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01 Sep 05 DCO MS SITREP:

DCO's Assessment. Priorities remain SAR, water-ice-food, communications and fuel. Through put of water-ice-food has greatly improved over the past 24hours. Supply in the outlying areas hasn't reached preferred levels yet, but the State and FEMA estimate is that supply is at a satisfactory level.

Per the FEMA National VTC this morning, shortages exist in LA and MS. All assets are moving south and they expect to have more than adequate levels in 48 hours. More than 1,200 trucks moved into the LA/MS area today, over 700 were throughput to southern counties in MS. The others went to LA. These are in addition to the 300 trucks I reported moving last night. That report is attached below as a refresher of the capacity for trucks and the need for the area. Supplies are not being put on the ground at any location, and are being distributed as soon as they arrive in the area. The conference also mentioned appointing Director (B6) as the PFO, but no discussion about when it would be effective.

Communications south of HWY 20 remains a significant problem. This is hampering assessment efforts and contact with victims and relief workers and relief workers in the area. Most supply operations are "push" operations with few actual requests being initiated. The biggest problem with supplies in the next 24 hours will be fuel. Several of the contracted carriers report having significant shortages.

FEMA contracted for the forward distribution of diesel across the state, and trucks should begin arriving around 31200Aug near Meridian. FEMA is contracting fuel re-supply points at Meridian and Camp Shelby. This should avoid a crisis.

An evacuation of 600 hospital patients from the southern counties is planned for tomorrow. Combined with today's patient evacuation efforts, this should eliminate nearly all of the patients requiring immediate movement. The FLNG sent a team of experienced supporters and staff from their JOC to assist the MSNG.

We had a long discussion last night and passed TTP and lessons learned. Focus was C2, Log support and asset management. I think this will pay huge dividends.

I acknowledge the order for TACON of air assets to the USS Bataan.

FEMA. The FCO deployed forward with a MEMA rep vicinity of Biloxi. I dispatched an LNO to accompany him. All ARFs and other missions are being generated from the EOC Jackson, by the DFCO. Plan to establish base camps for 1,000 near Biloxi, in Gulfport and at Trent Lott Airport. Priorities remain

water-ice-food, personnel recovery, fuel. The Imperial Palace Hotel in Biloxi has been selected as the JFO/DFO. Expect FEMA to jump on Sunday or Monday. State. Assessment efforts continue to be hampered by a lack of communications south of Jackson. The Governor reports that Jones county is as severely damaged as the 6 southernmost counties and had it added to the category I area. Most supplies and response are push packages. An updated State SITREP is attached. See "Tote Board" for assessment by county. Over 65 distribution centers are open in the coastal counties alone with 7 pages of additional centers across the states.

V/R

(B6) Defense Coordinating Officer
(B6)

As of 2300Z 3 Sep 2005:

The state and FEMA are trying hard to expand their focus to the strategic level. Water and food are top priorities. I think we have a pretty good handle on water with deliveries today, and that should be a solid amber. The MS C-17 is enroute to Norfolk to pick up a load of MREs. They will arrive there at 1550 CST and arrive Gulfport 1950. They will lift about 5,000 cases of MREs. NORTHCOM is flying 8 C-17s tomorrow, carrying 40,000 cases. FEMA contracted 5 trucks to pick-up additional MREs from Norfolk tomorrow. This should make us green on food. Communications is much better and they are receiving regular reports from across the State. We've established a state/federal task force to handle all fuel issues. Fuel supply is upgraded to amber and should be green with tomorrow's deliveries. Electricity is coming on from the north part of the state to the south. Good progress, but a lot left to do. 13,000 in shelters with excess shelter capacity. Long range concerns are temporary housing, transportation of minimal care patients and long term logistics.

Previous Postings:

We're flying 19K gallons of bulk water from the Bataan to Gulfport tonight. NORTHCOM is attempting to get 10K water purification kits delivered to MS tomorrow. Each purifies 2 liters of water and are very easy to transport and distribute. These two efforts should bring our water status to Amber tomorrow. New contracts by FEMA and the state should be able to sustain that level for the next several days until flow rates reach steady-state levels. FEMA has a substantial number of MREs released from DLA and is arranging transportation. NORTHCOM is attempting to provide an emergency supply by air or ground tomorrow that should get us to Amber on food until normal flow of product from FEMA resumes. Fuel for Meridian and Shelby is being sourced, and we think it will arrive tomorrow. When this arrives and is distributed, we'll move into Amber for fuel for emergency response vehicles and commodity trucks. **(B6)** and her folks earned their money today. Received 10 truckloads of medical supplies. Continue to move critical patients. Communications in the region is now Amber, due the issue of a large number of SAT phones for local, state and federal workers and the restoration of a limited cell phone network. 381D is sending a planning cell to augment the MSNG JOC. **(B6)** arrived in Gulfport with his LNO team and linked-up with the TAG and his staff. The Governor did not make an announcement about increased death toll in his press conference.

have been receiving inaccurate reports on the amount of food and water being delivered to the MS area. FEMA released some updated figures this morning that show only 100 ice, 100 water and 12 food arrived in the area yesterday. This is against a daily requirement of 450, 450 and 25. What is being delivered is being throughput and delivered directly to distribution centers, but the volume is just too low. FEMA, the Corps of Engineers and DLA are working frantically and initiating new contracts, but we are well below the requirement right now. I expect the Governor to announce a "significant" increase to the death toll today. The current number is 117 confirmed deaths. These two issues together may create a public perception that the increased deaths are due to the lack of supplies when they are in fact due to initial storm surge. NGOs are arriving in the area and coordinating directly with the state. They are currently feeding about 5% of the shelters and should increase their production considerably over the next few days. They are also establishing a base camp to hold 30K and feed 100K. There are currently about 13,000 in shelters and increasing daily. The estimate is that 138K restored power yesterday with 700K left without power. NDMS continues to transfer patients and move supplies and DoD is assisting with that effort. There are currently 10 DMATs working and that appears adequate when viewed with the 100+ doctors that have been distributed. 2 Mortuary Affairs teams with 800+ body bags. There have been sporadic reports of rock throwing and small crowds of disorderly citizens, but no reportable acts of violence. There is a report that there is unrest in a southern prison, but nothing has been confirmed. There is concern over rising anguish levels in citizens and a heightened sense of awareness. Fuel for support and supply vehicles is still a problem, but I think

we'll be over the hump by the end of the day today. We're over the hump with communications and all counties reported in to the MEMA this morning for the first time. Comms architecture should improve even more over the course of the day. TAG Florida sent a planning team to work with the MSNG. They formed a cell and are doing a great job developing a long range plan so MSNG can focus on immediate needs. The SRAAG will submit a separate report, but the MSNG capability has tripled in the past two days. They have somewhere in the neighborhood of 6,000 soldiers on the ground and more are arriving by the hour. The FCO and SCO are returning to Jackson to coordinate efforts from the EOC and their deputies are replacing them forward in Gulfport.

