occurring and more detailed portions of an energy emergency, most of the participants were very lost on how to handle the requests.

There needs to be a step by step procedure laid out within the plans that can walk every participant through even the most complicated of tasks.

Adequate response measures are needed to be clearly defined and easy to understand.

In the future, maybe PSC exercises will involve having some of the more experienced staff performing the less frequent, more detailed procedures so that the less experienced staff is able to observe and learn.

There were several observers and planners that caused distractions with the side talk during the exercise. In the future, we may require a larger room with some more distance between the participants and the observers/planners.

In future exercises, need to have more relevant situations.

Many of the questions asked were too broad and not sector specific. Some questions were hard to interpret due to the fact that there was lack of sector jargon used.

Telecom was left out. In the future, possibly have more training in conjunction with companies like AT&T and Verizon. Maybe discovering their emergency procedures will benefit our telecom team in the time of energy emergencies.

Interdependencies need to be further explored. For example, Wolverine Pipelines can not operate without electricity. If there is no electricity, cell towers will go down and there needs to be diesel generators to keep them up and running.

Participants enjoyed the breakout sessions and the team work that was needed to complete the tasks.

There is talk of Michigan partaking in the interstate exercise that will occur in November or December in regards to the New Madrid earthquake scenario.

***Cheryl Kirkland (9/15/10)***

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- Low winter heating fuel supply
- Winter snow storm Alert 8-11 inches expected
- Driver Hour Waivers from Petro to MPSC
  - Denied at first due to isolated storms
- Throughout Lower Peninsula – snow, freezing temperatures
- Sporadic outages, downed power lines, down trees in roads, freezing temperatures, high winds
- 10k-20k with out heat, propane/heating low supply delays, 10 hour wait for filling up
- Commissioner Greg White – approves driver hour waiver. Granted approval due to the high snowfall & low heating fuel
- Call CE, DTE, MISO, & PJM to get status update to see how wide spread problem is, view weather.com
- CE & DTE status for down power lines, restoration timing
- See how many units were sent to Indiana & see if we would get them back
- Major power outages in the South East Part of MI, 100-200K, Detroit to Monroe without power
- No estimate on restoration because DTE must Assess first

***9am***

- Transmission from ITC & MISO
- Karen Towne, MSP opened emergency center (EOC), E-team report needed to be uploaded to size of impact, consequences, & restoration
- Phone calls – home heating at MPSC, Public information protocol to commence
- MIOP Desk Alert & CIP Desk Alert
- DTE stated: 200K homes in Detroit affected, more without power

- Recovery estimates: ambassador to Dearborn (March 14<sup>th</sup>), Wyandotte to Woodhaven (March 13<sup>th</sup>), Flat Rock to Monroe (March 12<sup>th</sup>)
- Road conditions – restoration is dependent on the open roads

### ***Breakout***

- How long until power runs out, supply?
  1. Chrissy Wake: DTE to find out Fermi & Monroe’s power plants status
  2. talk to utility, MISO, backup power available
  3. Paul Whitman, DTE
    - Water treatment & waste water treatment of restoration time of within 24 hrs., control center status for power
  4. Contact City of Detroit to find out status of water treatment, water supply to city
  5. DTE, firm estimate time for restoration of power to hospitals
  6. DTE, for Marathon Refineries down, firm restoration time
  7. contact ITC for status update

***Jessica VanDeusen (9/15/10)***

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Submission to E-team by Jessica VanDeusen

## **Agency Situation Report**

**\*Red Label:** indicates a required field.

**\*Agency:**

MI Dept of Energy, Labor and Economic Growth

**\*Jurisdiction:**

Statewide

**\*Operational Readiness:**

Gray-Unknown

**City: State:**

MI

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

Southeast Michigan

**Related Event/Incident/Activity:**

Not Related to an Event, Incident, or Activity

**SITUATION SUMMARY**

09/15/2010 at 11:27 EDT Jessica Van Deusen-MI Dept of Energy, Labor & Economic Growth

100 - 200 thousand electric outages in SE Michigan. Expected to take 3 days to restore service.

Checking with ITC to see damage to transmission system and checking on critical infrastructure and

dependent populations. In addition, there is a propane supply shortage for the last couple of days in

Michigan. This is an exercise.

**Current Objectives:**

Checking with DTE to see what crews they will be sending out.

**Projected Objectives:**

**Concerns Problems:**

**ACTIVATION STATUS**

**OP Center Activated:**

No

None

**CURRENT CAPABILITIES**

Availability: Refers to the percentage of resources on hand

Mission Capability: Red = Not Mission Capable, Yellow = Partially Mission Capable, Green = Mission Capable

**PUBLIC ASSISTANCE (PA) DAMAGES**

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

**Number of Sites Estimated Loss**

**CAT A: Debris Removal and Disposal**

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**CAT B: Emergency Protective Measures**

**CAT C: Road and Bridge Systems (non-federal)**

**CAT D: Water Control Facilities (levees, dams, & channels)**

**CAT E: Public Buildings and Equipment**

**CAT F: Public Utilities (water and power, etc.)**

**CAT G: Park/Recreational/other**

**Totals:**

**CRITICAL RESOURCE RECAP:**

**Type No. Deployed No. Available**

**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:**

**Supporting File(s):**

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Document Created by: [Jessica Van Deusen](#) on 09/15/2010 at 11:27 EDT Last Modified by: [Jessica Van Deusen](#) on 09/15/2010 at 11:27 EDT

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## NOTES FROM 9/16/10 Lessens Learned Meeting:

### 6 Lessons Learned

1. more training & exercises for each group
2. procedures need to be re-done & used more,
3. procedure training needs to happen with upper, middle, & entry level personal
4. select members need to have cross training over different industries
5. less experienced observers need more experience
6. small room, may have caused limits and distractions, suggest bigger room next time

### General Suggestions

- clear, concise, here is what we knew....
- chairmen needs to know before anyone else
- media always goes through Judy (FACTS ONLY)
- no guessing or assuming
- focus on industries that we monitor
- say you don't know, if you don't know and than go find out or direct person in the correct direction
- need a 3 deep response team