A push to talk comms system is going in this afternoon that should give state and local workers the connectivity they need to begin sending requests for support forward. Lack of communications in the affected area has been the single largest problem with the operation to date. Bulk distribution fuel trucks are being dispatched to the Chevron refinery for resupply. This should eliminate most of the fuel problem for food/water trucks, but will take most of the day to get distributed out to where it is needed. The MSNG is refueling the generators at 6 hospitals that reported being critically low this morning. The Corps of Engineers has a plan to send additional generators to these and other hospitals to give them enough power to run A/C units. Throughput of supplies directly to distribution centers and shelters continues. Nearly all assets are still going to the 6 southernmost counties. Yesterday's supply was 700 trucks. The request for today was 450 water, 450 ice and 35 MRE. They think this will be enough to sustain their daily rate. NGOs are moving in to shelters in the 6 southern counties today and should help augment this effort with some hot food capability. About 100,000 people are reported as living in shelters. 5 DMAT teams are deployed and operational. 1 DMORT is in place with 8 reefers for bodies. Another had been requested and should arrive tonight or tomorrow. 800 body bags will arrive today. FEMA is establishing 3 base camps for workers, but they won't be in place for about 4 days. Still flying 19 SAR aircraft. More to follow.

V/R

(B6) Defense Coordinating Officer

(B6)

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From: CDR, 4TH BDE, 85TH DIV/AFKR-TIL-DA-CO

To: CDR, First U.S. Army/AFKA-OPO

Classification: UNCLASSIFIED

Operation: DCE Mississippi Hurricane Katrina Disaster Relief Support

MSGID: SITREP 02/ (B6) /021900(S)Sep05

Period Covered: 011900Sep05 – 021900Sep05 As of: 021900Sep05 (Local)

1. General Situation. DCE MS continues to monitor DOD units involved in disaster relief operations.

2. Overall Situation. DCE Knox, currently located in Jackson, MS, supports federal response and recovery efforts in the aftermath of Hurricane Katrina. Priorities are Search and Rescue (SAR), COMMS, water-food-ice, healthcare, fuel, and security.

MEMA reports 134 homes and 423 mobile homes destroyed, 2,833 homes and 38 mobile homes major damage, 6,145 homes and 1,893 mobile homes minor damage.

- **Transportation** – All shipping remains shut down along the Mississippi coastal areas, CSX suspended rail service until further notice, and all barge traffic along the Mississippi River has resumed normal operations.

ROAD INFORMATION

Closed to Public

Hwy 90
SR 604

Open to Public:

SR 24 Woodville to McComb
SR 48 Centreville to Sandy Hook
US 98 Bude to Columbia
US 84 Natchez to Prentiss
SR13 Smith County
SR 18 Puckett to Bay Springs
SR 35 Raleigh to Columbia
I-55 State Line to State Line
US 61 State Line to State Line
I-20 State Line to State Line
SR 28 Magee to Taylorsville
MDOT Districts 1, 2, 3, and 5 all roadways open to public

Emergency Vehicles Only:

US 49 Southbound: Seminary to the Coast
US 49 Northbound: From Hattiesburg North
I-59 Stateline to Stateline
9:30AM Update I-59 open, including LA
SR 63 from US 98 to I-10
US 98 Mobile to Columbia
SR 607 from I-10 to Stennis
I-10 Westbound: Stateline to Stateline
US 84 from Prentiss to Waynesboro
US 45 from Meridian to Clark County Line
I-110 from I-10 to US 90
SR 57 from I-10 to US 90
SR 43 from I-10 to US 90
SR 605 from I-10 to US 90
SR 609 Southbound from I-10 to US 90

Open Airports:

New Orleans International – accepting emergency relief/military, no power.
Mobile downtown airport – tower open
Baton Rouge/Ryan Field – fully operational/open
Keesler Air Force Base - fully operational/open
Mobile Regional – fully operational, air Traffic Control is open
Lake Charles Regional - fully operational/open
Pensacola Regional - fully operational, air Traffic Control is open
Valparaiso/Eglin Air Force Base - fully operational/open
Jackson International – accepting traffic, no power
Houma Terrebonne - fully operational/open; ATC zero
Meridian Key Field - fully operational/open; ATC zero

- **Communications** – Agreements continue to be negotiated with cellular companies to provide “communications on wheels” (COWs). Ham Radio has contact with the following County EOCs via HF: Lauderdale, Harrison, Hancock, Tate, DeSoto & Choctaw Counties. Ham radio has contact with the following counties via VHF: Lamar, Forrest, Marion, Jones, and Wayne.
- **Public Works** – MS Forestry Commission deployed 10-15 people forward to make debris removal estimates.
- **Fire Services** – Twelve personnel are working in southern counties on debris estimation. Four chainsaw crews were deployed to Wiggins MFL site to clear downed trees to get to MREs stored after Hurricane Dennis.
- **Mass Care** – Currently 99 ARC shelters opened, and additional 12 ARC shelters on standby to be opened as needed. The current total population registered is 12,958 as of 2330 hrs 09/01/05 with total capacity of opened shelters at 32,696. ARC has reported that the Jackson Coliseum is at capacity. Currently there are

seven (7) Special Needs Shelters open: Lincoln County with 14 patients, Biloxi High School with 200+ patients, Pearl River Community College in Hattiesburg with 20 patients, Jones County with 20 patients, Kosciusko has no patients as of 2315 on 9/1/05, Ocean Springs has 20 patients, and Newton East Central Community College has 5 patients. Salvation Army has mobilized across the State of Mississippi. Units deployed in Hattiesburg, Biloxi, and Wiggins; six (6) units are in route to Gautier to service entire Eastern Coastal area of MS. Adams County opened additional shelters to accommodate overflow 8/29/05. Will identify school lunch resources for additional food needs at shelter sites. Stone County shelter is anticipating an additional 300 to 400 individuals to accommodate with assistance from MDHS and ARC. Special needs shelters have been opened in Newton, Attala, Clarke, Lauderdale, Lincoln, Harrison, and Forrest Counties and will be manned by MDHS with nurses provided by MDH. MDHS worked with MDA/Energy to determine the number of individuals by county who have been without power for 24 hours or more and used this information for food stamp eligibility. Continuing to perform mission tasks for ARC and disaster areas. Contacted by Humphreys, Pike and Tate counties to open shelters in these counties. NWCC (Tate Co.) with 50 people with more people expected. ARC/MSVOAD have deployed 10 portable kitchens to affected areas. This process will allow MS to act as a provider for evacuees by filling out an online application. 9/1/05, Social Security checks will be mailed out today and tomorrow. For problems receiving payment a 1-800 number has been provided or recipients can visit a local Social Security Office. 9/2/05, Fifteen Salvation Army mobile unit base camp kitchens have been deployed to Long Beach and fifteen Baptist Brotherhood, working with the ARC, mobile kitchens will be in place later today. Medicaid recipients from Louisiana, Alabama, and Florida who evacuated to Mississippi can access benefits through local MS providers. The MS provider would become accredited through an online search and application process.

- **Resources** – MS Forestry Commission identified personnel to assist with transporting water from Mt. Olive, MS to necessary areas, and food (MREs) transport from the Wiggins District Office. Chain saw crews (2 personnel each) and personnel for debris estimation. Federal Logistics teams and Log cell members are continuing to work to identify resources. Logistics cell reports 3000 body bags are available. Seven logistic staging areas identified in: Panola, Lee, Humphreys, Winston, Copiah, Jasper, & Stone Counties. Ice resources in Hattiesburg are staged at Forrest County Multipurpose Building. State completed requirements to supply ice and water on 9/01/05. Two personnel picked up trucks in route to Harrison County EOC with generators. MFC established an agency command center at Pearl Training Center on 8/31/05. Timber damage and debris assessment flight began 09/01/05 with six teams of MFC, FEMA, and CORE personnel. Need location of established CRTC sites for fuel and supplies. Dispatchers have been informed of numerous solid waste fires. Two MFC personnel will be deployed today to Stennis to manage water and ice distribution.
- **MDH** - closed the Special Needs Shelter at Stone County and the shelter at Hudspeth in Rankin County. MDH tasked medical support (nurses) for the Special Needs Shelter. MDH closed all County Clinics on 8/28/05. On 8/29/05, over 130

Public Health Environmentalists and almost 400 public health nurses were put on alert. 10 ambulances staged at Lincoln Co. EMA have redeployed to the coast to join twenty-four (24) out-of-state ambulances deployed at AMR in Gulfport. Special Needs Shelters still have issues with fuel for generators. Hospitals reporting damage during landfall were:

Hancock Co. Hospital: Roof, windows and flooding. Relocated patients
 Biloxi : Roof, windows and flooding
 Gulfport: Roof, windows and no communication. Relocated patients.
 Garden Park: Roof and windows
 Picayune: Severe roof damage. ER and OR not operational. Patients were relocated once weather permitted.
 Jackson Co.: Roof and window damage.
 Forrest General: Severe window damage. The basement flooded during the storm.
 Forrest General Hospital generator ran out of fuel and failed in the process of transferring patients to UMC in Jackson.

- **Search & Rescue** – Currently a total of 22 teams made up of local resources (SMAC) have been identified for use during the response phase. Will focus on clearing debris from roads north of US Hwy 90.

SAR Teams have been deployed to the following:

Entity	Units	Total #	Duty Station
Senatobia FD	2	8	Gulfport Fire
Bolivar County Fire	4	13	Hancock EMA
Chickasaw Co/Fire	1	4	Hancock EMA
Desoto Co. Fire/EMA	1	5	Gulfport Fire
Tunica County/Fire	1	4	Pearl River EMA
City of luka/Fire	1	4	Hancock EMA
Warren County/Fire	1	4	Pearl River EMA
Batesville FD	1	7	Gulfport Fire
Tate County	1	4	Gulfport Fire
Sunflower Co. Fire/EMA	1	4	Hancock EMA
South West Ohio K-9	1	4&3 dogs	Forward EOC
Oxford Heavy Equip.	3	13	Forward EOC
City of Madison	4	18	Waveland
TOTALS	22*	92	

*NOTE: 2 volunteer SAR Teams from Arkansas and Ohio also joined the search and rescue efforts (8/29/05).

- **Hazardous Materials** – All oil and gas plants are shutdown at this time. MS Phosphate, First Chemical, Dupont, Chevron, and all industries at Port Bienville, Hancock County were secure as of 8/28/05. MDEQ Emergency Response (3), Lab

(2), Sampling team (7), staged at MDEQ home office on 8/30/05 and rendezvous with EPA in Hattiesburg. This included contractors, EPA, and equipment. After landfall several releases have been reported in each of the lower tier coastal counties including fuel spills, acid/ammonia from industries, tanker spills, and cylinders floating in bayous. MDEQ issued a permit for a mobile crematorium in Harrison County on 9/1/05.

- **Food & Water** – Salvation Army continues to identify resources / food supplies to ensure mobilization of feeding units. MDAC will work with VOADs and others to ensure that resources needed are identified and available for staging. MDE staff person is on site in the log cell to work school resource lunch issues. Water and Ice distribution began 8/31/05 in the following counties: Newton, Stone, Pearl River, George, Harrison, Hancock, Jackson, Forrest, Clarke, Yazoo, Lincoln, Neshoba, Walthall, Amite, Rankin, Jasper, Lamar, Claiborne, Madison, Kemper, Jones, Leake, Wayne, Lauderdale. Water & Ice was distributed at the Fairgrounds in Gallman, MS 9/1/05.
- **Energy** –MDA representative continues to establish contact with utility companies. The Electric Power Associations of MS assembled an emergency response workforce ready to locate to areas suffering loss of electric service after the storm. In addition, electric companies from neighboring and regional states have been contacted and will be providing crews to assist in restoration efforts. (A statement from Electric Power Associations indicated service could potentially be out for days.) Special requests for gasoline needs on exit routes received and processed. Fuelman stations stand ready to assist. MS Petroleum Marketers Assoc. indicated that emergency vehicles could be fueled manually from bobtail trailers if fueling stations were inoperable. Total number of customers without power is 990,400 as of 1800 on 9/2/05.

Mississippi Power Companies	Without Power	% w/o Power
Mississippi Electric Association Coops	426,384	Unknown
Mississippi Power	195,000	Unknown
Energy-Mississippi	216,376	Unknown
Pearl River Valley Association	41,509	100%
Singing River	64,870	100%
Coast Electric	68,701	100%

Crews are continuously working to restore power. The number of customers that remain without power are as follows: 137,705 Entergy (Entergy's stations are up); 48,000 TVA; 338,363 EPA; 175,000 MS Power (still working on stations). Restoration to Colonial and Plantation pipelines was upgraded to critical.

- **Military** – MSNG personnel have been increased to about 3000 from 2176 to support all mission assignments. MPs are assisting in Hattiesburg shelters and coastal counties with looting. MSNG is distributing water and ice in 21 counties. There are 1730 additional National Guard troops from other states, for a total of approximately 6000, joining the ongoing operations effort in Mississippi. 1600 troops and 25 helicopters will be deployed today to south Mississippi with plans to increase military presence to 5000 over a 5-day period..

- **Public Information** – MEMA Public Information continues to field media and public calls for information (directions, general info, rumor control.) Interviews are conducted as requested from media. Calling as many National, Alabama, Florida & Tennessee media as possible. They are urging citizens not to return home but to call MDOT's Road Closure Number or American Red Cross 1-866-GET-INFO. Communicating Ice & water distribution locations and volunteer information. Deployed eight-person PIO team to forward EOC. Established an email address for those who cannot locate missing loved ones and friends @ missingpersons@seoc.ms.gov. A second website www.gistools.org/mema.html will allow individuals to post missing persons information through an electronic application and interactive database.
- **Law Enforcement** – MHP, MBN, ABC, MDOT-LAW, and MDWF&P have been tasked with augmenting law enforcement agencies in the coastal area. All Troopers Statewide began 12-hour shifts starting 8/29/05. After landfall secured ingress from any hazardous areas and control traffic flow 8/29/05. Jones County requested 30 officers on 8/30/05. A group of law enforcement volunteers from Arkansas are also being utilized to augment law enforcement agencies in the Coastal counties. Ten additional officers were requested for Lincoln County. Twenty shower units for officers to be distributed in Jackson, Harrison and Hancock counties. As of 9/1/05, prisoners held in George, Jackson, Harrison, and Pascagoula facilities were transferred to the South Mississippi Correctional Facility in Green County. Also, prisoners in the Pike and Wilkinson Correctional facility were transferred to the Central Mississippi Correctional Facility in Pearl, MS.
- **Animals** – Animal/pet shelter opened 8/28/05 at fairgrounds – Jackson. As of 8/30/05 there were 35 to 40 animals sheltered. Additional 200 Equine stalls are available for use at this facility. Additional animal shelters have been identified across the state. Regional VMAT team is enroot to assist with Veterinary services in south MS as needed. Request additional staffing needs through USDA to assist MBAH.

3. Operations.

- a. The DCE has increased to 31 and has the capability to complete all DCE operations. Expect to initiate movement to the DFO (Gulfport) NET 061200Sep05.
- b. Troop list.
- c. No units currently inbound for support operations.
- d. FCO priorities are Search and Rescue (SAR), COMMS, water-food-ice, healthcare, fuel, and security.
- e. Major capability. N/A
- f. FEMA has established logistics support centers (LSAs) at Camp (activated 30 AUG 05) and Meridian NAS (activated 28 AUG 05).

g. Any Outstanding Operation Issues. None

4. Intelligence-Reconnaissance.

a. State EMA continues to move supplies and services forward to outlying areas.

b. There are no current weather predictions that may affect disaster relief operations at this time.

5. Logistics.

a. DESC has set up a Direct Delivery Contract under the following parameters for Fuel support to Camp Shelby. The contract began today (2 Sep). We have DF-2 (Diesel) @ 5K/day for 10 days and MOGAS @ 5K/week for 2 weeks. In addition, DCE MS expects to receive 10,000 DoD Water Purification Systems (see enclosure 1 and 2).

Commodity Tracking:

	MERIDIAN NAS (MS) (updated 090205 1530)					CAMP SHELBY (MS) (old data 090205 0500)					STENNIS SPACE CENTER (MS) (old data 090205 0500)				
	REQ	RCD	DIST	O/H	SHORT	REQ	RCD	DIST	O/H	SHORT	REQ	RCD	DIST	O/H	SHORT
Water			31	17		375					225				
Ice			37	16		375					225				
MRE			8	9		125					75				
Tarps				29											
Sheeting															
Cots/Blankets				2											
50 pack				5		3				3					
Shelter Kits															
Aid Pack															
Total Truckloads			76	78		878	0	0	0	3	525	0	0	0	0

b. DOD controlled shelter status. None.

c. Number and Sites of MKT's. None.

d. Meals (by type) fed during operations. None by DOD.

e. Critical Equipment. N/A.

6. Communications Connectivity. No problem areas.

7. Personnel.

a. Total personnel to include civilians deployed to site.

Officer	Warrant Officer	Enlisted	Civilians	Total
19	1	10	1	31

b. Any factors affecting readiness of forces and status. None.

c. Personnel assigned and strength changes in last 24 hours in the disaster area by component.

Officer	Warrant Officer	Enlisted	Civilians	Total
1	0	0	0	1

d. List of deployed units. None.

e. Any outstanding personnel issue. None

8. Medical.

a. Hospitalization in last 24 hours. None.

b. Evacuation in last 24 hours. None.

c. Outpatient Treatment in last 24 hours. None.

d. Report in narrative form significant activities in preventative medicine, mental health, veterinary services, dental services, medical logistics and medical command and control. None

9. Budget. No Issues.

10. Legal. No Issues.

11. Significant Political – Military – Diplomatic Events. NSTR

12. Commander's Evaluation. Priorities remain Search and Rescue (SAR), COMMS, water-food-ice, healthcare, fuel, and security. I have been receiving inaccurate reports on the amount of food and water being delivered to the MS area. FEMA released some updated figures this morning that show only 100 ice, 100 water and 12 food arrived in the area yesterday. This is against a daily requirement of 450, 450 and 25. What is being delivered is being throughput and delivered directly to distribution centers, but the volume is just too low. FEMA, the Corps of Engineers and DLA are working frantically and initiating new contracts, but we are well below the requirement right now. I expect the Governor to announce a "significant" increase to the death toll today. The current number is 117 confirmed deaths. These two issues together may create a public perception that the increased deaths are due to the lack of supplies when they are in fact due to initial storm surge. NGOs are arriving in the area and coordinating directly with the state. They are currently feeding about 5% of the shelters and should increase their production considerably over the next few days. They are also establishing a base camp to hold 30K and feed 100K. There are currently about 13,000 in shelters and

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Enclosure 1



Disaster Relief Application of Forward Osmosis Technology

The Need:

Water is, ironically, one of the most dangerous substances in the world. Water-borne diseases are responsible for millions of deaths worldwide.

This is especially true in the immediate aftermath of natural disasters, such as earthquake or floods where community water systems are disrupted, and times of civil conflict and large refugee movements where the only sources of water might be contaminated surface sources.

While the ultimate goal in these situations is to provide large volumes of inexpensive water, such as wells or RO water production, the reality is that relief agency response time can be inadequate to prevent the outbreak of water-borne disease such as cholera and the attendant high mortality rates.

HTI's forward osmosis technology will provide disaster response agencies with a powerful new tool to fill the water supply gap between disaster and community or larger systems being brought on-line.

The Solution:

HTI products are already being deployed and used by the US military as an ideal personal filtration solution in extreme environments.

HTI's HydroPack is a single use, forward osmosis water filtration bag that generates two liters of EPA-level fluids from virtually any water source. Forward Osmosis is the passage of water through a membrane filter due to an osmotic gradient created by the presence of sugar on one side of the membrane. The resulting drink is similar to Oral Rehydration Solution or dilute sports drink, aiding in hydration and stemming diarrhea.

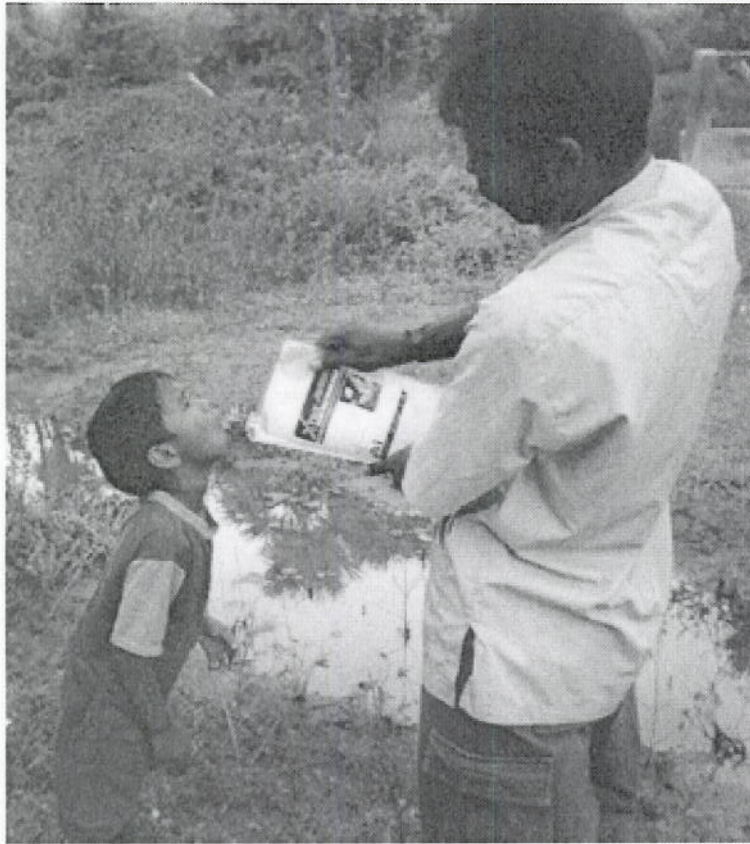
Because HTI's membrane is very tight – with pores approximately the diameter of lead atoms – all biological contaminants are filtered, as well as most heavy metals and other possible contaminants. HydroPack is ideal for high-stress disaster environments for other reasons as well:

- Each bag is very lightweight and packs flat, allowing for high-volume transport and distribution at disaster sites, by ground or air.
- The system is passive with no moving parts and will not clog – allowing for the widest possible use of available water sources.
- Extremely simple to use, very little training is required. In a Sudanese refugee camp, resident trainers were given 15 minutes instruction before distributing and training other residents in the camp. Post-use surveys show excellent comprehension and appropriate use by residents.
- The same Sudanese trial revealed very high cultural acceptance and desire to use the technology.
- Rugged enough for disaster environments.
- Can be stockpiled and pre-positioned before need arises.
- No chemical treatment required.



Demonstrating the proper use of the HydroPack filtration bag to local trainers at a Sudanese refugee camp.

Enclosure 2

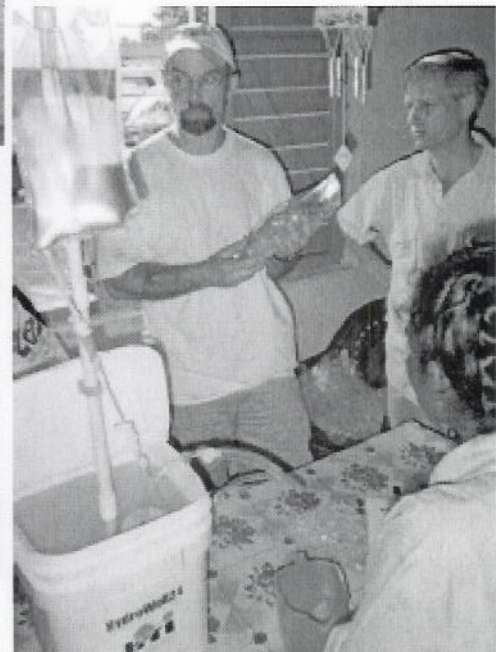


ANYWATER, ANYWHERE.

Water-borne disease caused by contaminated wells was widespread in tsunami-devastated Sri Lanka.

HTI partnered with Action International by donating its revolutionary forward osmosis filtration technology to the effort. This provided a simple and effective means to immediately deliver clean fluids to remote areas while Action International rehabilitated local water systems.

HTI technology offers a 26x logistics savings compared to transporting bottled or bulk water, saving money and time.



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Amy

From: CDR, 4TH BDE, 85TH DIV/AFKR-TIL-DA-CO

To: CDR, First U.S. Army/AFKA-OPO

Classification: UNCLASSIFIED

Operation: DCE Mississippi Hurricane Katrina Disaster Relief Support

MSGID: SITREP 04/PENN 041900(S)Sep05 (B6)

Period Covered: 031900Sep05 – 041900Sep05 As of: 041900Sep05 (Local)

1. General Situation. DCE MS continues to monitor DOD units involved in disaster relief operations.

2. Overall Situation. DCE Knox, currently located in Jackson, MS, supports federal response and recovery efforts in the aftermath of Hurricane Katrina. Priorities are Search and Rescue (SAR), COMMS, water-food-ice, healthcare, fuel, and security.

FEMA reports 153 confirmed fatalities, 66 reported injuries, 257 homes and 140 mobile homes destroyed, 2,574 homes and 236 mobile homes major damage, 8,279 homes and 3,771 mobile homes minor damage.

- **Transportation** – All shipping remains shut down along the Mississippi coastal areas, CSX suspended rail service until further notice, and all barge traffic along the Mississippi River has resumed normal operations.

ROAD INFORMATION

Bridges Closed:

Henderson Point
Bay St. Louis
Bay

Closed to Public:

Hwy 90
SR 604

Open to Public:

SR 24 Woodville to McComb
US 45 Meridian to Clarke County Line
SR 48 Centreville to Sandy Hook
US 98 Bude to Columbia
US 84 Natchez to Waynesboro
SR13 Smith County
SR 18 Puckett to Bay Springs

SR 35 Raleigh to Columbia
I-55 State Line to State Line
US 61 State Line to State Line
I-20 State Line to State Line
SR 28 Magee to Taylorsville
Natchez Trace (entire length)
I-59 Meridian to Hattiesburg
MDOT Districts 1, 2, 3, 5, and 7 - all roadways open to public

Emergency Vehicles Only:

US 49 Southbound: Hattiesburg to the Coast
US 49 Northbound: From Hattiesburg North
I-59 Hattiesburg South to Stateline
9:30AM Update I-59 open, including LA
SR 63 from US 98 to I-10
US 98 Mobile to Columbia
SR 607 from I-10 to Stennis
I-10 Stateline to Stateline
I-110 from I-10 to US 90
SR 57 from I-10 to US 90
SR 43 from I-10 to US 90
SR 605 from I-10 to US 90
SR 609 Southbound from I-10 to US 90

• **Open Airports:**

New Orleans International – accepting emergency relief/military, no power.
Mobile downtown airport – open
Keesler Air Force Base - open
Mobile Regional – open
Jackson International – open
Meridian Key Field – open
Gulfport/Biloxi Regional – accepting emergency relief traffic only.

• **Communications – (No Change)** Agreements continue to be negotiated with cellular companies to provide “communications on wheels” (COWs). NEXTEL has deployed two and BellSouth one to the coast. Ham Radio has contact with the following County EOCs via HF: Lauderdale, Harrison, Hancock, Tate, DeSoto & Choctaw counties and contact with the following counties via VHF: Lamar, Forrest, Marion, Jones, Jackson, Harrison, Hancock, and Wayne.

• **Public Works – (No Change)** MS Forestry Commission personnel were released by FEMA from debris removal estimates.

• **Fire Services –** Personnel are working in southern counties on debris estimation. Assisting local EOCs with road clearing and debris from affected areas as well as from MFC offices/centers to prepare for response to potential forest fires. Working to reinstate agency communications system in South Mississippi. Forestry Commission officials are advising the public to not burn debris from cleanup efforts

because it may lead to wildfires. Locating cots and blankets through Boise Inter-agency Fire Center. Working additional requests for fuel, phone lines, and a 50kw generator for Waynesboro Forestry Commission Nursery. MDEQ released burn guidance for vegetative and household debris for local governments, 9/3/05.

- **Mass Care** – Currently 111 ARC shelters opened, and additional 12 ARC shelters on standby to be opened as needed. The current total population registered is 16,436 as of 1100 hrs 9/04/05 with total capacity of opened shelters at 32,981. ARC has a number of shelters at capacity. Special Needs Shelters:

- First Baptist Church of Jackson, opened 9/4/05
- Lincoln County, 14 patients
- Biloxi High School, 200+ patients
- Pearl River Community College in Hattiesburg, 20 patients
- Jones County, 20 patients
- Ocean Springs, 20 patients
- Newton East Central Community College, 5 patients.

Counselors are available through the Dept. of Mental Health for evacuees who need someone to talk to. Salvation Army has mobilized across the State of Mississippi, with seven mobile units and four base camp kitchens on-site in Long Beach; several Baptist Brotherhood mobile kitchens are working with the ARC/54 in Pascagoula, Biloxi, Laurel, Hattiesburg, Lucedale, Long Beach, and Meridian; more mobile kitchens are scheduled to be placed in other locations. ARC/MSVOAD have deployed 10 portable kitchens to affected areas.

Social Security checks were mailed out 9/1 & 9/2/05; a 1-800 number has been provided or recipients can visit a local Social Security Office for any problems. Medicaid recipients from Louisiana, Alabama, and Florida who evacuated to Mississippi can access benefits through local MS providers. The MS provider would become accredited through an online search and application process.

- **Resources** – County need for fuel will be handled by FAX to MEMA and forwarded to FEMA for supplying. MS Forestry Commission identified personnel to assist with transportation of water, ice, and food from staging areas to necessary areas on the coast. Federal Logistics teams and State Log cell members are continuing to work to identify resources. Seven logistic staging areas identified in: Panola, Lee, Humphreys, Winston, Copiah, Jasper, & Stone Counties. State is continuing to supply ice and water to counties as requested. MFC established an agency command center at Pearl Training Center on 8/31/05. Timber damage and debris assessment flight began 09/01/05 with six teams of MFC, FEMA, and CORE personnel. Need location of established CRTS sites for fuel and supplies. Dispatchers have been informed of numerous solid waste fires.

- **MDH** - All County Clinics are open except those in the affected counties. Over 130 Public Health Environmentalists and almost 400 public health nurses are still on alert. Over 100 out-of-state ambulances have been staged around the state and are

being deployed as needed. Special Needs Shelters still have issues with fuel for generators and water. Several hospitals reported damage during landfall of Katrina.

The Strategic National Stockpiles push packages have been sent forward. Numerous health supplies have been sent to affected areas. MDH EMS Mobile Command Center is on location in Bay St. Louis, MS and is credentialing ambulances responding in support of coastal operations. This unit will be on location to support any mass fatalities.

There are currently 62+ nurses, approximately 1400 family caregivers, and 1200+ patients in the Special Needs Shelters. As of 2330, 9/2/05, 85 MS Physicians and 224 Out-of-state physicians are being utilized by MDH. The following hospitals are open: Gulfport Memorial, Garden Park Community, Ocean Springs – ER open, able to accept patients, FL-4 DMAT in place, and Singing River.

Contact number for volunteer nurses (601) 944-4838. The contact number to request nurses is (601) 953-5408 and to request medical supplies is (601) 576-8081 or (601) 576-7704.

- **Search & Rescue** – Currently a total of 34 teams made up of local resources (SMAC) have been identified for use during the response phase. Will focus on clearing debris from roads north of US Hwy 90.

SAR Teams have been deployed to the following:

Entity	Units	Total #	Duty Station
Senatobia FD	2	8	Gulfport Fire
Bolivar County Fire	4	13	Hancock EMA
Chickasaw Co/Fire	1	4	Hancock EMA
Desoto Co. Fire/EMA	1	5	Gulfport Fire
Tunica County/Fire	1	4	Pearl River EMA
City of luka/Fire	1	4	Hancock EMA
Warren County/Fire	1	4	Pearl River EMA
Batesville FD	1	7	Gulfport Fire
Tate County	1	4	Gulfport Fire
Sunflower Co. Fire/EMA	1	4	Hancock EMA
South West Ohio K-9	1	4&3 dogs	Gulfport Fire
Oxford Heavy Equip.	3	13	Gulfport Fire
City of Madison	4	18	Gulfport Fire
Glen FD	2	2	Gulfport Fire
GA Rescue Group	2	6	Gulfport Fire
Camilla, GA FD	1	4	Gulfport Fire
Batesville FD	1	3	Gulfport Fire
Grenada FD	1	6	Gulfport Fire
Starkville FD	1	8	Gulfport Fire
Webster Co. FD	2	9	Gulfport Fire

Corinth FD	1	4	Gulfport Fire
Marietta FD	1	4	Gulfport Fire
TOTALS	34	138	

- **Hazardous Materials** – Coastal industries are shutdown. Dupont has emergency response teams on-site in Harrison County. MDEQ emergency response is on-site. EPA & MDEQ are jointly responding to Hazmat incidents. Solid waste contacts have arrived and are working with local government. MDEQ has available printed guidelines for burning vegetative and clean wood debris to local government agencies.
- **Food & Water** – Salvation Army continues to identify resources / food supplies to ensure mobilization of feeding units. MDAC will work with VOADs and others to ensure that resources needed are identified and available for staging. MDE staff person is on site in the log cell to work school resource lunch issues. Water and Ice distribution continues in the affected counties.
- **Energy** – MDA representatives remain in contact with utility companies. In addition, electric companies from neighboring and regional states were contacted and have been providing crews to assist in restoration efforts. Special requests for gasoline needs on exit routes received and processed. Fuelman stations stand ready to assist. The number of customers that remain without power are as follows: 76,708 Entergy (Entergy's stations are up); 9,285 TVA; 264,208 EPA; 132,824 MS Power (still working on stations). Restoration to the Colonial, Plantation, Collins, and Meridian pipelines was completed and are operational as of 9/2/05..

Mississippi Power Companies	Without Power	% Change from last report
Mississippi Electric Association Coops	338,363	-20%
Mississippi Power	167,00	-14%
Energy-Mississippi	190,759	-12%
Pearl River Valley Association	40,600	-2%
Singing River	64,870	0%
Coast Electric	68,701	0%

- **Military** – MSNG personnel have 6,831 troops on the ground from AR, CO, DE, FL, GA, MD, MO, TN, & PA to support mission statement. A total of approximately 10,000 troops are planned for deployment over the next few days. Military missions include security, law enforcement, medical evacuation search and rescue, infrastructure, and firefighting. There are currently 4,042 troops deployed to MS from other states.
- **Public Information – (No Change)** MEMA Public Information continues to field media and public calls for information (directions, general info, rumor control.) Interviews are conducted as requested from media. Calling as many National, Alabama, Florida & Tennessee media as possible. They are urging citizens not to return home but to call MDOT's Road Closure Number or American Red Cross 1-866-GET-INFO. Communicating Ice & water distribution locations and volunteer

information. Deployed eight-person PIO team to forward EOC. Established an email address for those who cannot locate missing loved ones and friends @ missingpersons@seoc.ms.gov. A second website www.gistools.org/mema.html will allow individuals to post missing persons information through an electronic application and interactive database.

- **Law Enforcement** – MHP, MBN, ABC, MDOT-LAW, Sheriff's Assoc., and MDWF&P, Gaming Commission, US Marshals, Arkansas law enforcement agencies and local law enforcement volunteers are being utilized to augment law enforcement agencies in the Coastal counties. All Troopers Statewide began 12-hour shifts starting 8/29/05. After landfall secured ingress from any hazardous areas and control traffic flow. Twenty shower units for officers to be distributed in Jackson, Harrison and Hancock counties.

As of 9/1/05, prisoners held in George, Jackson, Harrison, and Pascagoula facilities were transferred to the South Mississippi Correctional Facility in Green County. Also, prisoners in the Pike and Wilkinson Correctional facility were transferred to the Central Mississippi Correctional Facility in Pearl, MS.

Conducting security operations in South Mississippi in conjunction with MHP at licensed nursing homes reporting problems of looting and strong-armed robbery. Additionally, as of today troopers began assisting fuel transport security.

- **Animals** – Over 200 Animal/pets are being sheltered at the fairgrounds in Jackson. Three Regional VMAT teams are assisting with Veterinary services in south MS. They are stationed out of Camp Shelby and Keesler Air Force Base. On 9/2/05, heavy equipment requests have been made to USDA for use in livestock/poultry disposal. On 9/3/05, Agricultural and veterinary assessments were performed in 6 counties. Reports of ongoing poultry and livestock deaths with inability to properly dispose of the animals due to a lack of equipment and fuel to perform onsite burial. Requested additional staffing needs through USDA to assist MBAH. Addressing poultry problems in the south MS areas affected by Katrina.

3. Operations.

a. The DCE has increased to 35 and has the capability to complete all DCE operations. Anticipate FEMA support to Mississippi to transition to the FCO/JFO 041930(S)Sep05. Locations in Jackson and Hattiesburg are being considered as possible jump sites to move the DCO/DCE forward. Movement is expected NET 061200Sep05.

b. Troop list.

c. No units currently inbound for support operations.

d. FCO & SCO priorities:

(1). Ensure the safety and security of all response personnel

- (2). Provide water, ice, and food for emergency responders and critical facilities
- (3). Facilitate fuel availability for the public sector and ensure adequate fuel for emergency responders and critical facilities
- (4). Increase deliveries of life-saving commodities to shelters
- (5). Restore emergency communications in all affected areas
- (6). Support public safety and security in all affected areas
- (7). Conduct air and land-based search and rescue
- (8). Provide medical, veterinary, and mortuary support to local governments
- (9). Conduct generator installations and support to critical facilities
- (10). Implement an effective External Affairs program
- (11). Conduct hazard assessment and transition planning to establish Joint Field Office.

e. Major capability. N/A

f. FEMA has established Operational Staging Areas (OSA) at Meridian NAS (activated 28 AUG 05), Camp Shelby (activated 30 AUG 05), and Stennis NASA (activated 31 AUG 05). Per USNORTHCOM MOD 11 to EXORD Katrina, Keesler AFB activated 04 SEP 05.

g. Any Outstanding Operation Issues. None

4. Intelligence-Reconnaissance.

a. State EMA continues to move supplies and services forward to outlying areas.

b. There are no current weather predictions that may affect disaster relief operations at this time.

5. Logistics.

a. Six (6) C-5 Aircraft carrying 40,000 cases of MREs began flying from Norfolk, VA to Gulfport, MS. First aircraft arrived at 1845.

Commodity Tracking:

	MERIDIAN NAS (MS) (updated 090305 2330)					CAMP SHELBY (MS) (updated 090305 2330)					STENNIS SPACE CENTER (MS) (updated 090305 2330)				
	REQ	RCD	DIST	O/H	SHORT	REQ	RCD	DIST	O/H	SHORT	REQ	RCD	DIST	O/H	SHORT
Water		30	45	1					0					1	
Ice		33	66	2			2	2	0					2	
MRE		16	13	3					4					4	
Tarps		6	3	29										29	
Sheeting		6		6										6	
Cots/Blankets				1			1		1					1	
50 pack				3					4						
Shelter Kits									1						
Aid Pack															
Total Truckloads		91	127	45		0	3	2	10	0	0	0	0	43	0

- b. DOD controlled shelter status. None.
- c. Number and Sites of MKT's. None.
- d. Meals (by type) fed during operations. None by DOD.
- e. Critical Equipment. N/A.

6. Communications Connectivity. No problem areas.

7. Personnel.

- a. Total personnel to include civilians deployed to site.

Officer	Warrant Officer	Enlisted	Civilians	Total
23	2	10	1	36

- b. Any factors affecting readiness of forces and status. None.

- c. Personnel assigned and strength changes in last 24 hours in the disaster area by component.

Officer	Warrant Officer	Enlisted	Civilians	Total
2	1	0	0	3

- d. List of deployed units. None.
- e. Any outstanding personnel issue. None

8. Medical.

- a. Hospitalization in last 24 hours. None.
- b. Evacuation in last 24 hours. None.
- c. Outpatient Treatment in last 24 hours. None.
- d. Report in narrative form significant activities in preventative medicine, mental health, veterinary services, dental services, medical logistics and medical command and control. None

9. Budget. No Issues.

10. Legal. No Issues.

11. Significant Political – Military – Diplomatic Events. NSTR

12. Commander's Evaluation. The state and FEMA are focusing more on the strategic level. They've established several ESF specific task forces and are making significant progress on longer range projects. We're still deeply in the emergency response phase, but we are finally turning the corner and doing less knee-jerk reacting. We're well over the hump on food. The 40K cases of MREs are arriving and will all be on the ground tonight. I've asked everyone to start brain-storming options for hot meal support at distribution sites and base camps. The NGOs seem to have a handle on some of the shelters, but there will be a point in the near future where the need may exceed the ability of contractors to support the demand. The alarm of a widespread virus was squelched. There are only a handful of sporadic cases. Non-critical medical patients continue to be transferred on a regular basis. We're over 1,500 patients to date. Fuel is a low green. We offered a MAJ to head the fuel TF and it really paid off. Some minor distro problems, but they will all be solved Tuesday when a contract for 10 local haul trucks goes into effect. This will allow us to surge with 100K gallons daily for 10 days. Electricity coming on line, scattered throughout the battle-space. Some power even restored in Gulfport area. Keesler AFB at 50% power. No reliable estimates on the number of customers FEMA's ERT-A accepted battle-handover from ROC Region IV at 1930 local. Still at 153 confirmed deaths.